MALLA REDDY COLLEGE OF ENGINEERING & TECHNOLOGY

SELF ASSESSMENT REPORT(TIER - I) FOR Computer Science and Engineering

Part A : Institutional Information

1 Name and Address of the Institution

MALLA REDDY COLLEGE OF ENGINEERING & TECHNOLOGY,
MAISAMMAGUDA, DHULAPALLY (VIA) HAKIMPET

2 Name and Address of Affiliating University

NIL

3 Year of establishment of the Institution:

2004

4 Type of the Institution:

○ Institute of National Infortance	● Autonomous
○ University	○ Any other(please specify)
○ Deemed University	

5 Ownership Status:

○ Central Government	☐ Trust
○ State Government	☑ Society
○ Government Aided	☐ Section 25 Company
○ Self financing	☐ Any Other(Please Specify)

6 Other Academic Institutions of the Trust/Society/Company etc., if any

Name of Institutions	Year of Establishment	Programs of Study	Location

7 Details of all the programs being offered by the Institution under consideration:

<table>
<tr><th>Name of Program</th><th>Program Applied level</th><th>Start of year</th><th>Year of AICTE approval</th><th>Initial Intake</th><th>Intake Increase</th><th>Current Intake</th><th>Accreditation status</th><th>From</th><th>To</th><th>Program for consideration</th><th>Program for Duration</th></tr>
<tr><td>COMPUTER SCIENCE AND ENGINEERING</td><td>PG</td><td>2010</td><td>2010</td><td>18</td><td>Yes</td><td>24</td><td>Granted accreditation for 3 years for the period (specify period)</td><td>2021</td><td>2024</td><td>No</td><td>2</td></tr>
<tr><td colspan="12">
<table>
<tr><th colspan="2">Sanctioned Intake for Last Five Years for the COMPUTER SCIENCE AND ENGINEERING</th></tr>
<tr><th>Academic Year</th><th>Sanctioned Intake</th></tr>
<tr><td>2024-25</td><td>24</td></tr>
<tr><td>2023-24</td><td>30</td></tr>
<tr><td>2022-23</td><td>30</td></tr>
<tr><td>2021-22</td><td>30</td></tr>
<tr><td>2020-21</td><td>30</td></tr>
<tr><td>2019-20</td><td>30</td></tr>
</table>
</td></tr>
<tr><td>COMPUTER SCIENCE AND ENGINEERING</td><td>UG</td><td>2004</td><td>2004</td><td>60</td><td>Yes</td><td>420</td><td>Granted accreditation for 3 years for the period (specify period)</td><td>2022</td><td>2025</td><td>Yes</td><td>4</td></tr>
<tr><td colspan="12">
<table>
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<tr><th>Academic Year</th><th>Sanctioned Intake</th></tr>
<tr><td>2024-25</td><td>420</td></tr>
<tr><td>2023-24</td><td>420</td></tr>
<tr><td>2022-23</td><td>240</td></tr>
<tr><td>2021-22</td><td>240</td></tr>
<tr><td>2020-21</td><td>240</td></tr>
<tr><td>2019-20</td><td>240</td></tr>
</table>
</td></tr>
</table>

8 Programs to be considered for Accreditation vide this application:

S No	Level	Discipline	Program
1	Under Graduate	Engineering & Technology	Mechanical Engineering
2	Under Graduate	Engineering & Technology	Electrical and Electronics Engineering
3	Under Graduate	Engineering & Technology	Computer Science and Engineering
4	Under Graduate	Engineering & Technology	ELECTRONICS AND COMMUNICATION ENGINEERING

9 Total number of employees

A. Regular* Employees (Faculty and Staff):

Items	**2024-25**		**2023-24**		**2022-23**	
	MIN	**MAX**	**MIN**	**MAX**	**MIN**	**MAX**
Faculty in Engineering (Male)	187	188	180	184	194	195
Faculty in Engineering (Female)	149	151	129	132	151	152
Faculty in Maths, Science & Humanities teaching in engineering program (Male)	28	29	30	32	26	27
Faculty in Maths, Science & Humanities teaching in engineering program (Female)	29	30	27	29	27	28
Non-teaching staff (Male)	68	70	65	69	67	73
Non-teaching staff (Female)	35	36	35	42	38	42

B. Contractual* Employees (Faculty and Staff):

Items	**2024-25**		**2023-24**		**2022-23**	
	MIN	**MAX**	**MIN**	**MAX**	**MIN**	**MAX**
Faculty in Engineering (Male)	0	0	0	0	0	0
Faculty in Engineering (Female)	0	0	0	0	0	0
Faculty in Maths, Science & Humanities teaching in engineering Programs (Male)	0	0	0	0	0	0
Faculty in Maths, Science & Humanities teaching in engineering Programs (Female)	0	0	0	0	0	0
Non-teaching staff (Male)	64	66	62	65	71	79
Non-teaching staff (Female)	34	36	30	34	22	28

10 Total number of Engineering students:

Engineering and Technology- UG	☑ Shift1	☐ Shift2
Engineering and Technology- PG	☑ Shift1	☐ Shift2
Engineering and Technology- Polytechnic	☐ Shift1	☐ Shift2
MBA	☑ Shift1	☐ Shift2
MCA	☐ Shift1	☐ Shift2

Engineering and Technology- UG Shift-1

Course Name	2024-25	2023-24	2022-23
Total no. of Boys	3535	3338	3107
Total no. of Girls	1688	1556	1356
Total	**5223**	**4894**	**4463**

Engineering and Technology- PG Shift-1

Course Name	2024-25	2023-24	2022-23
Total no. of Boys	88	72	34
Total no. of Girls	59	42	32
Total	**147**	**114**	**66**

Engineering and Technology- MBA Shift-1

Course Name	2024-25	2023-24	2022-23
Total no. of Boys	272	281	270
Total no. of Girls	240	230	229
Total	**512**	**511**	**499**

11 Vision of the Institution:

To establish a pedestal for the integral innovation, team spirit, originality and competence in the students, expose them to face the global challenges and become pioneers of Indian vision of modern society.

12 Mission of the Institution:

- **To become a model institution in the fields of Engineering, Technology and Management.**
- **To impart holistic education to the students to render them as industry ready engineers.**
- **To ensure synchronization of institute ideologies with challenging demands of International Pioneering Organizations.**

13 Contact Information of the Head of the Institution and NBA coordinator, if designated:

Head of the Institution	
Name	Dr S Srinivasa Rao
Designation	Principal
Mobile No.	9346648391
Email ID	mrcet2004@gmail.com

☑ **NBA Coordinator, If Designated**

Name	Dr S Shanthi
Designation	Head of the Department
Mobile No.	7382630002
Email ID	shanu_shivak@yahoo.com

PART B: Criteria Summary

Critera No.	Criteria	Total Marks	Institute Marks
1	VISION, MISSION AND PROGRAM EDUCATIONAL OBJECTIVES	50	50.00
2	PROGRAM CURRICULUM AND TEACHING - LEARNING PROCESSES	100	100.00
3	COURSE OUTCOMES AND PROGRAM OUTCOMES	175	175.00
4	STUDENTS’ PERFORMANCE	100	90.92
5	FACULTY INFORMATION AND CONTRIBUTIONS	200	199.27
6	FACILITIES AND TECHNICAL SUPPORT	80	80.00
7	CONTINUOUS IMPROVEMENT	75	75.00
8	FIRST YEAR ACADEMICS	50	47.67
9	STUDENT SUPPORT SYSTEMS	50	50.00
10	GOVERNANCE, INSTITUTIONAL SUPPORT AND FINANCIAL RESOURCES	120	120.00
	Total	**1000**	**988**

Part B : Criteria Summary

1 VISION, MISSION AND PROGRAM EDUCATIONAL OBJECTIVES (50)

Total Marks 50.00

1.1 State the Vision and Mission of the Department and Institute (5)

Total Marks 5.00

Institute Marks : 5.00

Vision of the institute	**To establish a pedestal for the integral innovation, team spirit, originality and competence in the students, expose them to face the global challenges and become pioneers of Indian vision of modern society.**
Mission of the institute	• **To become a model institution in the fields of Engineering, Technology and Management.** • **To impart holistic education to the students to render them as industry ready engineers.** • **To ensure synchronization of institute ideologies with challenging demands of International Pioneering Organizations.**
Vision of the Department	To acknowledge quality education and instill high patterns of discipline making the students technologically superior and ethically strong which involves the improvement in the quality of life in human race.
Mission of the Department	See table below

Mission of the Department:

Mission No.	**Mission Statements**
M1	To achieve and impart holistic technical education using the best of infrastructure, outstanding technical and teaching expertise to establish the students into competent and confident engineers.
M2	Evolving the center of excellence through creative and innovative teaching learning practices for promoting academic achievement to produce internationally accepted competitive and world class professionals.

1.2 State the Program Educational Objectives (PEOs) (5)

Total Marks 5.00

Institute Marks : 5.00

PEO No.	**Program Educational Objectives Statements**
PEO1	ANALYTICAL SKILLS : To facilitate the graduates with the ability to visualize, gather information, articulate, analyze, solve complex problems, and make decisions. These are essential to address the challenges of complex and computation intensive problems increasing their productivity.
PEO2	TECHNICAL SKILLS: To facilitate the graduates with the technical skills that prepare them for immediate employment and pursue certification providing a deeper understanding of the technology in advanced areas of computer science and related fields, thus encouraging to pursue higher education and research based on their interest.
PEO3	SOFT SKILLS: To facilitate the graduates with the soft skills that include fulfilling the mission, setting goals, showing self-confidence by communicating effectively, having a positive attitude, get involved in team-work, being a leader, managing their career and their life.
PEO4	PROFESSIONAL ETHICS: To facilitate the graduates with the knowledge of professional and ethical responsibilities by paying attention to grooming, being conservative with style, following dress codes, safety codes, and adapting to technological advancements.

1.3 Indicate where the Vision, Mission and PEOs are published and disseminated among stakeholders (15)

Total Marks 15.00

Institute Marks : 15.00

The Vision and Mission provides the direction to the CSE department activities and its progress. It communicates the purpose of the organization to its stakeholders and also to inform them about the development.

PUBLICATION OF MISSION AND VISION

- Mission and vision statements are displayed in the form of display boards in all the class rooms, laboratories, staff rooms, corridors and offices of the department including department boards.
- Mission and vision statements are prominently published in the department home page of the college website which is frequented by all stakeholders of the programme.
- They are also published in the department digital magazine and the college brochure which is released once every year.
- Mission and vision statements are printed in the student handbooks and lab manuals which are published in hard/soft copy every semester and are given to students.

A few evidences of the dissemination of the vision, mission and PEO statements are presented in the figures below.

1.3.a Vision and Mission statements displayed near Staff Room

1.3.b Vision and Mission statements displayed in Department

Dissemination of Vision, Mission and PEOs among the stakeholders is carried out as given in the Table.1.3.1

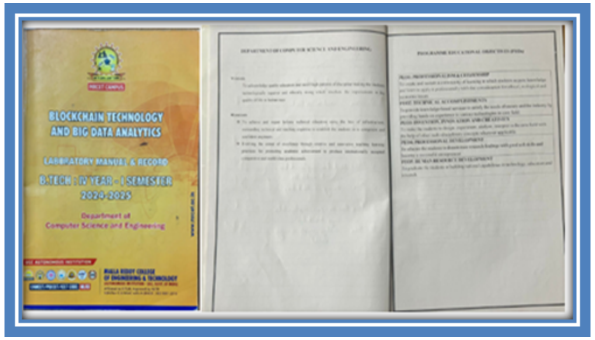
Stakeholder	Category of the stakeholder	Mode of Dissemination of Vision, Mission and PEOs
Students	Internal	Orientation Program HoD's Cabin Department Corridors Faculty Cabins Laboratories Laboratory Manuals Digital Notes Department Magazines Institute Website
Faculty	Internal	Induction Program Course File HoD's Cabin Department Corridors Faculty Cabins Laboratories Laboratory Manuals Digital Notes Websites Department Magazines Institute Website
Management Representative	Internal	Institute Website HoD's cabin Faculty cabins Classrooms Laboratories

Parents	External	Orientation Program, Parent Teacher Meetings Institute Website
Alumni	External	Alumni Meet Institute Website Survey, etc.
BoS experts	External	BOS Meetings Institute Website
Industry experts	External	BOS Meetings Institute Website
Funding Agencies	External	Institute Website Brochure

A few evidences of the dissemination of the PEO, PSO and PO statements are presented in the figures below 1.3.c, 1.3.d,1.3.e

1.3.c PEOs, PSOs and POs displayed in the Department Corridors

1.3.d PEOs, PSOs and POs displayed in staff room



BLOCKCHAIN TECHNOLOGY
AND BIG DATA ANALYTICS

LABORATORY MANUAL & RECORD
B.TECH : IV YEAR - I SEMESTER
2024-2025

Department of
Computer Science and Engineering

Fig 1.3 e Vision ,Mission,PEOs,PSOs and POs displayed in the Department Lab Manual

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1.4 State the process for defining the Vision and Mission of the Department, and PEOs of the program (15) Total Marks 15.00

Institute Marks : 15.00

PROCESS FOR DEFINING THE VISION AND MISSION OF THE DEPARTMENT

Vision and Mission of the department align with the Vision and Mission of the Institute.

- It is based on the processes and practices followed in the department towards the achievement of Institute's Vision and Mission.
- The mission and vision statements are also in tune with the current and future technological requirements of the society in terms of professionals required for the development of the nation, as the CMR Educational Society's and JNTUH's mission and vision are derived from the state/central government plans, developments, and the needs of the state/country.
- The entire process of defining the department's mission and vision is given below which is also illustrated in figure 1.4.1

Malla Reddy College of Engineering & Technology's vision and mission which is defined from the above and as well as the following

1. Relevant information is gathered for framing vision and mission of the department, such as

- State/central government plans
- Latest technological developments
- Needs of the state and country
- Malla Reddy College of Engineering & Technology's vision and mission which is defined from the above and as well as the following
    - i.CMR Educational Society's vision and mission
    - ii.JNTUH's(affiliating university) vision and mission

2 .Brainstorming sessions are conducted for deriving the mission and vision of the department from that of the institution with the stakeholders that include members from Governing Management, Faculty, Parents and Future Employers.

3 .From the resolutions of the brain storming sessions the vision statement of the department is articulated and approved by all the involved stakeholders.

4.From the vision statement, the mission statements are articulated which provide the means to achieve the vision of the department that is articulated in the previous step.

The mission and vision of the department are first defined in 2004 when the institute was established and during which B.Tech programme was started.

As shown below, the process that involves in conducting several brainstorming sessions with all the stakeholders and also in defining both the institutions and the department's mission and vision. To be more precise,the vision statement is framed first and the mission to achieve the vision is then framed. From the mission of the department, the Programme Educational Objectives (PEOs) are derived.

Programme outcomes (POs) are in turn derived from PEOs, and course outcomes (COs) are derived from POs. The design hierarchy of Vision, Mission, PEO, PO, CO and Programme Curriculum is shown in figure 1.4.1 and 1.4.2

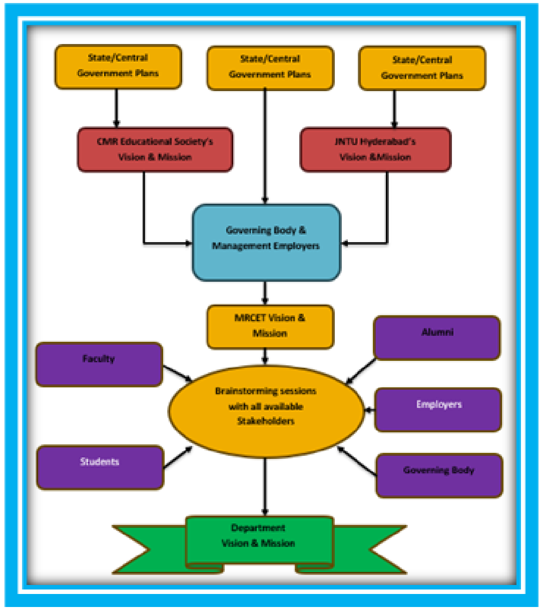

State/Central Government Plans
State/Central Government Plans
State/Central Government Plans
CMR Educational Society's Vision & Mission
JNTU Hyderabad's Vision &Mission
Governing Body & Management Employers
MRCET Vision & Mission
Faculty
Alumni
Brainstorming sessions with all available Stakeholders
Employers
Students
Governing Body
Department Vision & Mission

Figure 1.4.1 Process for defining Vision and Mission of the Department

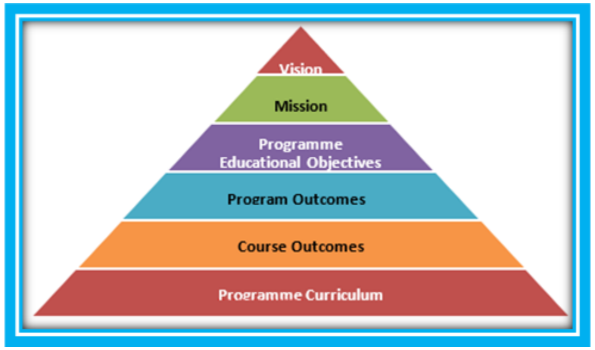


Figure 1.4.2 Design hierarchy of Vision, Mission, PEOs, Pos and COs

Before describing the process that periodically documents and demonstrates the PEOs, the needs of various stakeholders are to be identified and to be considered for defining the PEOs offered by the department.

Process for defining the PEOs of the Department

To establish the PEOs, The department has analyzed the survey reports collected from different stakeholders, their requirements and demands. Feedback is taken in the form of survey reports presented by the selected stakeholders of institution and their requirements and demands.

Table1.4.1 Stakeholders Demands

Stakeholder	Requirements and demands Of Stakeholders	Programme Educational Objectives			
		PEO1	**PEO2**	**PEO3**	**PEO4**
Students	Quality Education Academic Guidance Appropriate Academic environments	S	S	S	S
Parents	Quality Education and Opportunities Of getting Placed in MNC for their Children	S	S	S	S
Faculty and Staff	Achievements, academic support, teaching and research skills improvement opportunities and financial and non-financial benefits, Recognition	S	S	S	S
Alumni	Employability skills, lifelong learning experiences and achievements	S	S	S	S
Employers (Government, Industry, Universities)	Quality education, employable and responsible graduate and accountability. Technically strong and market oriented graduates with Leadership skills	S	S	S	S
Governing Body	Smooth functioning, financial Management and good governance	S	S	S	S
Professional Bodies	Keep students abreast with latest Technological development	S	S	S	S
Sponsors and Donors	Overall development of students	S	S	S	S

Code	Meaning
S	Strong
M	Medium
W	Weak
N	No

- The PEOs for the B.Tech programme describe the overall thrust of the department as they guide the operation and continuous improvement of its undergraduate engineering are developed by the senior faculty in consultation with other stakeholders of the programme, and by taking into consideration the mission statements of JNTUH, Malla Reddy College of Engineering & Technology and the Department.
- To achieve the mission, the department has established and formulated PEOs which are statements describing the expected accomplishments of graduates during the first few graduation. PEOs evolve as programme stakeholders periodically review them and fine tune them.
- The department also recognizes that, with time, especially in a rapidly changing socio-economic environment and indeed of the world order, there can be a shift in the aspirations of looks towards strategic research institutions, government agencies and the department's assessment and evaluation system, through its vast alumni network to provide and adapt of achieving them to meet changing environmental aspirations.

The process of establishment of PEOs is as follows:

1. The information required for establishing PEOs is collected that includes the mission of the department.
2. Brainstorming sessions are conducted with the stakeholders committee and the needs of the stakeholders are identified.
3. Based on the needs identified and the mission of the department, the PEOs are defined, documented, published, and disseminated to all the stakeholders by the Department (DAC).
4. After a period of time (four years after the students graduate) the PEOs are assessed to know whether they have met the needs of the stakeholders by means of various direct methods/metrics that are given below:
    a. Employer survey
    b. Alumni Survey
    c. Number of students who are successfully placed in industry
    d. Number of students who have pursued higher education and research
    e. Number of students who have setup an enterprise
5. If the results of the above assessments demonstrate that the defined PEOs are in tune with the needs of the stakeholders, the PEOs are considered to have been established.
6. If the results of the assessments demonstrate that the derived PEOs are not in tune with the needs of the stakeholders, then the PEOs are redefined by conducting brainstorming with all the stakeholders.
7. The process is repeated from step3.

The process that is explained above is illustrated in the figure 1.4.4.

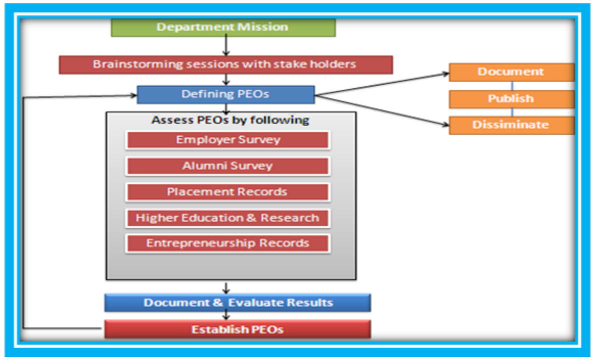


Figure 1.4.4: Process of defining PEO's

Documentation of the entire process of establishing is done by maintaining several files in the department. For each of the surveys explained above, a separate file is maintained year-wise.

The data in each of the files is collected, documented, and maintained by the department in both soft and hard copy.

Frequency with which Surveys, Updating Records and Meeting are conducted is given below in the table 1.4.2

Table 1.4.2 Frequency of Data Collection of Surveys, Records and Meetings

Surveys, Updating Records and Meetings	**Data Collection**
Placement Records	Once a year
Higher Education Records	Once a year
Entrepreneurship	Once a year
Alumni Survey	Once a year
Employer Survey	Once a year
Meeting with Stakeholders	Once a year

1.5 Establish consistency of PEOs with Mission of the Department (10) Total Marks 10.00

Institute Marks : 10.00

ESTABLISH CONSISTENCY OF PEOS WITH MISSION OF THE DEPARTMENT

The Program Educational Objectives (PEOs) are crafted to align with the Mission of the Department, ensuring that they contribute effectively to societal development through innovative and quality education and research.

The Mapping of PEOs with the Mission of the Department is shown in Table 1.5.a.The Justification for mapping of PEOs with Mission Statements is shown in Table 1.5.b.

Table 1.5.1. Mapping of PEOs with Mission of the Department

PEO Statements	**MISSION STATEMENT OF THE DEPARTMENT**					
	Holistic Technical Education	**Infrastructure**	**Competent Engineers**	**Center of Excellence**	**Innovative Teaching**	**Academic Achievements**
	(M1)	**(M2)**	**(M3)**	**(M4)**	**(M5)**	**(M6)**
PEO1: To facilitate the graduates with the ability to visualize, gather information, articulate, analyze, solve complex problems, and make decisions. These are essential to address the challenges of complex and computation intensive problems increasing their productivity.	**3**	**3**	**3**	**3**	**3**	**3**
PEO2: To facilitate the graduates with the technical skills that prepare them for immediate employment and pursue certification providing a deeper understanding of the technology in advanced areas of computer science and related fields, thus encouraging to pursue higher education and research based on their interest.	**3**	**3**	**3**	**3**	**3**	**3**

PEO3: To facilitate the graduates with the soft skills that include fulfilling the mission, setting goals, showing self-confidence by communicating effectively, having a positive attitude, get involved in team-work, being a leader, managing their career and their life.	**3**	**3**	**3**	**3**	**3**	**3**
PEO4: To facilitate the graduates with the knowledge of professional and ethical responsibilities by paying attention to grooming, being conservative with style, following dress codes, safety codes, and adapting to technological advancements.	**3**	**3**	**3**	**3**	**3**	**2**

Code	**Meaning**	**Score**
H	**Substantial (High)**	**3**
M	**Moderate (Medium)**	**2**
W	**Slight (Low)**	**1**
N	**“- “(No)**	**-**

Table 1.5.2 The justification of PEOs with the Mission of the Department

PEO Statements	M1	M2
PEO1	PEO1 concurs M1 by motivating the graduates to possess the problem solving skill and analyze and investigate complex problem. By acquiring these proficiencies, the students will be able to succeed in professional career as an efficient software engineer.	PEO1 supports M2 by inspiring the graduates to acquire the problem-solving skills so that they can build a successful career and ensuring graduates are well-prepared for success in the global workforce.
PEO2	PEO2 entices M1 by providing strong foundation in technical skills by providing in-depth knowledge, so that they can build a successful career in the domain of software development and research.	PEO2 endorses M2 by stimulating the graduates to develop a deeper understanding of the technology for their professional and personal growth and also pursue higher studies and research.
PEO3	PEO3 cognizes M1 by inspiring the graduates to become acquire the soft skills and managerial skills. By acquiring these proficiencies, the students will be able to succeed in professional career.	PEO3 reasonably supports M2 by inspiring the graduates to acquire the professional skills so that they can build a successful career in the domain of software development efforts and produce globally competitive professionals..
PEO4	PEO4 concurs M1 by inspiring the graduates to acquire professional skills and ethical Skills, so that they have proper ethical values towards society, environment and profession.	PEO4 moderately supports M2 inspiring the graduates to become a responsible skilled professional with high intellectual skills and ethics to meet societal needs in their professional career and personal growth.

PEO Statements	M1	M2
ANALYTICAL SKILLS : To facilitate the graduates with the ability to visualize, gather information, articulate, analyze, solve complex problems, and make decisions. These are essential to address the challenges of complex and computation intensive problems increasing their productivity.	3	3
TECHNICAL SKILLS: To facilitate the graduates with the technical skills that prepare them for immediate employment and pursue certification providing a deeper understanding of the technology in advanced areas of computer science and related fields, thus encouraging to pursue higher education and research based on their interest.	3	3
SOFT SKILLS: To facilitate the graduates with the soft skills that include fulfilling the mission, setting goals, showing self-confidence by communicating effectively, having a positive attitude, get involved in team-work, being a leader, managing their career and their life.	3	3
PROFESSIONAL ETHICS: To facilitate the graduates with the knowledge of professional and ethical responsibilities by paying attention to grooming, being conservative with style, following dress codes, safety codes, and adapting to technological advancements.	3	2

2 PROGRAM CURRICULUM AND TEACHING - LEARNING PROCESSES (100)

Total Marks 100.00

2.1 Program Curriculum (30)

Total Marks 30.00

2.1.1 State the process for designing the program curriculum (10)

Institute Marks : 10.00

1. PROGRAM CURRICULUM

- The curriculum is structured in accordance with the National Education Policy 2020, Jawaharlal Nehru Technological University Hyderabad (JNTUH), University Grants Commission (UGC), All India Council for Technical Education (AICTE) recommendations and previous curriculum's PEO's, PO's, PSO's. Inputs are being taken from various academic experts, industry experts, and alumni.
- The Basic Sciences, Engineering Sciences, Humanities and Social Sciences, Program Specific Core, Program Electives, and Open Electives are among the components discussed in the B. Tech. in Computer Science & Engineering curriculum, which is based on the Program Outcomes.
- To match with the current requirement of the industry the curriculum is designed with emerging technology subjects, communication and soft skills.Department provides various experiments in laboratory courses, internships, mini and major projects, Campus Recruitment training and placement activities, and group assignments are all taken into consideration to nurture the skills and attitude of the students.

Steps involved in designing the program curriculum is shown in figure 2.1.1.1 given below

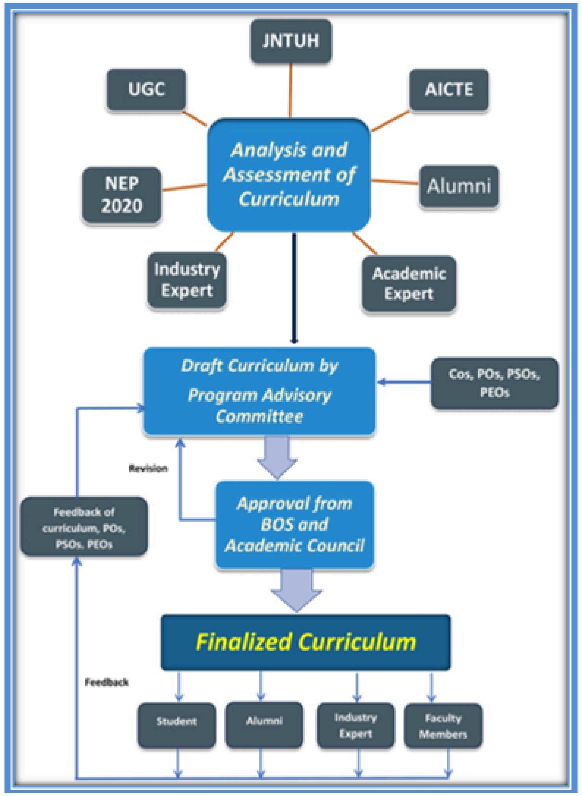

JNTUH
UGC
AICTE
Analysis and Assessment of Curriculum
NEP 2020
Alumni
Industry Expert
Academic Expert
Draft Curriculum by Program Advisory Committee
Cos, POs, PSOs, PEOs
Revision
Feedback of curriculum, POs, PSOs. PEOs
Approval from BOS and Academic Council
Finalized Curriculum
Feedback
Student
Alumni
Industry Expert
Faculty Members

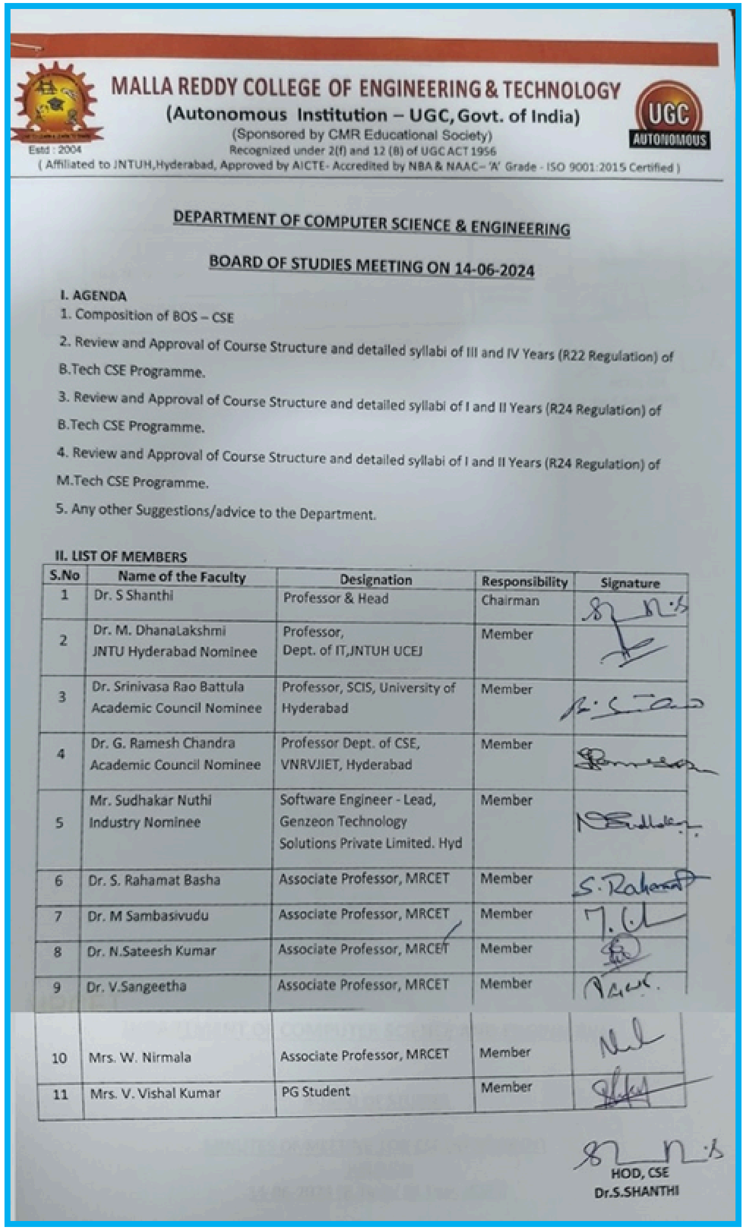
Fig. 2.1.1.1 Procedure for designing the program curriculum

The following processes are involved in creating the program curriculum in order to achieve the program outcomes and program-specific outcomes.

Step 1:	The Departments previous PSO and PEO's are taken into consideration when creating the curriculum.

Step 2:	The curriculums structure is created by taking into account the suggestions made by industry professionals, academic experts, students, and Alumni.
Step 3:	Course selection is centered on the fundamental and emerging fields of computer science and engineering.
Step 4:	By keeping in view of attaining outcomes the course contents are prepared.
Step 5:	Course Objectives and Course Outcomes are framed for all the subjects. Course outcomes are mapped with program outcomes and program-specific outcomes to make sure that the curriculum is fully compliant with achieving the program outcomes and program-specific outcomes.
Step 6:	Design of course delivery, Assessment methods and procedure for attainment of CO, PO and PSOs
Step 7:	Program Advisory Commitee(PAC) consolidates and forwards the curriculum to BOS and Academic Council for final Approval
Step 8:	As the Board of Studies and Academic Council have reviewed and accepted the curriculum, it is finalized; if not, Steps 6 and 7 are repeated for revision.
Step 9:	Feedback from students, alumni, industry professionals, and faculty members regarding the current curriculum, the future Regulation Curriculum is created.

- In addition, department takes several measures in framing the curriculum for the full attainment of the program outcomes. In this regard, various workshops and seminars are conducted on the aspects of curriculum design to enrich the faculty with the best practices.
- BOS meetings are regularly (minimum once in a year) conducted in the department. The BOS consists of experts from the industry,renowned academicians and university nominee,in house senior faculties and our PG student as member. The prepared draft is discussed and corrections/suggestions from BOS members are incorporated, thus a final programme curriculum with scheme of evaluation will be ready to implement for that particular academic year.The BOS members for the academic year 2024 -2025 are given in Figure 2.1.1.2



MALLA REDDY COLLEGE OF ENGINEERING & TECHNOLOGY
(Autonomous Institution – UGC, Govt. of India)
(Sponsored by CMR Educational Society)
Recognized under 2(f) and 12 (B) of UGC ACT 1956
(Affiliated to JNTUH,Hyderabad, Approved by AICTE- Accredited by NBA & NAAC– 'A' Grade - ISO 9001:2015 Certified)
Estd : 2004
UGC AUTONOMOUS

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

BOARD OF STUDIES MEETING ON 14-06-2024

I. AGENDA

1. Composition of BOS – CSE
2. Review and Approval of Course Structure and detailed syllabi of III and IV Years (R22 Regulation) of B.Tech CSE Programme.
3. Review and Approval of Course Structure and detailed syllabi of I and II Years (R24 Regulation) of B.Tech CSE Programme.
4. Review and Approval of Course Structure and detailed syllabi of I and II Years (R24 Regulation) of M.Tech CSE Programme.
5. Any other Suggestions/advice to the Department.

II. LIST OF MEMBERS

S.No	Name of the Faculty	Designation	Responsibility	Signature
1	Dr. S Shanthi	Professor & Head	Chairman	
2	Dr. M. DhanaLakshmi JNTU Hyderabad Nominee	Professor, Dept. of IT,JNTUH UCEJ	Member	
3	Dr. Srinivasa Rao Battula Academic Council Nominee	Professor, SCIS, University of Hyderabad	Member	
4	Dr. G. Ramesh Chandra Academic Council Nominee	Professor Dept. of CSE, VNRVJIET, Hyderabad	Member	
5	Mr. Sudhakar Nuthi Industry Nominee	Software Engineer - Lead, Genzeon Technology Solutions Private Limited. Hyd	Member	
6	Dr. S. Rahamat Basha	Associate Professor, MRCET	Member	
7	Dr. M Sambasivudu	Associate Professor, MRCET	Member	
8	Dr. N.Sateesh Kumar	Associate Professor, MRCET	Member	
9	Dr. V.Sangeetha	Associate Professor, MRCET	Member	
10	Mrs. W. Nirmala	Associate Professor, MRCET	Member	
11	Mrs. V. Vishal Kumar	PG Student	Member	

HOD, CSE
Dr.S.SHANTHI

Figure 2.1.1.2 BOS MEMBERS 2024 - 2025

2.1.2 Structure of the Curriculum (5)

Institute Marks : 5.00

ID	Course Code	Course Title	Lecture (L)	Tutorial (T)	Practical (P)	Total Hours	Theory Credits	Practical Credits	Total Credits
1	R20A0001	English	2	0	0	2	2	0	2
2	R20A0021	Mathematics-1	3	1	0	4	4	0	4
3	R20A0201	Basic Electrical Engineering Graphics	3	0	0	3	3	0	3
4	R20A0302	Computer Aided Engineering Graphics	2	0	2	4	3	0	3
5	R20A0501	Programming for Problem Solving	3	0	0	3	3	0	3
6	R20A0081	English Language Communication Skills Lab	0	0	4	4	0	2	2
7	R20A0281	Basic Electrical Engineering Lab	0	0	3	3	0	1.5	1.5
8	R20A0581	Programming for Problem Solving Lab	0	0	3	3	0	1.5	1.5
9	R20A0003	Human Values and Professional Ethics	2	0	0	2	0	0	0
10	R20A0002	Professional English	2	0	0	2	2	0	2
11	R20A0022	Mathematics-II	3	1	0	4	4	0	4
12	R20A0011	Applied Physics	3	0	0	3	3	0	3
13	R20A0401	Analog and Digital Electronics	3	0	0	3	3	0	3
14	R20A0502	Python Programming	3	0	0	3	3	0	3
15	R20A0082	Applied Physics Lab	0	0	3	3	0	1.5	1.5
16	R20A0582	Python Programming Lab	0	0	3	3	0	1.5	1.5
17	R20A0083	Engineering and IT Workshop	0	0	4	4	0	2	2
18	R20A0064	Financial Institutions, Markets and Services	1	0	0	1	0	0	0
19	R20A0503	Data Structures Using Python	3	0	0	3	3	0	3
20	R20A0504	Operating Systems	3	0	0	3	3	0	3
21	R20A0505	Design and Analysis of Algorithms	3	0	0	3	3	0	3

22	R20A0506	Computer Organization	3	0	0	3	3	0	3
23	R20A0024	Probability and Statistics	3	0	0	3	3	0	3
24	R20A0061	Managerial Economics and Financial Analysis	3	0	0	3	3	0	3
25	R20A0583	Data Structures Using Python Lab	0	0	3	3	0	1.5	1.5
26	R20A0584	Operating systems Lab	0	0	3	3	0	1.5	1.5
27	R20A0004	Foreign Language:French	2	0	0	2	0	0	0
28	R20A0026	Discrete Mathematics	3	0	0	3	3	0	3
29	R20A0507	Formal Language and Automata Theory	3	0	0	3	3	0	3
30	R20A0508	Object Oriented Programming Through Java	3	0	0	3	3	0	3
31	R20A0509	Database Management Systems	3	0	0	3	3	0	3
32	R20A0510	Computer Networks	3	0	0	3	3	0	3
33	OE I	Open Elective-I	3	0	0	3	3	0	3
34	R20A0585	Object Oriented Programming through Java Lab	0	0	0	0	0	1.5	1.5
35	R20A0586	Database Management System Lab	0	0	3	3	0	1.5	1.5
36	R20A0008	Global Education & Professional Career	2	0	0	2	0	0	0
37	R20A0511	Software Engineering	3	0	0	3	3	0	3
38	R20A0512	Compiler Design	3	0	0	3	3	0	3
39	R20A0513	Artificial Intelligence	3	0	0	3	3	0	3
40	PE I	Professional Elective-I	3	0	0	3	3	0	3
41	PE II	Professional Elective-II	3	0	0	3	3	0	3
42	OE II	Open Elective-II	3	0	0	3	3	0	3
43	R20A0587	Compiler Design and Case Tools Lab	0	0	3	3	0	1.5	1.5

44	R20A0588	Artificial Intelligence Lab	0	0	3	3	0	1.5	1.5
45	R20A0596	Application Development-I	0	0	4	4	0	2	2
46	R20A0006	Technical Communication & Soft Skills	2	0	0	2	0	0	0
47	R20A0516	Full stack Development	3	0	0	3	3	0	3
48	R20A0518	Machine Learning	3	0	0	3	3	0	3
49	PE III	Professional Elective-III	3	0	0	3	3	0	3
50	PE IV	Professional Elective-IV	3	0	0	3	3	0	3
51	OE III	Open Elective-III	3	0	0	3	3	0	3
52	R20A0589	Full Stack Development Lab	0	0	3	3	0	1.5	1.5
53	R20A0590	Machine Learning Lab	0	0	3	3	0	1.5	1.5
54	R20A0597	Application Development-II	0	0	4	4	0	2	2
55	R20A0007	Constitution of India	2	0	0	2	0	0	0
56	R20A0520	Big Data Analytics	3	0	0	3	3	0	3
57	R20A0521	Cloud Computing	3	0	0	3	3	0	3
58	R20A0522	Block Chain Technology	3	0	0	3	3	0	3
59	PE V	Professional Elective-V	3	0	0	3	3	0	3
60	PE VI	Professional Elective-VI	3	0	0	3	3	0	3
61	R20A0591	Block Chain Technology Lab	0	0	3	3	0	1.5	1.5
62	R20A0592	Big Data Analytics Lab	0	0	3	3	0	1.5	1.5
63	R20A0598	Mini Project	0	0	6	6	0	3	3
64	R20A0337	Innovation, Start-up & Entrepreneurship	3	1	0	4	4	0	4
65	R20A0599	Major Project	0	0	20	20	0	10	10

		Total	**125**	**3**	**83**	**211**	**118**	**42.0**	**160.0**

2.1.3 State the components of the curriculum (5)

Institute Marks : 5.00

Edit Save

Course Components	Curriculum Content (% of total number of credits of the program)	Total number of contact hours	Total number of credits
Basic Sciences	11.56	20.00	18.50

2.1.4 State the process used to identify extent of compliance of the curriculum for attaining the Program Outcomes and Program Specific Outcomes as mentioned in Annexure I (10)

Institute Marks : 10.00

PROCESS TO IDENTIFY THE EXTENT OF COMPLIANCE OF THE CURRICULUM

- The curriculum outline is prepared using Program Educational Objectives (PEO), Program Outcomes (PO), and Program Specific Outcomes (PSO) as the foundation.
- By gathering feedback from students, alumni, industry experts, and the Internal Quality Assurance Cell (IQAC), the Program Specific Outcomes are determined in the programs essential areas.
- At the completion of every academic semester, both direct and indirect assessments are used to evaluate the course outcomes (COs).
- The degree of CO attainment in each course and the associated CO-PO mapping serve as the foundation for direct assessment.
- Student performance in midterm exams, assignments, seminars, project work, and semester-end exams is used to determine the CO achievement.
- Employer and alumni surveys serve as the foundation for indirect assessment.
- Every year, the Program Advisory Committee (PAC) evaluates the CO/PO achievement for each course.
- PAC advises faculty members and implements corrective steps to increase attainment in the future for the fullest achievement of the mappings shortcomings, i.e., where attainment is low.
- Every semester, the student feedback collected prior to the first midterm exam is examined right away.
- This aid in resolving concerns linked to instruction and, ultimately, enhances the delivery of the course within the same semester.
- Also, at the end of semester, feedback is taken from course coordinator, course instructor and students to identify the course attainment gap with respect to latest technologies in the discipline.
- The process of identifying the curriculum gaps is given in the following figure 2.1.4.1

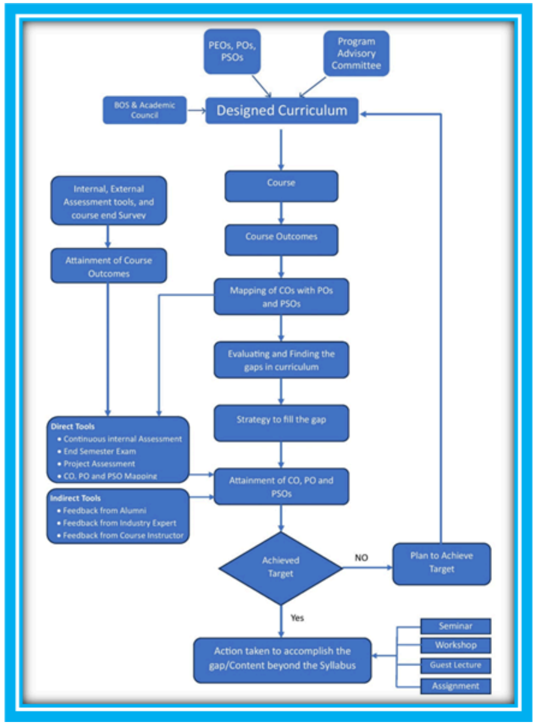

PEOs, POs, PSOs
Program Advisory Committee
BOS & Academic Council
Designed Curriculum
Course
Course Outcomes
Internal, External Assessment tools, and course end Survey
Attainment of Course Outcomes
Mapping of COs with POs and PSOs
Evaluating and Finding the gaps in curriculum
Strategy to fill the gap
Direct Tools
• Continuous internal Assessment
• End Semester Exam
• Project Assessment
• CO, PO and PSO Mapping
Indirect Tools
• Feedback from Alumni
• Feedback from Industry Expert
• Feedback from Course Instructor
Attainment of CO, PO and PSOs
Achieved Target
NO
Plan to Achieve Target
Yes
Action taken to accomplish the gap/Content beyond the Syllabus
Seminar
Workshop
Guest Lecture
Assignment

FIG 2.1.4.1 PROCESS FOR DETERMINING CURRICULUM GAP TO ATTAIN POs AND PSOs

The following steps are involved in the above process to identify curriculum gap to the attainment of the POs and PSOs

Step 1:	As per 2.1.1.1, The curriculum design is prepared
Step 2:	The Course is prepared and the course outcomes are made as per the requirement.
Step 3:	The CO's and PO's are mapped to fulfil the needs required for a course design.
Step 4:	After mapping, an analysis is carried out to identify the gaps if any such needed is to be addressed.
Step 5:	Strategic plan is made to fill the gaps attained during the analysis in the previous step.
Step 6:	Direct attainment is calculated through Continuous Internal Evaluation and indirect attainment through Feedback from Students, Industry Experts, and Subject Instructors.
Step 7:	Using the Direct and Indirect tools as an input, it is analyzed whether the required COs, POs and PSOs are achieved or not.

Step 8:	If target is achieved then the actions for the strategic plan is implemented otherwise a revision, on the curriculum is done

It is ensured that the defined POs/PSOs are adequately covered by the courses being taught and each course is mapped substantially high with at least one PO. It also ensured that the POs/PSOs have high correlation with adequate number of courses.

Finally, the curriculum will be approved by the BOS and Academic Council. The process of developing and finding the compliance of curriculum with PO's and PSO's is as shown in the Fig. 2.1.4.1. The mapping of all the courses in the R-20 Curriculum with POs and PSOs are shown in Table below 2.1.4.1. This ensures that the courses are chosen appropriately for the compliance of the curriculum, for the attainment of Program Outcomes and Program Specific Outcomes.

Table 2.1.4.1 MAPPING OF ALL COURSES IN R20 CURRICULUM WITH POS AND PSOS

Sl. No.	SUBJECT CODE	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	P10	P11	P12	PSO1	PSO2	PSO3
1	R20A0501	✓	✓	✓	✓	✓	-	-	-	✓	✓	-	✓	✓	✓	✓
2	R20A0581	✓	✓	✓	✓	✓	-	-	-	✓	✓	-	✓	✓	✓	✓
3	R20A0502	✓	✓	✓	✓	✓	✓	-	-	✓	✓	✓	✓	✓	✓	✓
4	R20A0582	✓	✓	✓	✓	✓	✓	-	-	✓	✓	✓	✓	✓	✓	✓
5	R20A0503	✓	✓	✓	✓	✓	-	-	-	✓	✓	✓	✓	✓	✓	✓
6	R20A0504	✓	✓	✓	✓	✓	-	-	-	✓	✓	✓	✓	✓	✓	✓
7	R20A0505	✓	✓	✓	✓	✓	-	-	-	✓	✓	-	✓	✓	✓	✓
8	R20A0506	✓	✓	✓	✓	✓	-	-	-	✓	✓	-	✓	✓	✓	✓
9	R20A0583	✓	✓	✓	✓	✓	-	-	-	✓	✓	-	✓	✓	✓	✓
10	R20A0584	✓	✓	✓	✓	✓	-	-	-	✓	✓	✓	✓	✓	✓	✓
11	R20A0507	✓	✓	✓	✓	✓	-	-	-	✓	✓	✓	✓	✓	✓	✓
12	R20A0508	✓	✓	✓	✓	✓	✓	-	-	✓	✓	✓	✓	✓	✓	✓
13	R20A0509	✓	✓	✓	✓	✓	✓	-	-	✓	✓	✓	✓	✓	✓	✓
14	R20A0510	✓	✓	✓	✓	✓	✓	-	-	✓	✓	✓	✓	✓	✓	✓
15	R20A0585	✓	✓	✓	✓	✓	✓	-	-	✓	✓	✓	✓	✓	✓	✓
16	R20A0586	✓	✓	✓	✓	✓	-	-	-	✓	✓	✓	✓	✓	✓	✓
17	R20A0511	✓	✓	✓	✓	✓	-	-	-	✓	✓	✓	✓	✓	✓	✓
18	R20A0512	✓	✓	✓	✓	✓	✓	-	-	✓	✓	✓	✓	✓	✓	✓
19	R20A0513	✓	✓	✓	✓	✓	-	-	-	✓	✓	✓	✓	✓	✓	✓
20	R20A6210	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
21	R20A7201	✓	✓	✓	✓	✓	✓	-	-	-	✓	-	✓	✓	✓	✓
22	R20A0514	✓	✓	✓	✓	✓	-	-	-	-	✓	-	✓	✓	✓	✓
23	R20A6702	✓	✓	✓	✓	✓	✓	-	-	✓	✓	-	✓	✓	✓	✓
24	R20A0515	✓	✓	✓	✓	✓	✓	-	-	✓	✓	✓	✓	✓	✓	✓
25	R20A6903	✓	✓	✓	✓	✓	-	-	-	✓	✓	✓	✓	✓	✓	✓
26	R20A0587	✓	✓	✓	✓	✓	-	-	-	✓	✓	✓	✓	✓	✓	✓
27	R20A0588	✓	✓	✓	✓	✓	-	-	-	✓	✓	✓	✓	✓	✓	✓
28	R20A0516	✓	✓	✓	✓	✓	-	-	-	✓	✓	✓	✓	✓	✓	✓
29	R20A0518	✓	✓	✓	✓	✓	-	-	-	✓	✓	✓	✓	✓	✓	✓

30	R20A6202	✓	✓	✓	✓	✓	-	-	-	✓	✓	✓	✓	✓	✓	✓
31	R20A0519	✓	✓	✓	✓	✓	-	-	-	✓	✓	-	✓	✓	✓	✓
32	R20A0589	✓	✓	✓	✓	✓	-	-	-	✓	✓	-	✓	✓	✓	✓
33	R20A0590	✓	✓	✓	✓	✓	✓	✓	-	-	-	-	✓	✓	✓	✓
34	R20A0520	✓	✓	✓	✓	✓	✓	✓	-	✓	-	✓	✓	✓	✓	✓
35	R20A0521	✓	✓	✓	✓	✓	-	-	-	-	-	-	✓	✓	✓	✓
36	R20A0522	✓	✓	✓	✓	✓	✓	✓	-	✓	✓	✓	✓	✓	✓	✓
37	R20A6610	✓	✓	✓	✓	✓	-	-	-	✓	✓	✓	✓	✓	✓	✓
38	R20A6908	✓	✓	✓	✓	✓	-	-	✓	✓	✓	✓	✓	✓	✓	✓
39	R20A0523	✓	✓	✓	✓	✓	-	✓	✓	✓	✓	✓	✓	✓	✓	✓
40	R20A6703	✓	✓	✓	✓	✓	-	✓	✓	✓	✓	✓	✓	✓	✓	✓
41	R20A0524	✓	✓	✓	✓	✓	-	✓	✓	✓	✓	✓	✓	✓	✓	✓
42	R20A0525	✓	✓	✓	✓	✓	-	✓	✓	✓	✓	✓	✓	✓	-	✓
43	R20A0591	✓	✓	✓	✓	✓	-	✓	✓	✓	✓	✓	✓	✓	✓	✓
44	R20A0592	✓	✓	✓	✓	✓	-	✓	✓	✓	✓	✓	✓	✓	✓	✓
45	R20A0552	✓	✓	✓	✓	✓	-	-	-	✓	✓	-	✓	✓	✓	✓

Extended Methods for Compliance of Curriculum with PO’s and PSO’s:

Several measures are taken for filling the gaps in the curriculum as and when required, towards the attainment of course outcomes and program outcomes. This helps in strengthening the skills of students especially the technical, communication and professional skills.

Few of co-curricular activities offered at the department level are as follows.

- At the end of the semester, student feedback (on an anonymous basis) is taken for the quality of the course contents along with the course delivery specific for a faculty member. This enables the Department to make proactive changes to successive courses and functioning methods of the faculty.
- Aptitude training is given to all students from III year as a part of the regular timetable. Before each placement drive, company based technical training is given for better placements.The placement drive identifies performance gaps in the students. Such gaps are mitigated by providing training by way of Add-on courses and Soft skills which complement regular classes.
- One such gap identified was the lack of communication skills. Students have been found to exhibit interview phobia. This is being countered by giving them more practice during their communication lab on continuous basis using Cambridge,Pearson Communication Tools.
- The subject expertise identified lack of knowledge in core areas of computer science. This curriculum gap is bypassed by taking content topics beyond syllabus and by providing sessions by renowned personalities from various institutions listed in table 2.4.1.2

- Adequate changes have been introduced in the syllabus and the subjects to keep them abreast with technology changes.
- Seminars/workshops and guest lectures are conducted for filling the attainment gaps in the curriculum as and when required.
- Students are encouraged to go for internships in reputed organizations to get exposure in advanced technologies and enhance the managerial and leadership qualities
- Students are encouraged to participate in inter institute technical events including paper presentations and seminars on emerging areas of Computer Science & Engineering to keep them updated on latest technologies.
- Innovative project work is being carried out by the students to solve societal problems and short listed in national level competitions like Smart India Hackathon.
- During seminar presentation, mini and major project students are encouraged to access standard Journals like IEEE, Elsevier, IET etc to select the topic/problem statement. This enable the student to understand the challenges involved in implementing the concepts in real time.
- The Curriculum gaps are identified and the corresponding programs are listed out in Table 2.4.1.2

Table 2.4.1.2 Programs conducted to fill curriculum gaps and obtain the necessary POs and PSOs

Name of the Programme	Number of students benefited
Web development using FLASK In association with Code Tantra	270
Agile & Scrum Methodologies	230
MACHINE LEARNING IN ASSOCIATION WITH INTEL UNNATI	260
Startup Culture and Entrepreneurship in Tech	240
Professional Ethics in Software Development	240
Analytical and Quantitative Aptitude	220
Data Analysis Techniques Workshop	260
CISCO CCNA Certification Training Program	250
Green Coding and Sustainable Software Design	240
MACHINE LEARNING	240
Ideathon 2.0	50
Environmental Policy Regulations and Green Tech Innovation	245
Statistical Visualization and Analysis	220
R PROGRAMMING	240
Ideathon	54
Soft Skills Development for Engineers	220
DATA SCIENCE	280
WEB DEVELOPMENT USING DJANGO FRAMEWORK	280
Ethical Hacking and Cyber Security	235
Application Development using React-Native	280
ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING	220

The above workshops were conducted in view of the current technology of the market for the student as well as to fill the gaps of the curriculum with respect to PO6, PO7,PO8.

2.2 Teaching-Learning Processes (70) Total Marks 70.00

2.2.1 Describe Processes followed to improve quality of Teaching & Learning (15)

Institute Marks : 15.00

PROCESSES FOLLOWED TO IMPROVE QUALITY OF TEACHING & LEARNING:

The Teaching and Learning process is given foremost importance in the Department. Quality improvement in teaching and learning is achieved through a well-defined system of an academic components and procedures which are explained in the following figure 2.2.1.1 below

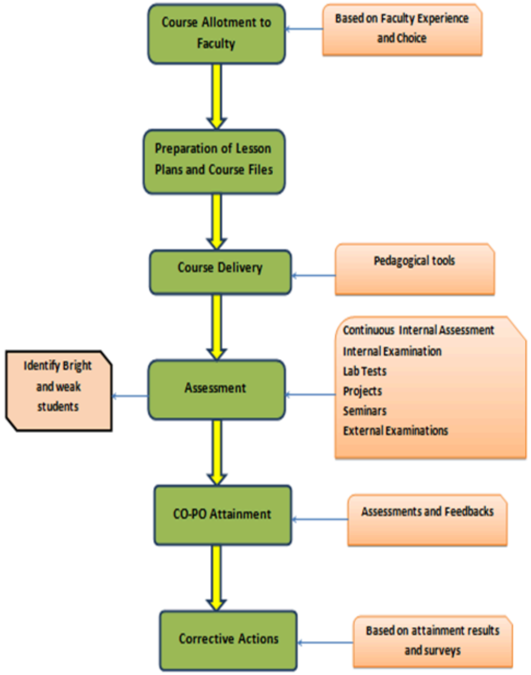

Course Allotment to Faculty
Based on Faculty Experience and Choice
Preparation of Lesson Plans and Course Files
Course Delivery
Pedagogical tools
Identify Bright and weak students
Assessment
Continuous Internal Assessment
Internal Examination
Lab Tests
Projects
Seminars
External Examinations
CO-PO Attainment
Assessments and Feedbacks
Corrective Actions
Based on attainment results and surveys

FIGURE 2.2.1.1 PROCESS TO IMPROVE QUALITY OF TEACHING AND LEARNING

To strengthen the teaching-learning process, the following initiatives have been taken:

Ø **Adherence to Academic Calendar**

Preparation of Academic action plans/Lesson Plan

Ø **Pedagogical Initiatives**

Classroom Teaching

Interactive Classrooms

Expert/Guest Lectures

Self-Learning Courses

Virtual Labs

Workshops

Project Based Learning

Collaborative / Cooperative Teaching/ Learning

Assignments Based Problem Solving

Group Discussion/ Presentation

Internships

Smart Board

Activity Based Learning

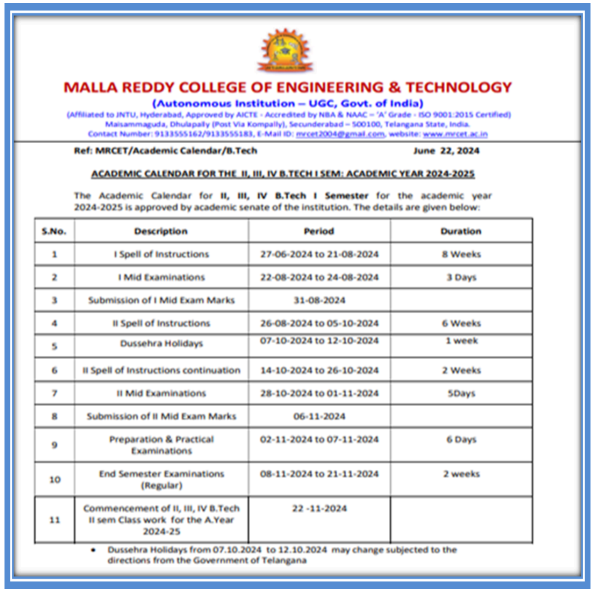
A. ADHERENCE TO ACADEMIC CALENDAR

The academic calendar is an essential tool for planning and organizing the teaching-learning process in educational institutions.

Academic calendar is prepared at the institute level well in advance before the commencement of each semester and is displayed in the college website for the view of students, parents and faculty members.

The academic calendar is typically circulated among the faculty members and students at the beginning of the academic year to ensure that everyone is well-informed about the key dates and events for the upcoming term.

Faculty members are allotted Courses as per their preferences in advance. Before the commencement of a semester, it is essential for faculty members to prepare various teaching materials such as lesson plan, Course material such as digital notes, lab manual etc to ensure smooth and effective course delivery. Figure 2.2.1.2 shows the sample academic calendar.



MALLA REDDY COLLEGE OF ENGINEERING & TECHNOLOGY
(Autonomous Institution – UGC, Govt. of India)
(Affiliated to JNTU, Hyderabad, Approved by AICTE - Accredited by NBA & NAAC – 'A' Grade - ISO 9001:2015 Certified)
Maisammaguda, Dhulapally (Post Via Kompally), Secunderabad – 500100, Telangana State, India.
Contact Number: 9133555162/9133555183, E-Mail ID: mrcet2004@gmail.com, website: www.mrcet.ac.in

Ref: MRCET/Academic Calendar/B.Tech **June 22, 2024**

ACADEMIC CALENDAR FOR THE II, III, IV B.TECH I SEM: ACADEMIC YEAR 2024-2025

The Academic Calendar for **II, III, IV B.Tech I Semester** for the academic year 2024-2025 is approved by academic senate of the institution. The details are given below:

S.No.	Description	Period	Duration
1	I Spell of Instructions	27-06-2024 to 21-08-2024	8 Weeks
2	I Mid Examinations	22-08-2024 to 24-08-2024	3 Days
3	Submission of I Mid Exam Marks	31-08-2024	
4	II Spell of Instructions	26-08-2024 to 05-10-2024	6 Weeks
5	Dussehra Holidays	07-10-2024 to 12-10-2024	1 week
6	II Spell of Instructions continuation	14-10-2024 to 26-10-2024	2 Weeks
7	II Mid Examinations	28-10-2024 to 01-11-2024	5Days
8	Submission of II Mid Exam Marks	06-11-2024	
9	Preparation & Practical Examinations	02-11-2024 to 07-11-2024	6 Days
10	End Semester Examinations (Regular)	08-11-2024 to 21-11-2024	2 weeks
11	Commencement of II, III, IV B.Tech II sem Class work for the A.Year 2024-25	22 -11-2024	

- Dussehra Holidays from 07.10.2024 to 12.10.2024 may change subjected to the directions from the Government of Telangana

FIGURE 2.2.1.2 ACADEMIC CALENDAR 2024 -2025

B. PEDAGOGICAL INITIATIVES FOR EFFECTIVE LEARNING

Course allocation is made based on the experience and choice of the faculty members one month before the commencement of semester.

Faculty handling a course prepares a course file which contains the following:

- Lesson Plan
- Time table
- Lecture Notes
- Assignment Questions
- Model Question Paper
- Question Bank
- Previous Question Papers
- Tutorials
- Animated videos links
- NPTEL videos links

Course hand-outs and materials are prepared keeping in mind the lesson plan and course outcomes.Faculty members use various pedagogical methods for effective teaching learning process.

1. CLASSROOM TEACHING:

The lecture delivery by the faculty is through a set of educational technology/tools such as

- Chalk and talk – All classrooms are equipped with digital boards.
- Power point presentation (PPT).
- Citing real world examples for application based courses.
- Case studies
- Access to study material in e-resources
- Assignment based problem solving

- Laboratory demonstration
- Group discussion/ presentation

2. INTERACTIVE CLASSROOMS:

Classroom teaching is made interactive by encouraging student participation as follows:

- Students are asked to summarize the main points that they learned in class that day
- Asking the significance, utility, or relevance of the information presented in the class.
- Integrating a case study or or a problem solving exercise into the class.

Based on the course plan, the delivery is recorded accordingly in the attendance register and reviewed by the Head of the Department. The teaching-learning process is evaluated based on the data recorded.

3. EXPERT/GUEST LECTURES:

The Department organizes various expert/guest lectures to provide in depth knowledge on emerging technologies in association with the industry experts and academicians. This provides a platform for students to enhance their skills in latest technologies.Figure 2.2.1.3 shows the sample photo of guest lecture organized in the Department.

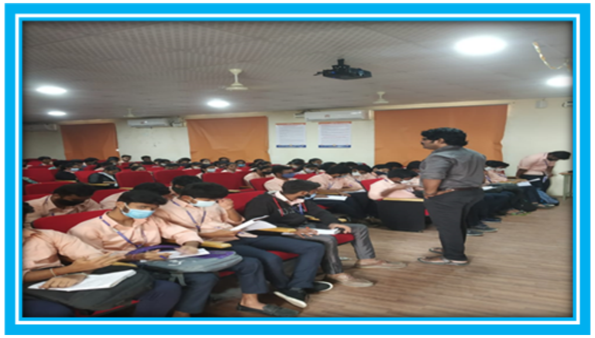
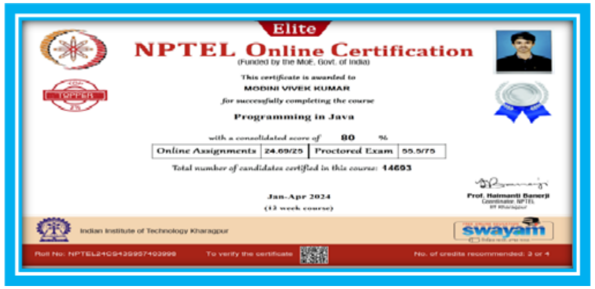


FIGURE 2.2.1.3: GUEST LECTURE ORGANIZED BY DEPARTMENT

4. SELF LEARNING COURSES:

a.NPTEL

NPTEL and SWAYAM: The faculty members are using E-sources such as NPTEL and SWAYAM courses for effective teaching. The same also provided to the students to develop self-learning and life-long learning skills.Figure 2.2.1.4 shows the sample NPTEL Certificate.



Elite

NPTEL Online Certification

(Funded by the MoE, Govt. of India)

This certificate is awarded to

MODINI VIVEK KUMAR

for successfully completing the course

Programming in Java

with a consolidated score of 80 %

Online Assignments	24.69/25	Proctored Exam	55.5/75

Total number of candidates certified in this course: 14693

Jan-Apr 2024

(12 week course)

Prof. Haimanti Banerji

Coordinator, NPTEL

IIT Kharagpur

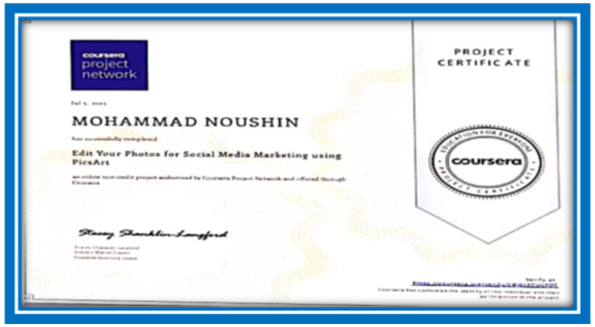
Indian Institute of Technology Kharagpur

Roll No: NPTEL24CS43S957403998 To verify the certificate No. of credits recommended: 3 or 4

FIGURE 2.2.1.4 NPTEL CERTIFICATE

b.COURSERA

Coursera works with universities and other organizations to offer online courses, certifications, and degrees in a variety of subjects.Figure 2.2.1.5 shows the sample Coursera Certificate.



coursera project network

PROJECT CERTIFICATE

MOHAMMAD NOUSHIN

Edit Your Photos for Social Media Marketing using PicsArt

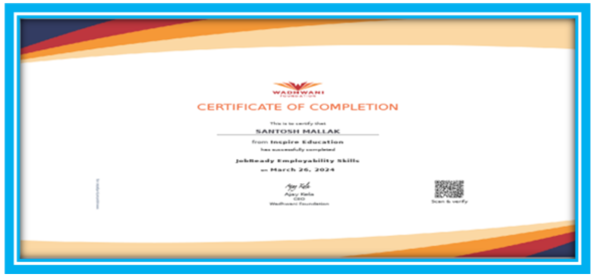
FIGURE 2.2.1.5 COURSERA CERTIFICATE

c.WADHWANI

Wadhwani Foundation is a high-growth, not-for-profit tech organization dedicated to social good. The Foundation is positively impacting the lives of millions of individuals and its core initiatives are:

- Entrepreneurship
- Skilling
- Innovation & Research
- Government Digital Transformation

Figure 2.2.1.6 shows the sample Wadhwani Certificate.



CERTIFICATE OF COMPLETION

This is to certify that

SANTOSH MALLAK

from Inspire Education

has successfully completed

JobReady Employability Skills

on March 26, 2024

Ajay Kela
CEO
Wadhwani Foundation

Scan & verify

FIGURE 2.2.1.6 WADHWANI CERTIFICATE

d. MOOCS

Many MOOCs are free or available at a low cost compared to traditional university courses. Cover a wide range of subjects, from technical skills (e.g., programming, data science) to soft skills (e.g., communication, leadership) Helps Students acquire new skills or update existing ones to stay competitive in the job market.

e. MOODLE

Learn anytime, anywhere with an internet connection. Self-paced courses allow learners to study at their convenience. Helps Students acquire coding skills to stay competitive in the job market.

5.VIRTUAL LABS

SUBJECT NAME: DATA STRUCTURES

Virtual Labs project is an initiative of Ministry of Education (MoE), Government of India There is no need of separate set up for accessing these labs.Virtual labs help students learn new material and interact with their peers, attending classes from anywhere in the world.

Innovated Virtual Labs allow students to access virtual laboratories at any time, making them indispensable for distance learning .

Students can access laboratory experiments online without the need to be physically present in a lab, which means that they can learn the experimental process from anywhere. Accessing virtual labs is easy, requiring only a device with internet connectivity; this makes them accessible to students in all educational fields.

Most of the labs are simulation based that help students in understanding problem solving mechanism clearly and helps them to find new ways to solve a problem.

Figure 2.2.1.7 shows the sample Virtual Labs Conducted in Data Structures Lab.

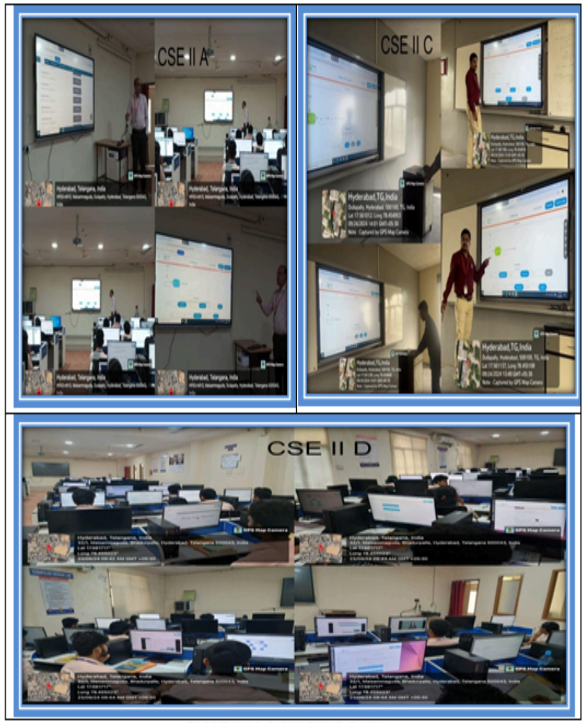


FIGURE 2.2.1.7: VIRTUAL LABS

6.WORKSHOPS

Department organizes workshops to facilitate the students in having hands on training in a specific domain. These workshops enable students in learning and realizing new and latest technologies. The students get a platform to exhibit their ideas and implement them in reality.Figure 2.2.1.8 shows the sample workshop.

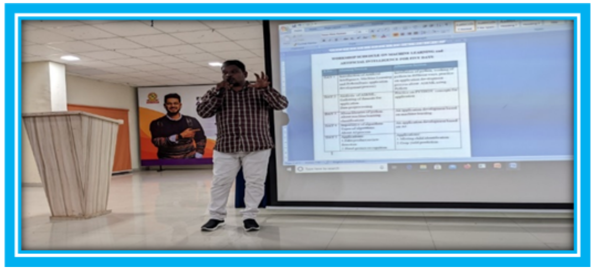


FIGURE 2.2.1.8: WORKSHOP ON ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

7.PROJECT BASED LEARNING (PBL):

Project Based Learning (PBL) is significantly more effective than traditional instruction to train competent and skilled practitioners and it promotes long-term retention of knowledge and skills. It is an innovative practice that is used to implement Outcome Based Education. From II year II semester onwards students are encouraged to carry out projects so that they can apply their engineering knowledge. 3 to 4 students are grouped as a team and they work under the guidance of faculty.Figure 2.2.1.9 shows the Project Based Learning.

FIGURE 2.2.1.9: PROJECT BASED LEARNING IN LAB

Projects are grouped under the following categories:

- Industry-Oriented Projects
- Application Development Projects
- Mini-Projects and
- Major Projects

8.COLLABORATIVE / COOPERATIVE TEACHING/ LEARNING: Students share knowledge or discuss topics in small group or in peer mode.

9.ASSIGNMENTS BASED PROBLEM SOLVING: Assignments are given to students on problems and will be solved by themselves. Assignments are based on COs which helps to achieve Program Outcomes.

10.GROUP DISCUSSION/ PRESENTATION: Students who learn through group discussion are asked to deliver short presentation on a topic.

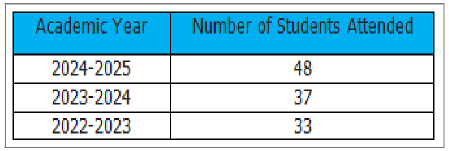
11.INTERNSHIPS: At the end of semester or in vacation time students are allowed to carry out internship in reputed industries/companies to get practical exposure.

It helps the students to

- Expose themselves to the engineering practice which is specific to their course specialization
- Understand the responsibility of an engineer and the engineering profession
- Develop communication skills that include daily interaction within the working environment and technical writing.
- To bridge the gap between the subjects studied and industrial requirement

Table 2.2.1.1: No. of Internships in three academic years

Table 2.2.2.1 Internship in Each Academic Year



Academic Year	Number of Students Attended
2024-2025	48
2023-2024	37
2022-2023	33

12.SMART BOARD

All classrooms are equipped with smart board. Smart boards are more flexible compared to the white boards in the way that we can explain the concepts in a lucid manner to the students with the help of pictures and videos. It creates the learning environment more interactive. Smart boards allow integration of various technologies in order to improve the learning experience.Figure 2.2.1.10 shows the sample smart board in classroom.

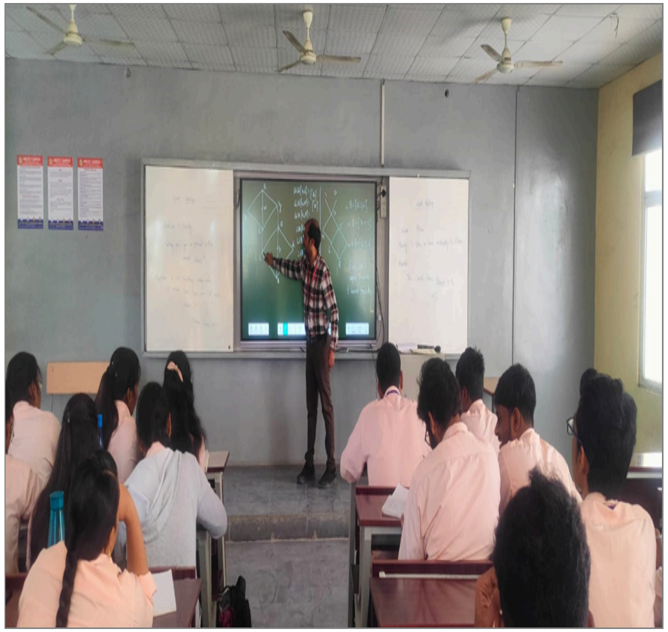


Figure 2.2.1.10: Smart Board classroom

13.ACTIVITY-BASED LEARNING:

Learning can be improved if students are involved in activities, so that learning can be more interesting and engaging.

Acitivity-based learning is imparted through:

- Role Plays

- Quiz
- Mind Map
- Just a Minute
- Group Discussions

Activity based Learning is shown in Figure 2.2.1.11.

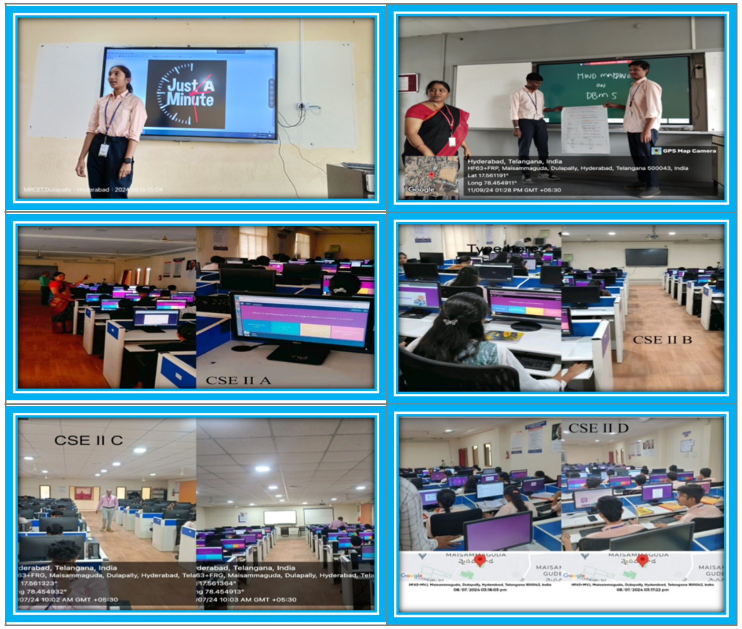


Figure 2.2.1.11: Activity-Based Learning

C. METHODOLOGIES TO SUPPORT WEAK STUDENTS AND ENCOURAGE BRIGHT STUDENTS

- Student's performance is monitored by class in-charge and mentors and HOD.
- 20 to 25 students are assigned to a faculty mentor who has to counsel and monitor the performance of the student.
- This helps in identifying weak and bright students in a class and appropriate measures can be taken to guide them.

CATEGORY OF LEARNERS

CATEGORY OF LEARNERS	METHOD OF CATEGORIZATION	EXTRA CARE TAKEN FOR STUDENTS
Slow learners	Current CGPA <6	• Identify the courses in which student is week • Additional time is provided by the faculty member for better understanding • Extra counselling to motivate students and guide students for better preparation • More test and assignment are given • Mentors are facilitated to understand personal and professional difficulties of students
Fast learners	Current CGPA >9	• Supplementary assignments are provided to develop skills on complex problems solving • Fast learners are given practical applications scenario to implement in the laboratory • Extra classes for advance topics • Special guidance to publish papers and carried out innovative projects

Process to identify the bright and weak students in Figure 2.2.1.12

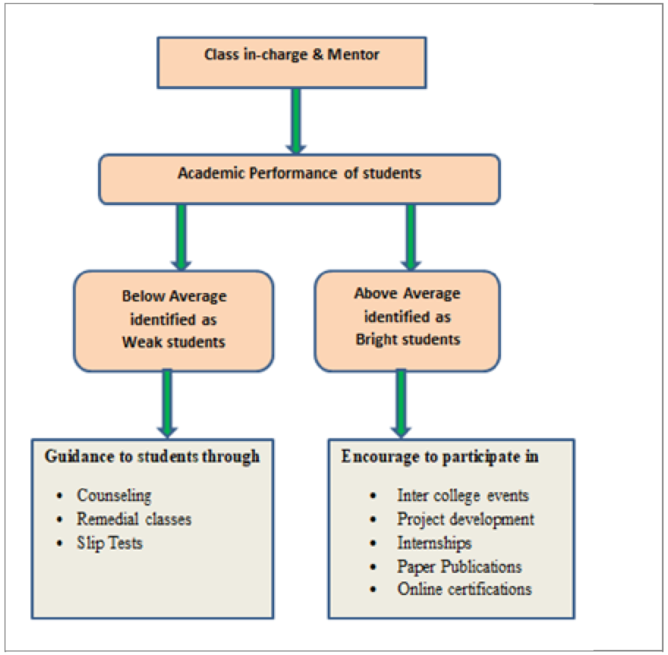

Class in-charge & Mentor
Academic Performance of students
Below Average identified as Weak students
Above Average identified as Bright students
Guidance to students through
Counseling
Remedial classes
Slip Tests
Encourage to participate in
Inter college events
Project development
Internships
Paper Publications
Online certifications

FIGURE 2.2.1.12: PROCESS TO IDENTIFY WEAK AND BRIGHT STUDENTS

ACTIONS TAKEN IN ASSISTING WEAK STUDENTS

IDENTIFICATION CRITERIA	ACTIONS TAKEN
Students scoring less marks	• Peer teaching is conducted by senior and fellow students. • Counselling is given to the students by subject handling faculty, concerned faculty advisors, Class Counsellors and HoD. • Students' performances are intimated to parents. • Remedial measures (counselling, classes, retest, and tutorial) are taken.
Failures in Semester End Examinations	• Examination failure reasons are analysed. • Counselling is given to the student. • Coaching classes are conducted before the commencement of semester end examination. Discussion on important questions and question bank.

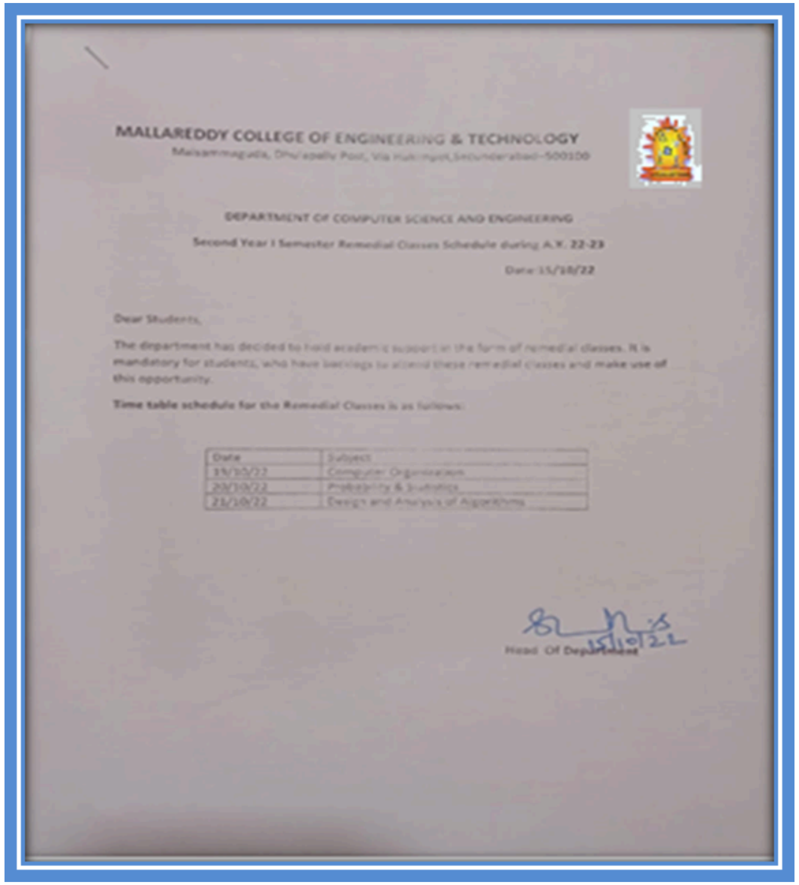
Weak Students for the Academic year 2023-2024

Table 2.2.1.2: Sample List of weak students

S. No	Roll No	Name
1	20N31A0540	Chandu Sai Sowmya
2	20N31A0562	G Chetan Reddy
3	20N31A05A3	K Akhil
4	20N31A05D0	L Sainad
5	20N31A05H7	Raj Priyanshu
6	21N31A0517	B. Prachottan Reddy
7	21N31A0525	Vaishnavi
8	21N31A05A3	K Gurunath
9	21N31A05E6	Mohd. Izhan Awaiz
10	21N31A05R3	V. Durga Sri Krishna
11	21N31A05R4	W. Rahul
12	22N35A0519	Mohd.Adil Ahmed
13	21N35A0501	A Manindra

Table 2.2.1.3: Sample Remedial class timetable for weak students AY:2023 -2024

Day	Year-Sem	Subject	Faculty	Duration
Mon	**III-I**	Compiler Design	Ms. Chandusha	3.40-4.10pm
Tue		Embedded Systems	Mr. Kiran	3.40-4.10 pm
Wed	**II-I**	Probabilty and Statistics	Ms. Rekha	3.40-4.10 pm
Fri		Operating Systems	Ms. Durga	3.40-4.10 pm



MALLAREDDY COLLEGE OF ENGINEERING & TECHNOLOGY
Maisammaguda, Dhulapally Post, Via Hakimpet, Secunderabad-500100

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Second Year I Semester Remedial Classes Schedule during A.Y. 22-23

Date:15/10/22

Dear Students,

The department has decided to hold academic support in the form of remedial classes. It is mandatory for students, who have backlogs to attend these remedial classes and make use of this opportunity.

Time table schedule for the Remedial Classes is as follows:

Date	Subject
19/10/22	Computer Organization
20/10/22	Probability & Statistics
21/10/22	Design and Analysis of Algorithms

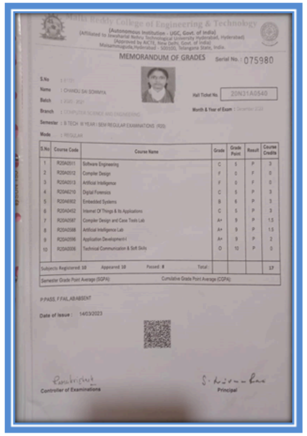
15/10/22
Head Of Department

FIGURE 2.2.1.13 : SAMPLE TIME TABLE SCHEDULE FOR REMEDIAL CLASSES

IMPACT ANALYSIS OF WEAK STUDENTS:

The observable impacts are

- **Improvement in classroom Participation** : Students were counseled by class in-charges and mentors due to which there was improvement in the attendance and overall performance of the students in classroom.
- **Reduction in backlogs** : Conduction of remedial classes was helpful for the students to clear their previous semester backlogs
- 12 students cleared Computer Organization subject
- 07 students could clear their backlog in Formal Languages and Automata theory after Remedial classes.
- 12 students cleared Discrete Mathematics backlog after attending remedial Classes.
- 09 students could clear their backlog in Probability and statistics subject out of 15



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Maisammaguda,Hyderabad - 500100, Telangana State, India.

MEMORANDUM OF GRADES Serial No. : 075980

S.No : [illegible]
Name : CHANDU SAI SOWMYA
Batch : [illegible]
Branch : COMPUTER SCIENCE AND ENGINEERING
Semester : B.TECH III YEAR I SEM REGULAR EXAMINATIONS (R20)
Mode : REGULAR
Hall Ticket No. 20N31A0540
Month & Year of Exam : [illegible]

S.No	Course Code	Course Name	Grade	Grade Point	Result	Course Credits
1	R20A0511	Software Engineering	C	5	P	3
2	R20A0512	Compiler Design	F	0	F	0
3	R20A0513	Artificial Intelligence	F	0	F	0
4	R20A6210	Digital Forensics	C	5	P	3
5	R20A6902	Embedded Systems	B	6	P	3
6	R20A0452	Internet Of Things & Its Applications	C	5	P	3
7	R20A0587	Compiler Design and Case Tools Lab	A+	9	P	1.5
8	R20A0588	Artificial Intelligence Lab	A+	9	P	1.5
9	R20A0596	Application Development-I	A+	9	P	2
10	R20A0006	Technical Communication & Soft Skills	O	10	P	0
Subjects Registered: 10 Appeared: 10 Passed: 8 Total:						17
Semester Grade Point Average (SGPA)		Cumulative Grade Point Average (CGPA)				

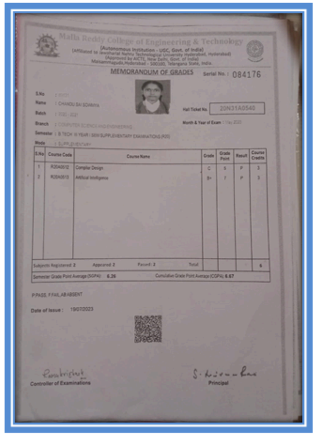
P:PASS, F:FAIL,AB:ABSENT

Date of Issue : 14/03/2023

Controller of Examinations

S. [illegible] Rao
Principal

Fig 2.2.1: Sample showing Student backlog



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(Approved by AICTE, New Delhi, Govt. of India)
Maisammaguda,Hyderabad - 500100, Telangana State, India.

MEMORANDUM OF GRADES Serial No. : 084176

S.No : [illegible]
Name : CHANDU SAI SOWMYA
Batch : [illegible]
Branch : COMPUTER SCIENCE AND ENGINEERING
Semester : B.TECH III YEAR I SEM SUPPLEMENTARY EXAMINATIONS (R20)
Mode : SUPPLEMENTARY
Hall Ticket No. 20N31A0540
Month & Year of Exam : [illegible]

S.No	Course Code	Course Name	Grade	Grade Point	Result	Course Credits
1	R20A0512	Compiler Design	C	5	P	3
2	R20A0513	Artificial Intelligence	B+	7	P	3
Subjects Registered: 2 Appeared: 2 Passed: 2 Total:						6
Semester Grade Point Average (SGPA) 6.26		Cumulative Grade Point Average (CGPA) 6.67				

P:PASS, F:FAIL,AB:ABSENT

Date of Issue : 19/07/2023

Controller of Examinations

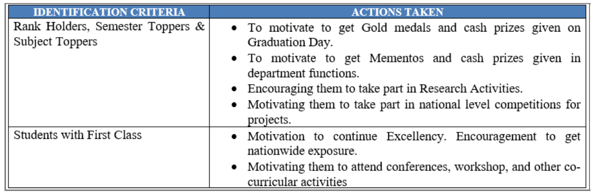
S. [illegible] Rao
Principal

Fig 2.2.1: Sample showing Cleared backlog

SUPPORT TO BRIGHT STUDENTS:

Bright students are found on the basis of their class performances, involvement in classroom, internal assessments and grades.

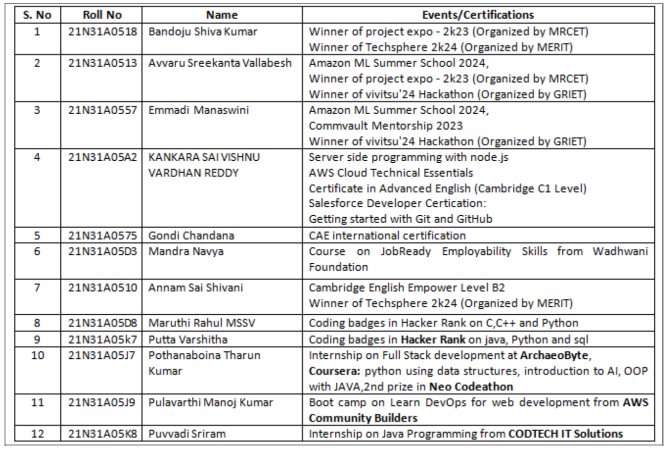
ACTIONS TAKEN IN ASSISTING BRIGHT STUDENTS



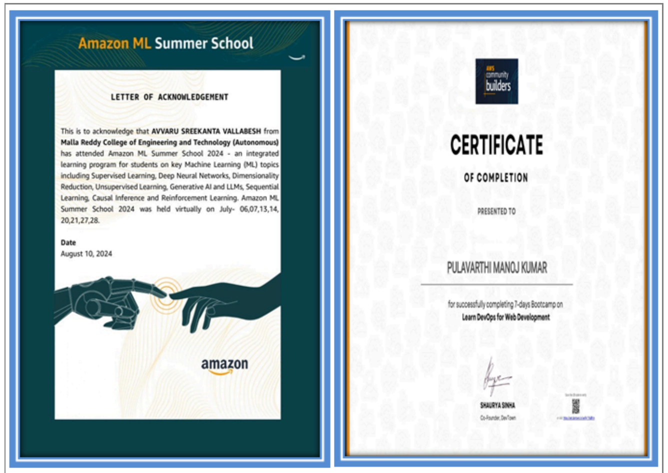
IDENTIFICATION CRITERIA	ACTIONS TAKEN
Rank Holders, Semester Toppers & Subject Toppers	• To motivate to get Gold medals and cash prizes given on Graduation Day. • To motivate to get Mementos and cash prizes given in department functions. • Encouraging them to take part in Research Activities. • Motivating them to take part in national level competitions for projects.
Students with First Class	• Motivation to continue Excellency. Encouragement to get nationwide exposure. • Motivating them to attend conferences, workshop, and other co-curricular activities

Sample List of bright students for the Academic year 2024-2025

Table 2.2.1.4: Sample List of bright students



S. No	Roll No	Name	Events/Certifications
1	21N31A0518	Bandoju Shiva Kumar	Winner of project expo - 2k23 (Organized by MRCET) Winner of Techsphere 2k24 (Organized by MERIT)
2	21N31A0513	Avvaru Sreekanta Vallabesh	Amazon ML Summer School 2024, Winner of project expo - 2k23 (Organized by MRCET) Winner of vivitsu'24 Hackathon (Organized by GRIET)
3	21N31A0557	Emmadi Manaswini	Amazon ML Summer School 2024, Commvault Mentorship 2023 Winner of vivitsu'24 Hackathon (Organized by GRIET)
4	21N31A05A2	KANKARA SAI VISHNU VARDHAN REDDY	Server side programming with node.js AWS Cloud Technical Essentials Certificate in Advanced English (Cambridge C1 Level) Salesforce Developer Certication: Getting started with Git and GitHub
5	21N31A0575	Gondi Chandana	CAE international certification
6	21N31A05D3	Mandra Navya	Course on JobReady Employability Skills from Wadhwani Foundation
7	21N31A0510	Annam Sai Shivani	Cambridge English Empower Level B2 Winner of Techsphere 2k24 (Organized by MERIT)
8	21N31A05D8	Maruthi Rahul MSSV	Coding badges in Hacker Rank on C,C++ and Python
9	21N31A05k7	Putta Varshitha	Coding badges in **Hacker Rank** on java, Python and sql
10	21N31A05J7	Pothanaboina Tharun Kumar	Internship on Full Stack development at **ArchaeoByte**, **Coursera:** python using data structures, introduction to AI, OOP with JAVA,2nd prize in **Neo Codeathon**
11	21N31A05J9	Pulavarthi Manoj Kumar	Boot camp on Learn DevOps for web development from **AWS Community Builders**
12	21N31A05K8	Puvvadi Sriram	Internship on Java Programming from **CODTECH IT Solutions**



Amazon ML Summer School

LETTER OF ACKNOWLEDGEMENT

This is to acknowledge that **AVVARU SREEKANTA VALLABESH** from **Malla Reddy College of Engineering and Technology (Autonomous)** has attended Amazon ML Summer School 2024 - an integrated learning program for students on key Machine Learning (ML) topics including Supervised Learning, Deep Neural Networks, Dimensionality Reduction, Unsupervised Learning, Generative AI and LLMs, Sequential Learning, Causal Inference and Reinforcement Learning. Amazon ML Summer School 2024 was held virtually on July- 06,07,13,14, 20,21,27,28.

Date
August 10, 2024

amazon

aws community builders

CERTIFICATE

OF COMPLETION

PRESENTED TO

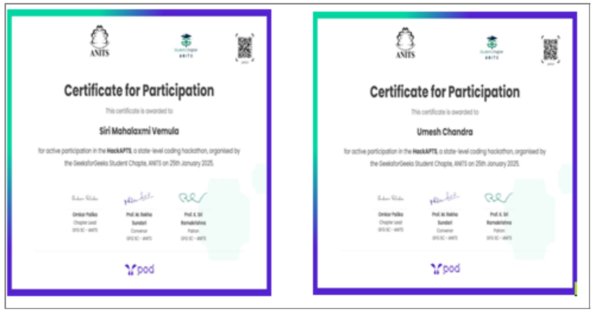
PULAVARTHI MANOJ KUMAR

for successfully completing 7-days Bootcamp on
Learn DevOps for Web Development

SHAURYA SINHA
Co-Founder, DevTown

Machine Learning Certification **Certification from AWS community builders**

FIGURE 2.2.1.16: Sample Student Certifications



ANITS

Certificate for Participation

This certificate is awarded to

Siri Mahalaxmi Vemula

for active participation in the **HackAPTS**, a state-level coding hackathon, organised by the GeeksforGeeks Student Chapte, ANITS on 25th January 2025.

pod

ANITS

Certificate for Participation

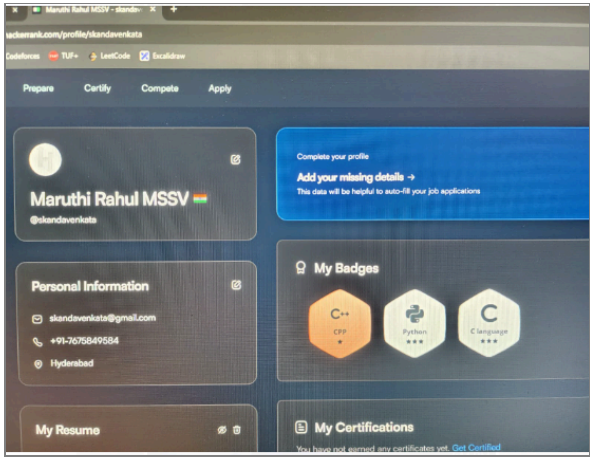
This certificate is awarded to

Umesh Chandra

for active participation in the **HackAPTS**, a state-level coding hackathon, organised by the GeeksforGeeks Student Chapte, ANITS on 25th January 2025.

pod

FIGURE 2.2.1.17: State-Level Hackathon Event Participation



Maruthi Rahul MSSV

@skandavenkata

Complete your profile

Add your missing details →

This data will be helpful to auto-fill your job applications

Personal Information

skandavenkata@gmail.com

+91-7675849584

Hyderabad

You have not earned any certificates yet.

FiGURE 2.2.1.18 HACKERRANK BADGES

IMPACT ANALYSIS OF BRIGHT STUDENTS:

- **Improved coding skills** - Secured coding badges in online coding platforms like HackerRank.
- **Participation in certification courses** – Students have completed various online certification courses from Courseera, wadwani,Udemy.
- **Active participation in various events** – Winners in state-level Hackthon and Neo Codeathon.

D.QUALITY OF CLASSROOM TEACHING:

The faculty adopts various innovative practices to create and improve instruction methods using pedagogical initiatives such as real examples, collaborative learning for students. These methodologies include traditional chalk & talk methods and various ICT Tools. Collaborative learning methods are used where every concept is explained with real world problems and illustrations. The Head of Department regularly visit classes to observe the teaching process and convey their suggestions and appreciations to the faculty members. Figure. 2.2.1.19. shows the snap of classroom ambience. Each classroom is equipped with Projectors, Screens, Board, Notice boards, Boards disseminating POs, PEOs and PSOs.

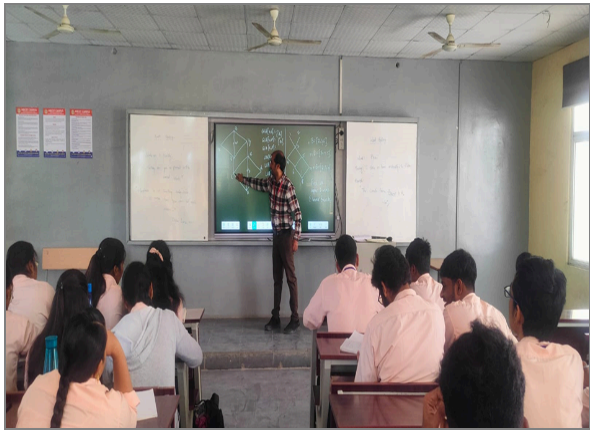


Figure. 2.2.1.19. Classroom Ambience

E.CONDUCTION OF EXPERIMENTS IN LAB

At the beginning of every semester, the required software is installed. Faculty members instruct the students about the Syllabus, Course objectives, Course outcomes, and grading methods and how to debug and test with different inputs of the laboratory course before doing the regular laboratory experiments. For each laboratory, 10-12 experiments are to be conducted in the syllabus. Extra experiments are also conducted beyond the specified list for relevant courses wherever necessary.

Laboratory handling faculty prepares manual for laboratory that includes:

- Course syllabus
- List of Programs
- Additional Programs
- Viva –Voice Question BanK

Laboratory manual explaining the details of the experiment, designing issues are available with the course teacher and are provided to students at the commencement of the semester. These Manuals are checked and verified by Faculty member before the commencement of each semester.

Viva voce is conducted for the students in order to test their knowledge in the experiment. The Laboratory assessment is performed on the basis of rubrics such as, submission of laboratory records, participation in performing the experiment, analysis and interpretation of experiments.Figure 2.2.1.20 shows sample Lab Photos.

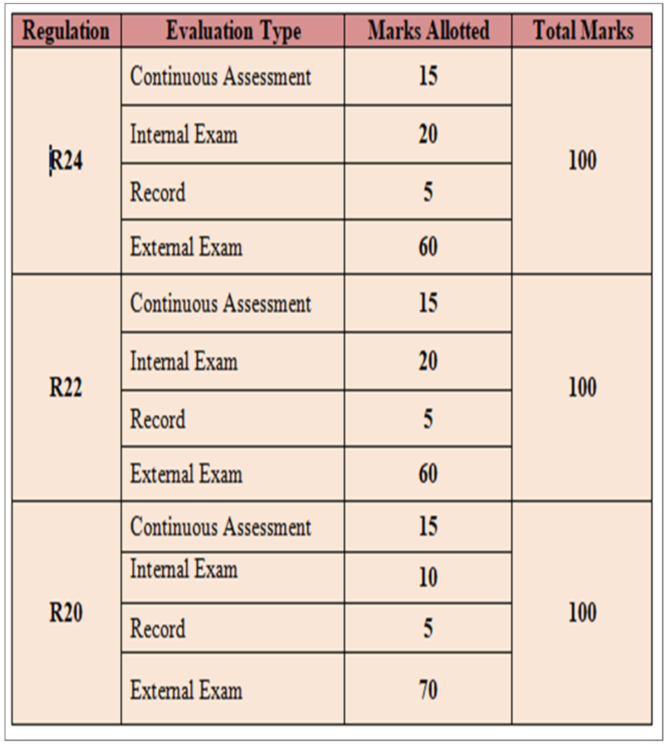
Figure. 2.2.1.20: LAB PHOTOS

MARKS DISTRIBUTION FOR LABORATORY COURSES:

F.CONTINUOUS ASSESSMENT IN THE LABORATORY

Continuous Assessment is divided into two components

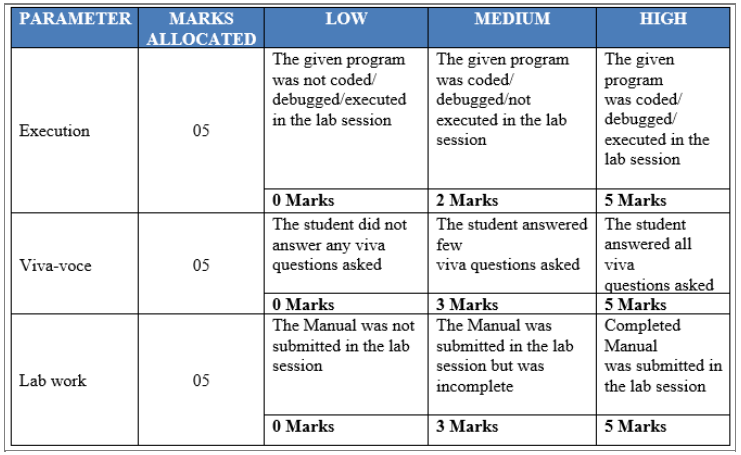
- Evaluation in every lab session is conducted based on predefined rubrics.
- Internal Assessment Test – 2 lab internal exams will be conducted and their average marks will be considered.



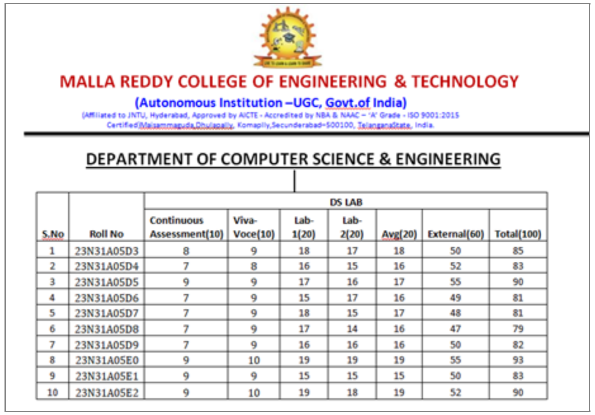
Regulation	Evaluation Type	Marks Allotted	Total Marks
R24	Continuous Assessment	15	100
	Internal Exam	20	
	Record	5	
	External Exam	60	
R22	Continuous Assessment	15	100
	Internal Exam	20	
	Record	5	
	External Exam	60	
R20	Continuous Assessment	15	100
	Internal Exam	10	
	Record	5	
	External Exam	70	

TABLE 2.2.1.5: LAB EVALUATION MARKS

RUBRICS USED FOR CONTINUOUS EVALUATION IN EVERY LAB



PARAMETER	MARKS ALLOCATED	LOW	MEDIUM	HIGH
Execution	05	The given program was not coded/ debugged/executed in the lab session	The given program was coded/ debugged/not executed in the lab session	The given program was coded/ debugged/ executed in the lab session
		0 Marks	**2 Marks**	**5 Marks**
Viva-voce	05	The student did not answer any viva questions asked	The student answered few viva questions asked	The student answered all viva questions asked
		0 Marks	**3 Marks**	**5 Marks**
Lab work	05	The Manual was not submitted in the lab session	The Manual was submitted in the lab session but was incomplete	Completed Manual was submitted in the lab session
		0 Marks	**3 Marks**	**5 Marks**



MALLA REDDY COLLEGE OF ENGINEERING & TECHNOLOGY
(Autonomous Institution –UGC, Govt.of India)
(Affiliated to JNTU, Hyderabad, Approved by AICTE - Accredited by NBA & NAAC – 'A' Grade - ISO 9001:2015
Certified)Maisammaguda,Dhulapally, Komaplly,Secunderabad-500100, TelanganaState, India.

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

S.No	Roll No	DS LAB						
		Continuous Assessment(10)	Viva-Voce(10)	Lab-1(20)	Lab-2(20)	Avg(20)	External(60)	Total(100)
1	23N31A05D3	8	9	18	17	18	50	85
2	23N31A05D4	7	8	16	15	16	52	83
3	23N31A05D5	9	9	17	16	17	55	90
4	23N31A05D6	7	9	15	17	16	49	81
5	23N31A05D7	7	9	18	15	17	48	81
6	23N31A05D8	7	9	17	14	16	47	79
7	23N31A05D9	7	9	16	16	16	50	82
8	23N31A05E0	9	10	19	19	19	55	93
9	23N31A05E1	9	9	15	15	15	50	83
10	23N31A05E2	9	10	19	18	19	52	90

FIGURE 2.2.1.21:SAMPLE LAB MARKS

G.STUDENT FEEDBACK ON TEACHING LEARNING PROCESS AND ACTIONS TAKEN

Student feedback is an integral part of the Teaching Learning Process at MRCET. The department collects feedback from students in various scenarios and forms for effective functioning of the teaching and learning process.

i. FEEDBACK THROUGH CLASS INCHARGES AND MENTORS:

MRCET has an very effective faculty advisory system, through which students are kept in close proximity to the Academics and other Student related activities via the class incharges and Mentors. A semester comprises a minimum of twoclass incharges meetings. During the meeting, the students can convey the difficulties/ suggestions/ requirements to their class incharges or mentors. The class incharges can raise the same to the Head of the Department, through the Class Representative for necessary actions.

ii. FEEDBACK THORUGH CLASS COMMITEE MEETING:

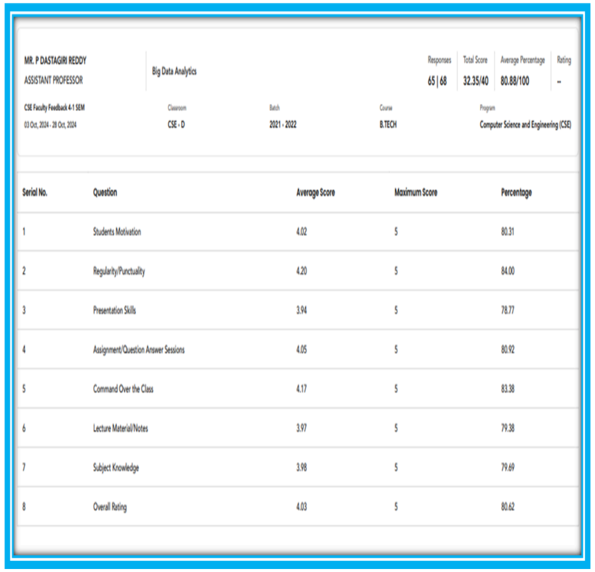
In the class committee meeting, the student representatives composing 4-6 members of the class (Class Representive's and Girls Representives's) participate and freely express their opinion about the courses, academic events, other student events, among others. If the students feel any inconvenience to the subjects and the faculty members, the Head of the Department will take the necessary corrective measures as raised by the class committee chairperson. Feedback is taken from students after mid-I on the effectiveness of teaching and subject learning during the semester via online mode using CAMPX Software . The feedback is summarized and sent to HOD to take necessary action. The HOD will discuss the feedback with faculties and the corrective measures are included by HOD & interaction with senior faculty.

Faculty feedback performance for every course is assessed from the students with various parameters as shown below in Figure 2.2.1.22 through online process:

A broad range of parameters that are used for collecting the feedback data is as given below:

- Students Motivation
- Regularity/Punctuality
- Presentation Skills
- Assignment/Question Answer sessions
- Command over the class
- Lecture Material/Notes
- Subject Knowledge
- Overall Rating

Sample Feedback analysis for CSE



MR. P DASTAGIRI REDDY
ASSISTANT PROFESSOR

Big Data Analytics

Responses	Total Score	Average Percentage	Rating
65 | 68	32.35/40	80.88/100	--

CSE Faculty Feedback 4-1 SEM
03 Oct, 2024 - 28 Oct, 2024

Classroom	Batch	Course	Program
CSE - D	2021 - 2022	B.TECH	Computer Science and Engineering (CSE)

Serial No.	Question	Average Score	Maximum Score	Percentage
1	Students Motivation	4.02	5	80.31
2	Regularity/Punctuality	4.20	5	84.00
3	Presentation Skills	3.94	5	78.77
4	Assignment/Question Answer Sessions	4.05	5	80.92
5	Command Over the Class	4.17	5	83.38
6	Lecture Material/Notes	3.97	5	79.38
7	Subject Knowledge	3.98	5	79.69
8	Overall Rating	4.03	5	80.62

FIGURE 2.2.1.22: FACULTY FEEDBACK FORMAT

2.2.2 Quality of end semester examination, internal semester question papers, assignments and evaluation (15)

Institute Marks : 15.00

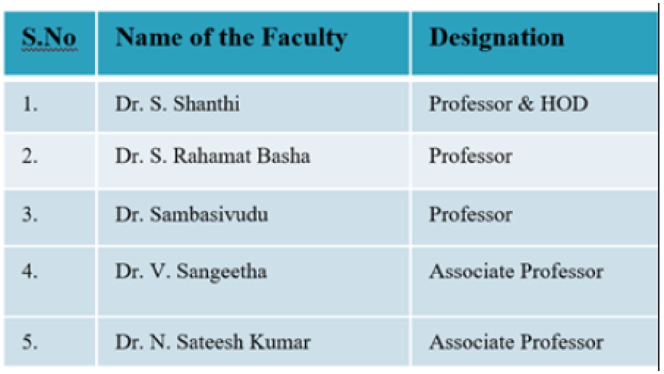
QUALITY OF END SEMESTER EXAMINATION,INTERNAL SEMESTER QUESTION PAPERS,ASSIGNMENTS AND EVALUATION:

A.PROCESS FOR INTERNAL SEMESTER QUESTION PAPER SETTING AND EVALUATION AND EFFECTIVE PROCESS IMPLEMENTATION

A.1 INTERNAL SEMESTER QUESTION PAPER SETTING:

To ensure the quality of question papers, the Department Examination committe is formed with Head of the Department and Senior faculty members. Table 2.2.2.1 shows the members of the committee

TABLE 2.2.2.1 DEC COMMITTEE MEMBERS



S.No	Name of the Faculty	Designation
1.	Dr. S. Shanthi	Professor & HOD
2.	Dr. S. Rahamat Basha	Professor
3.	Dr. Sambasivudu	Professor
4.	Dr. V. Sangeetha	Associate Professor
5.	Dr. N. Sateesh Kumar	Associate Professor

Every course has a course coordinator responsible for setting of question paper.Question paper will be prepared one week before the exam schedule by the course coordinator based on the syllabus announced to students which is 2.5 units.Duration of each exam is 2 hours.All tests are conducted adhering to academic calendar.

Department Examination Committee prepares the question paper by selecting questions from the question bank.Each question in the paper is mapped against the COs and Bloom’s taxonomy levels in each subject.After preparation of the question paper, Head of the department reviews the paper to ensure coverage of outcomes and learning levels. If any need for improvement, it is intimated to course coordinator. After approval, the paper is sent to controller of Examinations.Key will be prepared by the Concerned course coordinator which helps in improving the quality of evaluation.The concerned subject faculty will evaluate the answer scripts. The marks obtained by students in each question will be used to map Course Outcomes with the supporting Program Outcomes and Program Specific Outcomes to calculate final attainment in respect to each course.For all theoretical courses, there shall be two mid examinations held in each semester. The first midterm examination will be conducted for the first two and half units of the syllabus, and the second midterm examination will cover the remaining two and half units of the syllabus.The average marks secured from I & II mid-term tests shall be the final mid-term marks.Preparation of Question paper is shown below as figure 2.2.2.1.

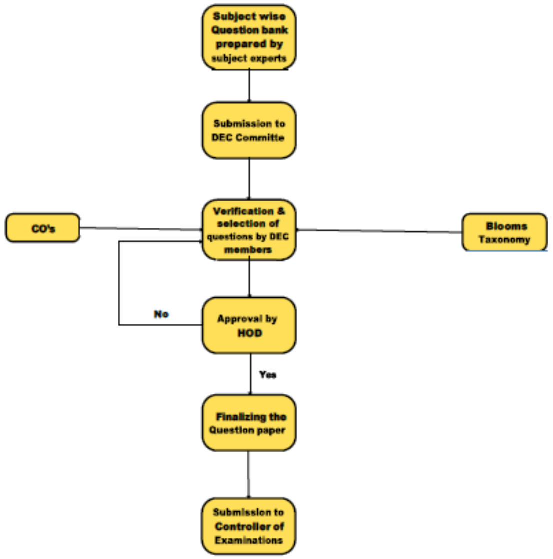

Subject wise Question bank prepared by subject experts
Submission to DEC Committe
CO's
Verification & selection of questions by DEC members
Blooms Taxonomy
No
Approval by HOD
Yes
Finalizing the Question paper
Submission to Controller of Examinations

FIGURE 2.2.2.1 PROCESS FOR PREPARATION OF INTERNAL QUESTION PAPER

Faculty handling the subject prepares a list of questions following **Bloom's Taxonomy** and keeping in view course outcomes of that particular subject.Course coordinator examines the question bank submitted and verifies the compliance with the COs of the course and with the POs the course is mapped and approves the question bank and forwards it to the approval of the DEC Members and Head of the department.The Head of the department verifies the question bank based on the course outcome assessment and attainment plan. In case the requirements are not met, the course coordinator is asked to initiate the changes to be done in the question bank.The process is repeated until the question bank is approved by both DEC members and Head of the department.The Quality of the Internal Semester Question Papers is ensured by the following process as shown below in figure 2.2.2.2.

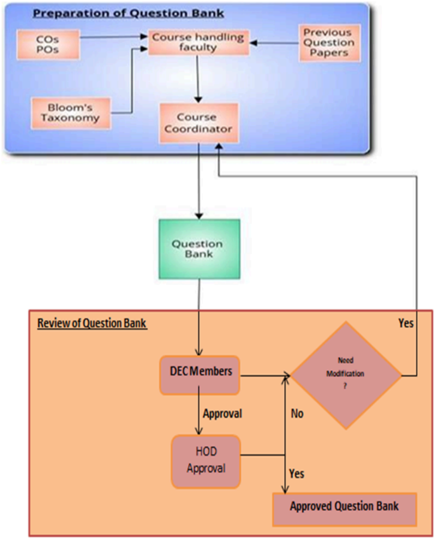


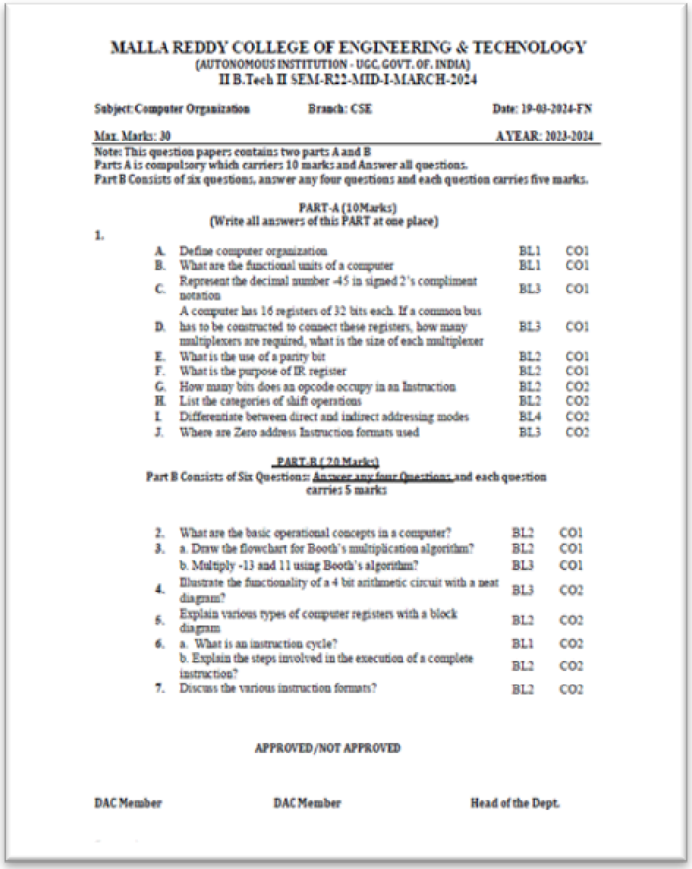
FIGURE 2.2.2.2 PROCESS FOR PREPARATION OF QUESTION BANK

A.2 RUBRICS FOR MID INTERNAL EXAMINATION PAPER:

The detailed rubrics of mid examination question papers is as shown in Table 2.2.2.2. and Figure 2.2.2.3 shows sample mid paper

Table 2.2.2.2: Rubrics of mid examination

Theory Courses Mid Evaluation Pattern [R20 Regulation]		
Part - A	Any four questions out of six questions – 6 marks each (choice)	24 marks
Total Marks		**24 marks**
Theory Courses Mid Evaluation Pattern [R22 Regulation]		
Part - A	Ten questions of - 1marks each (mandatory, no choice)	10 marks
Part - B	Any four questions out of six questions – 5 marks each (choice)	20 marks
Total Marks		**30 marks**



MALLA REDDY COLLEGE OF ENGINEERING & TECHNOLOGY
(AUTONOMOUS INSTITUTION - UGC, GOVT. OF. INDIA)
II B.Tech II SEM-R22-MID-I-MARCH-2024

Subject: Computer Organization **Branch: CSE** **Date: 19-03-2024-FN**

Max. Marks: 30 **A.YEAR: 2023-2024**

Note: This question papers contains two parts A and B
Parts A is compulsory which carriers 10 marks and Answer all questions.
Part B Consists of six questions, answer any four questions and each question carries five marks.

PART-A (10Marks)
(Write all answers of this PART at one place)

1.

A.	Define computer organization	BL1	CO1
B.	What are the functional units of a computer	BL1	CO1
C.	Represent the decimal number -45 in signed 2's compliment notation	BL3	CO1
D.	A computer has 16 registers of 32 bits each. If a common bus has to be constructed to connect these registers, how many multiplexers are required, what is the size of each multiplexer	BL3	CO1
E.	What is the use of a parity bit	BL2	CO1
F.	What is the purpose of IR register	BL2	CO1
G.	How many bits does an opcode occupy in an Instruction	BL2	CO2
H.	List the categories of shift operations	BL2	CO2
I.	Differentiate between direct and indirect addressing modes	BL4	CO2
J.	Where are Zero address Instruction formats used	BL3	CO2

PART-B (20 Marks)
Part B Consists of Six Questions: Answer any four Questions and each question carries 5 marks

2.	What are the basic operational concepts in a computer?	BL2	CO1
3.	a. Draw the flowchart for Booth's multiplication algorithm?	BL2	CO1
	b. Multiply -13 and 11 using Booth's algorithm?	BL3	CO1
4.	Illustrate the functionality of a 4 bit arithmetic circuit with a neat diagram?	BL3	CO2
5.	Explain various types of computer registers with a block diagram	BL2	CO2
6.	a. What is an instruction cycle?	BL1	CO2
	b. Explain the steps involved in the execution of a complete instruction?	BL2	CO2
7.	Discuss the various instruction formats?	BL2	CO2

APPROVED/NOT APPROVED

DAC Member **DAC Member** **Head of the Dept.**

FIGURE 2.2.2.3 SAMPLE INTERNAL PAPER

A.3 EVALUATION METHOD FOR INTERNAL EXAMINATION

For each theory course, the Continuous Internal Assessment(CIA) shall be conducted by the faculty handling the course. Distribution of marks for R20, R22 and R24 regulation is shown in Table 2.2.2.3

Table 2.2.2.3: Marks Distribution

R20 REGULATION

Type of Exam	Name of the Module	Marks Allotted	Total Marks

Internal	**Subjective**	**24 Marks**	**100 Marks**
	Assignment/Seminar	**6 Marks**	
External	**Subjective**	**70 Marks**	

R22 REGULATION

Type of Exam	Name of the Module	Marks Allotted	Total Marks
Internal	Subjective	30 Marks	100 Marks
	Assignment/Seminar/ Case study/subject viva-voce	10 Marks	
External	Subjective	60 Marks	

R24 REGULATION

Type of Exam	Name of the assessment	Marks Allotted	Total Marks
Internal	Subjective	30 Marks	100 Marks
	Assignment/Seminar/ Case study/subject viva-voce	10 Marks	
External	Subjective	60 Marks	

For theory subjects, during a semester there shall be 2 mid-term examinations.

- **R20 Regulation** :Each mid- term examination consists of Part – A for with a total duration of 2 hours as follows:

  Mid_Term Examination for 24 marks:

  a. **Part - A:** Descriptive paper for 24 marks.

  Assignment is awarded 06 marks and a total of 30 marks for internal.

- **R22 Regulation :** Each mid- term examination consists of Part – A and Part – B for with a total duration of 2 hours as follows:

  Mid_Term Examination for 30 marks:

a. **Part - A:** Objective/quiz paper for 10 marks.

b. **Part – B:** Descriptive paper for 20 marks.

- The remaining 10 marks of Continuous Internal Assessment (out of 40) are distributed for Assignment/Subject Viva-Voce/Seminar/Case Study on a topic in the concerned subject.
- The first Assignment should be submitted before the conduct of the first mid- examination, and the second Assignment should be submitted before the conduct of the second mid examination.
- The first mid-term examination shall be conducted from 1 to 2.5 units of the syllabus, the second mid-term examination shall be conducted from the remaining units.
- The total marks secured by the student in each mid-term examination are evaluated for 24/30[R20/R22] marks and the average of the two mid-term examinations shall be taken as the final marks secured by each candidate.
- However, if any student is absent/scoring internal marks less than 35% in any subject of a mid-term examination he/she will be given a chance to write the internal exam once again after he/she re-registering for the internal exam in the concerned subject and paying stipulated fees as per the norms.
- The performance of a student in each semester shall be evaluated subject-wise for a maximum of 100 marks for a theory and 100 marks for a practical subject.
- For theory subjects the distribution shall be 30/40[R20/R22] marks for Internal Evaluation and 70/60[R20/R22] marks for the End-Examination.

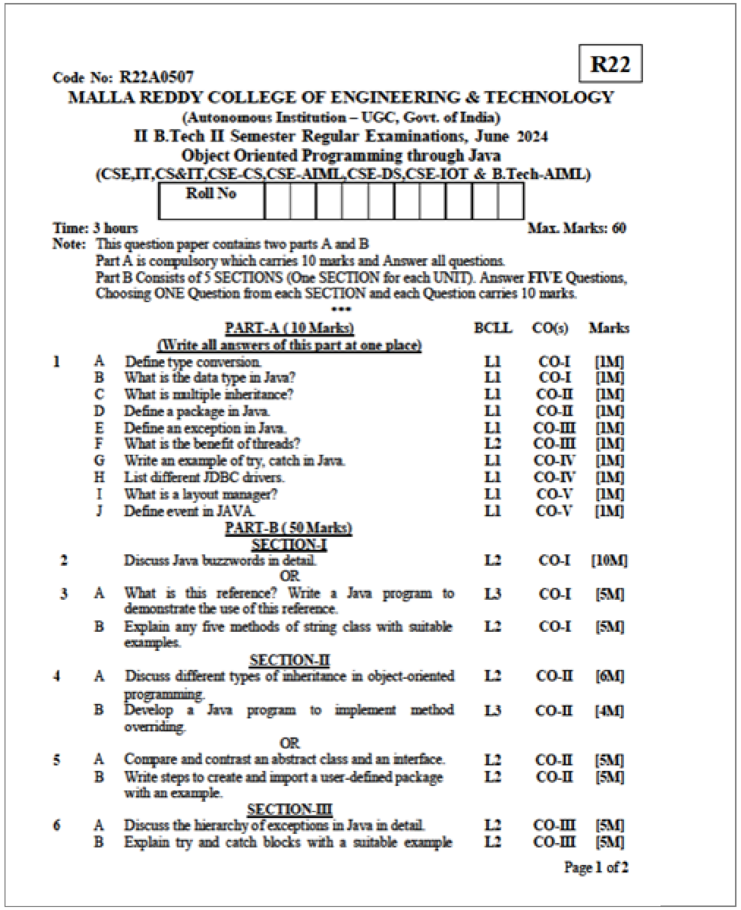
A.4 PROCESS OF QUESTION PAPER SETTING FOR END SEMESTER EXAMINATION:

The syllabus for the theory courses shall be divided into five units and each unit carries equal weightage in terms of marks distribution.

- The End semester Exam shall be conducted for 3 hours duration.
- Two sets of question papers from external faculty are to be set and the request is sent from Controller of Examination along with the subject syllabus.
- Every course has a panel of examiners i.e question Paper Setters including subject experts with a vast experience of 10 years working in any university college or university provided by the department.
- Question Paper Setter has to prepare the 2-sets of Question Paper according to the BLOOMs Taxonomy and see to that every unit is covered.
- The subject expert from the Department will verify the question paper on the day of exam and prepares the scheme to evaluate the answer scripts.
- The external Valuators identified from other colleges carry out the evaluation at the institute and submit the marks to the exam branch.
- Two full questions with ‘either’ ‘or’ choice will be drawn from each unit.
- There could be a maximum of two to three subdivisions in a question.

- The emphasis on the questions is broadly based on the analytical skills and application skills of the course.

Sample External Question paper is given in figure 2.2.2.4



R22

Code No: R22A0507

MALLA REDDY COLLEGE OF ENGINEERING & TECHNOLOGY
(Autonomous Institution – UGC, Govt. of India)
II B.Tech II Semester Regular Examinations, June 2024
Object Oriented Programming through Java
(CSE,IT,CS&IT,CSE-CS,CSE-AIML,CSE-DS,CSE-IOT & B.Tech-AIML)

Roll No

Time: 3 hours Max. Marks: 60

Note: This question paper contains two parts A and B
Part A is compulsory which carries 10 marks and Answer all questions.
Part B Consists of 5 SECTIONS (One SECTION for each UNIT). Answer FIVE Questions, Choosing ONE Question from each SECTION and each Question carries 10 marks.

***

PART-A (10 Marks)
(Write all answers of this part at one place)

			BCLL	CO(s)	Marks
1	A	Define type conversion.	L1	CO-I	[1M]
	B	What is the data type in Java?	L1	CO-I	[1M]
	C	What is multiple inheritance?	L1	CO-II	[1M]
	D	Define a package in Java.	L1	CO-II	[1M]
	E	Define an exception in Java.	L1	CO-III	[1M]
	F	What is the benefit of threads?	L2	CO-III	[1M]
	G	Write an example of try, catch in Java.	L1	CO-IV	[1M]
	H	List different JDBC drivers.	L1	CO-IV	[1M]
	I	What is a layout manager?	L1	CO-V	[1M]
	J	Define event in JAVA.	L1	CO-V	[1M]

PART-B (50 Marks)

SECTION-I

			BCLL	CO(s)	Marks
2		Discuss Java buzzwords in detail.	L2	CO-I	[10M]
		OR			
3	A	What is this reference? Write a Java program to demonstrate the use of this reference.	L3	CO-I	[5M]
	B	Explain any five methods of string class with suitable examples.	L2	CO-I	[5M]

SECTION-II

			BCLL	CO(s)	Marks
4	A	Discuss different types of inheritance in object-oriented programming.	L2	CO-II	[6M]
	B	Develop a Java program to implement method overriding.	L3	CO-II	[4M]
		OR			
5	A	Compare and contrast an abstract class and an interface.	L2	CO-II	[5M]
	B	Write steps to create and import a user-defined package with an example.	L2	CO-II	[5M]

SECTION-III

			BCLL	CO(s)	Marks
6	A	Discuss the hierarchy of exceptions in Java in detail.	L2	CO-III	[5M]
	B	Explain try and catch blocks with a suitable example	L2	CO-III	[5M]

Page 1 of 2

Figure 2.2.2.4 Sample External Question paper R22 Regulation

A.5 EVALUATION METHOD FOR EXTERNAL EXAMINATION

Regulation	Type of Exam	Marks Allotted
R20	External	70 Marks
R22	External	60 Marks
R24	External	60 Marks

R20 REGULATION:

Question paper Consists of 5 Sections and student need to answer five Questions, Choosing ONE Question from each section with an OR choice and each Question carries 14 marks and maximum marks of 70 marks.

R22 REGULATION:

Question paper contains two parts A and B. Part A is compulsory which carries 10 marks and Answer all questions. Part B Consists of 5 SECTIONS (One SECTION for each UNIT) and students need to answer five Questions, Choosing ONE Question from each SECTION and each Question carries 10 marks and maximum marks of 60 Marks.

B.PROCESS TO ENSURE QUESTIONS FROM OUTCOMES/LEARNING LEVELS PERSPECTIVE

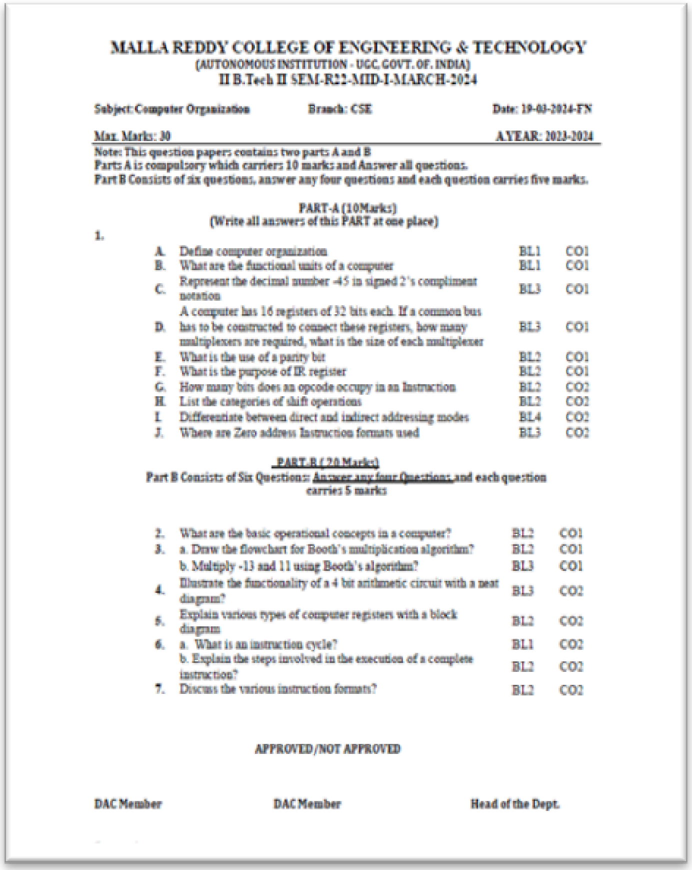
- During the finalization of question paper the course coordinator ensures the following:
- Each question is satisfying at least one course outcome.
- Each question in the internal examination is mapped against the COs and Bloom’s taxonomy levels in each subject. The marks obtained by each student in the respective COs for each internal assessment component is given much importance and CO-PO attainment is calculated based on the same. For each of the courses, various assessments as proposed in the evaluation schemes ensures that all the COs are equally covered in the assessments.
- The mid examination -I covers a minimum of three course outcomes (CO1 ,CO2,CO3) and mid examination-II covers the other three COs CO3, CO4 and CO5 respectively,assignments / other components / end semester covering all COs, laboratory experiments covering corresponding COs.
- The Department Examination committee functioning in the department ensures the outcome as well as learning level coverage based on the reports from course coordinator. The external question papers are audited by external experts from reputed institutions appointed by the Controller of Examination. The feedback as well as the shortfall identified will be forwarded to the concerned faculty incharges.
- Pattern of question paper should be satisfied as per Table 2.2.2.3 & Table 2.2.2.4.
- Blooms Level for each question varies from 1 to 5 (Remember, Understand, Apply, Analyze, Evaluate etc.). The courses pertaining to problem solving and designing incorporate blooms level 3, 4 & 5, whereas theoretical courses covers a Blooms Level of 1, 2 & 3.

C.EVIDENCE OF CO’S COVERAGE IN MID EXAMINATION

Based on the Student attempt and marks secured, attainment is calculated for each question separately and then average of each CO attainment is calculated. Then finally contribution of CO towards PO & PSO attainment is calculated. And same will be filed in course file.Table 2.2.2.4 explains the coverage of COs in mid examination.

Table 2.2.2.4:COs covered in mid examination

S.No	Examination	CO's Covered	PO's & PSO's mapped
1	Mid-1	CO-1,CO-2,CO-3	Depends on course
2	Mid-2	CO-3,CO-4,CO-5	



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II B.Tech II SEM-R22-MID-I-MARCH-2024

Subject: Computer Organization **Branch: CSE** **Date: 19-03-2024-FN**

Max. Marks: 30 **A.YEAR: 2023-2024**

Note: This question papers contains two parts A and B
Parts A is compulsory which carriers 10 marks and Answer all questions.
Part B Consists of six questions, answer any four questions and each question carries five marks.

PART-A (10Marks)
(Write all answers of this PART at one place)

1.

A.	Define computer organization	BL1	CO1
B.	What are the functional units of a computer	BL1	CO1
C.	Represent the decimal number -45 in signed 2's compliment notation	BL3	CO1
D.	A computer has 16 registers of 32 bits each. If a common bus has to be constructed to connect these registers, how many multiplexers are required, what is the size of each multiplexer	BL3	CO1
E.	What is the use of a parity bit	BL2	CO1
F.	What is the purpose of IR register	BL2	CO1
G.	How many bits does an opcode occupy in an Instruction	BL2	CO2
H.	List the categories of shift operations	BL2	CO2
I.	Differentiate between direct and indirect addressing modes	BL4	CO2
J.	Where are Zero address Instruction formats used	BL3	CO2

PART-B (20 Marks)
Part B Consists of Six Questions: Answer any four Questions and each question carries 5 marks

2.	What are the basic operational concepts in a computer?	BL2	CO1
3.	a. Draw the flowchart for Booth's multiplication algorithm?	BL2	CO1
	b. Multiply -13 and 11 using Booth's algorithm?	BL3	CO1
4.	Illustrate the functionality of a 4 bit arithmetic circuit with a neat diagram?	BL3	CO2
5.	Explain various types of computer registers with a block diagram	BL2	CO2
6.	a. What is an instruction cycle?	BL1	CO2
	b. Explain the steps involved in the execution of a complete instruction?	BL2	CO2
7.	Discuss the various instruction formats?	BL2	CO2

APPROVED/NOT APPROVED

DAC Member **DAC Member** **Head of the Dept.**

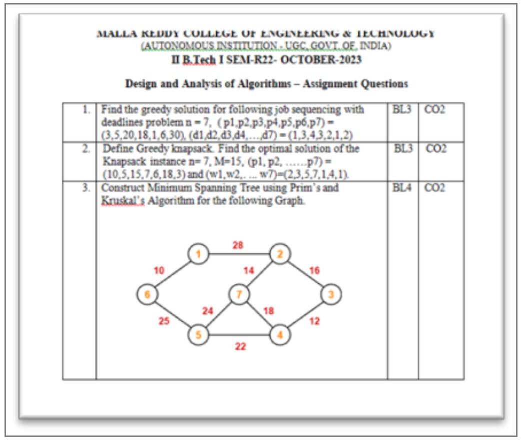
FIGURE 2.2.2.3 SAMPLE INTERNAL PAPER

D. QUALITY OF ASSIGNMENT AND ITS RELEVANCE TO CO'S

Assignments are an integral part of the continuous assessment process to ensure that students learning and thinking levels at various grounds including design thinking, problem solving, project development, among others. Similar to the sessional and end semester examinations, assignments are also prepared adhering to the CO, PO/PSO and Bloom's taxonomy. The course handling faculty decides the deadline for the assignments submission and informs the students. The submitted assignments are evaluated adhering to the standard rubrics.The concerned course coordinator informs the schedule of the assignments to students well in advance.

Two assignments are given for each course in a semester. 06 marks are allotted to assignments for all the theory courses on a basis of two assignments per course (6 marks each). Assignment 1 is generally designed to cover the first two and half units of the course which in turn maps with CO1 , CO2 and CO3. Whereas, Assignment 2 is designed to cover the units 3, 4 and 5, which in turn maps with CO3, CO4 and CO5.Sample Assignment is shown in figure 2.2.2.5

Based on the Student attempt and marks secured in each CO of assignment, attainment is calculated for each question separately and then average of each CO attainment is calculated. Then finally contribution of CO towards PO attainment is calculated. The assignments are designed to facilitate/enhance the student capability towards reading reference books and explore the answers, presentation skills, research attitude, use of e-resources etc.



MALLA REDDY COLLEGE OF ENGINEERING & TECHNOLOGY
(AUTONOMOUS INSTITUTION - UGC, GOVT. OF. INDIA)
II B.Tech I SEM-R22- OCTOBER-2023

Design and Analysis of Algorithms – Assignment Questions

1.	Find the greedy solution for following job sequencing with deadlines problem n = 7, (p1,p2,p3,p4,p5,p6,p7) = (3,5,20,18,1,6,30), (d1,d2,d3,d4,….,d7) = (1,3,4,3,2,1,2)	BL3	CO2
2.	Define Greedy knapsack. Find the optimal solution of the Knapsack instance n= 7, M=15, (p1, p2, ……p7) = (10,5,15,7,6,18,3) and (w1,w2,. ... w7)=(2,3,5,7,1,4,1).	BL3	CO2
3.	Construct Minimum Spanning Tree using Prim's and Kruskal's Algorithm for the following Graph.	BL4	CO2

FIGURE 2.2.2.5 SAMPLE ASSIGNMENT QUESTIONS

2.2.3 Quality of student projects (20)

Institute Marks : 20.00

QUALITY OF STUDENT PROJECTS:

Undergraduate program in Computer Science & Engineering has five projects, Industry Oriented Project in II Year II Sem, Application Development –I in III Year I Sem, Application Development –II in III Year II Sem and mini project in IV Year I Semester and major project in IV Year II Semester as per R20 and R22 Regulations.A student shall carry out the project work under the supervision of a member of the faculty or may undertake to execute the project in collaboration with an Industry, R&D organization or another academic institution/University where sufficient facilities exist to carry out the project work.

A.IDENTIFICATION OF PROJECTS AND ALLOCATION METHODOLOGY TO FACULTY MEMBERS:

The Head of the Department, Project Coordinator & Faculty educates students with different verticals, domains and areas. The Head of the Department will give Guidelines for the project issued for the students. The project coordinator advises the class in charges to form a group of 2 to 4 members and identify the project area or title. The list of faculty members and their specialization area will be displayed in the department notice board. Head of the department along with project coordinator depending upon the faculty specialization, allocate the guides for project team.

The students approach the guide and discuss their ideas. Project coordinator along with guides finalizes the project titles and abstract. Teams are informed to submit the synopsis with presentation. If any corrections, the project team should modify and resubmit the synopsis. Project evaluation is made in four phases. The Project co-coordinator will frame panel for each phase which will review the progress of the projects. The project Supervisor and coordinator gives suggestions to students from time to time that they need to incorporate before the submission of final report.

As per the academic calendar, in the presence of Project Review Committee (PRC) which includes the HOD, Project Coordinator, Project Supervisor and one internal senior faculty member for scrutinizing the topic related to the discipline. Finally, PRC approves the topic for carrying the project forward to the next level. Project Review Committee is constituted and Internal Reviews are organized as per Project rubrics.

The head of the department will approve the project. The processes of student project evaluation is carried as shown in figure 2.2.3.1

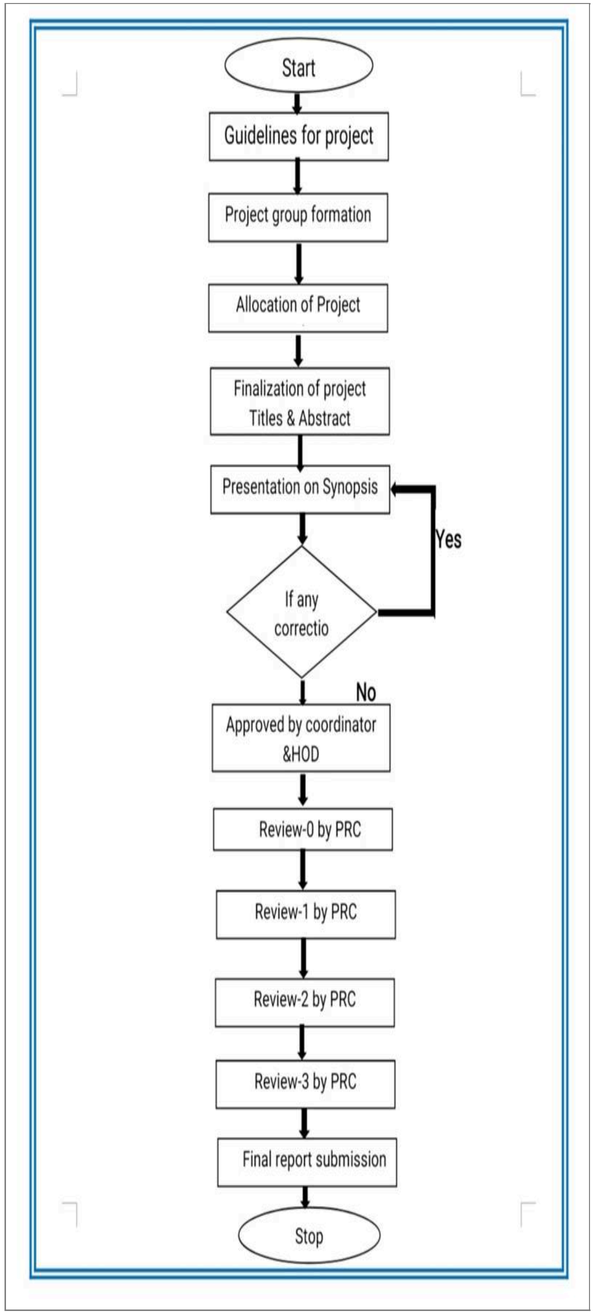


Figure 2.2.3.1 Project Evaluation Process

Faculty are with significant experience and expertise in the core areas of Computer Science & Engineering such as Machine Learning, IoT, Artificial Intelligence, Network Security, Image Processing in addition to the minor areas such as Mobile Application Development, Web Application Development etc with a proven track record in academics and research. Mini and major projects are allotted to guide based on their expertise.

The list of faculty members and their specialization area will be displayed in the department notice board in the table 2.2.3.1.

Table 2.2.3.1 Faculty mapping for project allotment

S.No	Area of Specialization	Faculty Members	Designation
1	Artificial Intelligence	DR.S.SHANTHI	Professor
		DR. V. SANGEETHA	Associate Professor
		Dr.G. RAVI	Associate Professor
		DR. M. GAYATRI	Associate Professor
		D. RADHA	Assistant Professor
		M. SANDEEP	Assistant Professor
		MANOJ KUMAR GOTTIMUKKULA	Assistant Professor
		C S N DURGHA	Assistant Professor
		P. HONEY DIANA	Assistant Professor
		A. BICHAMMA	Assistant Professor
		SUNKARI SHEKAR	Assistant Professor
		V. SUNEETHA	Assistant Professor
2	Big Data Analytics	DR. MADADI VIJAYAKAMAL	Professor
		DR.M.JAYAPAL	Associate Professor
		DR. S. RAHAMAT BASHA	Associate Professor
		DR. P.HARIKRISHNA	Associate Professor
		N. SIVA KUMAR	Assistant Professor
		BOKKA PAVANI	Assistant Professor
		P. DASTAGIRI REDDY	Assistant Professor
		SANDEEP AGARWALLA	Assistant Professor
		KANDA CHANDUSHA	Assistant Professor
		MAHENDAR JINUKALA	Assistant Professor
		BATTU RAMESH	Assistant Professor
		BALA VEERAVATNAM	Assistant Professor

3	Block chain Technology	DR.G.SHARADA	Professor
		DR. M. SAMBASIVUDU	Associate Professor
		DR. THOTA SIVA RATNA SAI	Associate Professor
		AGNISHA MANDAVA	Assistant Professor
		KOLLURI RAVINDER	Assistant Professor
		SAI ESWARI DUTTA	Assistant Professor
		TANGIRALA PADMAJA	Assistant Professor
		SRINIVAS PALAJEESAM	Assistant Professor
		SHIVAGOUNI ARCHANA	Assistant Professor
		D.CHANDRASEKHAR REDDY	Assistant Professor
		ABDUL SALEEM L	Assistant Professor
		MUGGU NAGA SIVA GANGADHAR	Assistant Professor
4	Cloud Computing	Dr. IDIMADAKALA NAGARAJU	Professor
		DR. B. PRIYANKA	Associate Professor
		DR. V.L. PADMALATHA	Associate Professor
		Dr. SATHEESH KUMAR NAGINENI	Associate Professor
		R CHANDRA SHEKHAR	Assistant Professor
		T.SHILPA	Assistant Professor
		P.V.NARESH	Assistant Professor
		TUMMAL SRINIDHI	Assistant Professor
		A. JAYASREE	Assistant Professor
		T JAGADEESH KUMAR	Assistant Professor

5	Machine Learning & Deep Learning	DR. DANDU SUJATHA	Professor
		DR. K. SURESH	Professor
		DR. AVH SAI PRASAD	Associate Professor
		DR. LAIPHANGBAM MELINDA	Associate Professor
		M. VAZRALU	Assistant Professor
		UMAMAHESWARARAO INKOLLU	Assistant Professor
		K. SWETHA	Assistant Professor
		P. HARI KRISHNA	Assistant Professor
		PRAMEELA.N	Assistant Professor
		HIMAKIRAN P ANDREWS	Assistant Professor
		SHAIK RIYAZ	Assistant Professor
6	Image Processing	DR. A. MUMMOORTHY	Professor
		Dr. GADAMSEETY NANDA KISHORE KUMAR	Associate Professor
		DR. BALASANI VENKATA RAMUDU	Associate Professor
		DR.VISHWANATH REDDY SINGIREDDY	Associate Professor
		DOLU VENU GOPAL	Assistant Professor
		R. SUJATHA	Assistant Professor
		B. ARUNA KUMARI	Assistant Professor
		P.SWETHA	Assistant Professor
		N. BHARATHI	Assistant Professor
		VAMSHI KRISHNA G	Assistant Professor
		KATTA SANTHI PRIYA	Assistant Professor
		KUNDURU NIROSHA	Assistant Professor
		M.VENU	Assistant Professor

7	Internet of Things	DR. KADAINTI SRIKANTH	Professor
		Dr. M. NARENDRA	Associate Professor
		DR. RAJESHWAR RAO KODIPAKA	Associate Professor
		DR.NARIKKALPATTI KUPPANA GOUNDER KUPPUCHAMY	Associate Professor
		SRINIVAS PALAJEESAM	Assistant Professor
		DHANDYALA AKHILA	Assistant Professor
		GANESH BEEMANAPALLI	Assistant Professor
		B.SWAPNA LATHA	Assistant Professor
		SUNIL BOLLAM	Assistant Professor
		SHAILAJA LAXMI PALAKURTHI	Assistant Professor
8	Computer Network & Network Security	DR. LAKSHMI NAGA JAYAPRADA G	Professor
		DR. P. DILEEP	Professor
		DR. P VINAY BHUSHAN	Associate Professor
		DR. LAKSHMAN AAREPU	Associate Professor
		AGNISHA MANDAVA	Assistant Professor
		KOLLURI RAVINDER	Assistant Professor
		SAI ESWARI DUTTA	Assistant Professor
		TANGIRALA PADMAJA	Assistant Professor
		VENKATA RAMANAMMA THATHI REDDY	Assistant Professor
		RAJESH CHAKKA	Assistant Professor
		B. SREE SARANYA	Assistant Professor
		V. SHILPA	Assistant Professor

B. TYPES AND RELEVANCE OF THE PROJECTS AND THEIR CONTRIBUTION TOWARDS ATTAINMENT OF POs and PSOs

Department encourages on undertaking relevant, achievable, time bound projects that attempt to solve recent technology in Computer Science & Engineering. Project coordinator lists the types of projects on the basis of Environment, Safety, Ethics, and category of project i.e. whether it is application based, Product Development based or Research based projects.

Students are generally advised to carry out projects in Department / Industry /research organization related to core area in line with department mission, vision and Program outcomes. Each project is evaluated with internal marks and graded with their quality and contribution towards attainment of POs and PSOs. Also, they are advised to carry out project in batches to inculcate leadership skills, team spirit and better communication skills. The students are also motivated to publish/exhibit their work.

The below table 2.2.3.2, 2.2.3.3, 2.2.3,4 gives a list of few student projects of 2022-2023, 2023-2024 and 2024-2025.

Table 2.2.3.2: Sample List of few of student major projects

Academic Year	Roll no	Project Title	Project type	Environment	Ethics	Safety	Supported POs	Supported PSOs
2023-2024	20N31A0503	Brain Tumor Identification Using CNN	research				PO1,PO2,PO3,PO4,PO9,PO10,PO11,PO12	PSO1,PSO2,PSO3
	20N31A0527							
	20N31A0536							
	20N31A0541	Water Quality Prediction	research	√		√	PO1,PO2,PO3,PO4,PO9,PO10,PO11,PO12	PSO1,PSO2,PSO3
	20N31A0516							
	20N31A0520							
	20N31A0589	Human emotion recognition using Machine Learning	research		√		PO1,PO2,PO3,PO4,PO9,PO10,PO11,PO12	PSO1,PSO2,PSO3
	20N31A0596							
	20N31A0591							
2022-2023	19N31A0560	Multi disease prediction system using machine learning	research	√	√	√	PO1,PO2,PO3,PO4,PO9,PO10,PO11,PO12	PSO1,PSO2,PSO3
	19N31A0524							
	20N35A0501							
	19N31A05E2	Hospital fraud detection using Machine Learning	research		√		PO1,PO2,PO3,PO4,PO9,PO10,PO11,PO12	PSO1,PSO2,PSO3
	19N31A05H1							
	19N31A05J0							
	19N31A05P8	Attendance system using face recognition	research	√	√	√	PO1,PO2,PO3,PO4,PO9,PO10,PO11,PO12	PSO1,PSO2,PSO3
	19N31A05M3							
	17N31A05Q1							

Table 2.2.3.3: Sample List of few of student mini projects

Academic Year	Roll no	Project Title	Project type	Environment	Ethics	Safety	Supported POs	Supported PSOs
2024-2025	22N31A0554	Crop Monitoring Using Machine Learning	research	√			PO1,PO2,PO3,PO4,PO9,PO10,PO11,PO12	PSO1,PSO2,PSO3
	22N31A0518							
	23N35A0504							
	22N31A05A7	Predicting loan default using machine learning	research				PO1,PO2,PO3,PO4,PO9,PO10,PO11,PO12	PSO1,PSO2,PSO3
	22N31A05A9							
	23N35A0509							
	22N31A05C8	Drought Prediction and Forecasting System Using M Learning Algorithms	research	√			PO1,PO2,PO3,PO4,PO9,PO10,PO11,PO12	PSO1,PSO2,PSO3
	22N31A05A6							
	22N31A0579							
2023-2024	20N31A0514	News Article summarizer using NLTK.	research		√		PO1,PO2,PO3,PO4,PO9,PO10,PO11,PO12	PSO1,PSO2,PSO3
	20N31A0553							
	20N31A0526							
	20N31A0504	Thyroid detection with CNN	research		√	√	PO1,PO2,PO3,PO4,PO9,PO10,PO11,PO12	PSO1,PSO2,PSO3
	20N31A0511							
	20N31A0502							
	20N31A0588	Sentiment Analysis using NLP	research		√		PO1,PO2,PO3,PO4,PO9,PO10,PO11,PO12	PSO1,PSO2,PSO3
	20N31A0589							
	20N31A0590							

2022-2023	19N31A0544	Stock price prediction	research				PO1,PO2,PO3,PO4,PO9,PO10,PO11,PO12	PSO1,PSO2,PSO3
	19N31A0503							
	19N31A0522							
	19N31A0583	Human Emotion Recognition using deep learning	research		√		PO1,PO2,PO3,PO4,PO9,PO10,PO11,PO12	PSO1,PSO2,PSO3
	19N31A0580							
	19N31A0594							
	19N31A05E9	Alzheimer Disease prediction using Machine Learning Algorithm	research				PO1,PO2,PO3,PO4,PO9,PO10,PO11,PO12	PSO1,PSO2,PSO3
	19N31A05E0							
	19N31A05F1							

Table 2.2.3.4: Sample List of few of Application Development I/II

Academic Year	Roll no	Project Title	Project type	Environment	Ethics	Safety	Supported POs	Supported PSOs
2023-2024	21N31A0502	Smart health consulting android system	application			√	PO1,PO2,PO3,PO6,PO7,PO8,PO9,PO10,PO11,PO12	PSO1,PSO2,PSO3
	22N35A0505							
	21N31A0556							
	21N31A0530	Voice translator	application	√	√		PO1,PO2,PO3,PO6,PO7,PO8,PO9,PO10,PO11,PO12	PSO1,PSO2,PSO3
	21N31A0514							
	21N31A0554							
	21N31A05A9	Face Recognition and Attendance System	application	√			PO1,PO2,PO3,PO6,PO7,PO8,PO9,PO10,PO11,PO12	PSO1,PSO2,PSO3
	21N31A05C3							
	21N31A05B3							
2022-2023	20N31A05B1	Woman Safety App	application			√	PO1,PO2,PO3,PO6,PO7,PO8,PO9,PO10,PO11,PO12	PSO1,PSO2,PSO3
	20N31A05B7							
	20N31A0576	QRcode generator	application			√	PO1,PO2,PO3,PO6,PO7,PO8,PO9,PO10,PO11,PO12	PSO1,PSO2,PSO3
	20N31A05A2							
	20N31A0524	Medicine Remainder App	application			√	PO1,PO2,PO3,PO6,PO7,PO8,PO9,PO10,PO11,PO12	PSO1,PSO2,PSO3

CO mapping with PO and PSO in detail for Mini Project/Major Project/Application Development/IOP

Students shall take a Mini Project/Major Project/Application Development/IOP during their Semester for 3 credits as per R20/R22 regulations. Mini Project/Major Project/Application Development/IOP Course Outcomes are given below.

The Table 2.2.3.5 gives CO mapping with PO and PSO in detail of mini /major project/application development/IOP.

Major Project COs

After the completion of the course the students were able to:

CO.1: Demonstrate the ability to apply advanced knowledge and skills in the execution of a major project.

CO.2: Develop innovative solutions that address complex problems using appropriate technologies.

CO.3: Collaborate effectively within a team to achieve project goals and enhance collective outcomes.

CO.4: Manage a large-scale project effectively, adhering to timelines and project plans.

CO.5: Present project outcomes professionally, with comprehensive documentation and effective communication.

Mini Project COs

After the completion of the course the students were able to:

CO.1: Apply theoretical knowledge to solve practical problems in a mini project setting.

CO.2: Design and implement a small-scale project using appropriate software engineering practices.

CO.3: Demonstrate the ability to work effectively as part of a team.

CO.4: Utilize various tools and technologies to develop a functional software product.

CO.5: Produce well-documented technical reports and present project findings effectively.

Application Development COs

After the completion of the course the students were able to:

CO.1: Design and develop functional mobile or web applications using modern tools and frameworks.

CO.2: Apply best practices in UX/UI design to create user-friendly interfaces.

CO.3: Deploy applications on relevant platforms and manage their lifecycle.

CO.4: Demonstrate the ability to troubleshoot and improve application performance.

CO.5: Showcase innovative ideas in application development through creative projects.

Industry Oriented Project COs

After the completion of the course the students were able to:

CO.1: Apply academic knowledge to real-world industrial problems through project work.

CO.2: Plan, execute, and manage projects in accordance with industry standards and practices.

CO.3: Demonstrate the ability to adapt to industrial work environments and challenges.

CO.4: Collaborate effectively with industry professionals and peers in project development.

CO.5: Present industrial project outcomes with professional documentation and communication.

Table 2.2.3.5 gives major project /mini project/Application Development/IOP CO mapping with PO and PSO in detail

Major Project Mapping

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	3	3	3	3	3	3	-	-	3	3	3	3	3	3	3
CO2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
CO3	-	2	-	-	-	-	3	-	2	2	2	-	2	2	-
CO4	3	3	3	3	3	3	3	-	3	3	3	3	3	3	-
CO5	-	2	2	-	-	3	3	3	3	3	3	-	2	2	3

Mini Project Mapping

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	3	3	3	2	3	3	-	-	3	2	2	3	3	3	2
CO2	3	3	3	3	3	3	-	-	3	3	3	3	3	3	3
CO3	-	2	-	-	-	-	3	-	3	3	3	-	2	2	-
CO4	3	3	3	3	3	3	-	-	3	3	3	3	3	3	2
CO5	-	2	2	-	-	3	3	3	3	3	3	-	2	2	3

Application Development Mapping

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	3	3	3	3	3	3	-	-	3	3	3	3	3	3	3
CO2	3	3	3	2	3	3	-	3	3	3	3	2	2	3	2
CO3	3	3	3	3	3	3	-	-	3	3	3	3	3	3	2
CO4	3	3	3	3	3	3	-	-	3	3	3	3	3	3	2

CO 5	**3**	**3**	**3**	**2**	**3**	**3**	**-**	**2**	**3**	**3**	**3**	**3**	**3**	**3**	**3**
IOP Mapping															
	PO 1	**PO 2**	**PO3**	**PO4**	**PO5**	**PO6**	**PO7**	**PO 8**	**PO 9**	**PO10**	**PO11**	**PO1 2**	**PSO1**	**PSO 2**	**PSO 3**
CO 1	**3**	**3**	**3**	**2**	**3**	**3**	**-**	**-**	**3**	**3**	**2**	**3**	**3**	**3**	**3**
CO 2	**3**	**3**	**3**	**3**	**3**	**3**	**-**	**-**	**3**	**3**	**3**	**3**	**3**	**3**	**3**
CO 3	**3**	**2**	**3**	**3**	**2**	**2**	**3**	**3**	**2**	**2**	**3**	**3**	**2**	**2**	**2**
CO 4	**2**	**2**	**2**	**-**	**-**	**2**	**3**	**-**	**3**	**3**	**3**	**2**	**2**	**2**	**3**
CO 5	**2**	**2**	**2**	**-**	**-**	**3**	**3**	**3**	**3**	**3**	**3**	**2**	**2**	**3**	**2**

C.PROJECT RELATED TO INDUSTRY:

Students are encouraged to carry out their project outside the campus (i.e.) preferably in Industries. If the students do their project in industries, they could get exposure to real time problems faced by the industries. Also, the students can utilize the opportunity to undergo such kind of real time projects. Further, the relationship between the industries and the institute is enhanced. It could be a chance for the students to get placement in the same companies after completing their degree. A sample list of Industry projects under projects of various batches listed below. Number of students who have taken up project as internship in industry for the academic year 2022-2023,2023-2024 and 2024-2025 are shown in table 2.2.3.6 and industry internship students' details are shown in Table 2.2.3.7.

Table 2.2.3.6 Number of Students Involved in Projects related to Industry

S.No	**Academic Year**	**Total No .of Industry**	**No. of students involved**
1	2024-2025	11	30
2	2023-2024	12	43
3	2022-2023	9	29

Table 2.2.3.7 Details of some Student Projects related to industry

Academic Year	Roll No	Industry	Title
2024-2025	21N31A0542	Weblink Solutions	Website Development cum Digital Marketing Intern
	21N31A05R1	Archaeo byte	Full stack Development Internship
	21N31A0502	Cognizant	Full stack Development
2023-2024	22N31A05F0	Younity	Business Development Specialist Internship
	22N31A0510	Pantech Solutions	Canva Blueprint
	23N35A0518	Aizant	Project Trainee Program
2022-2023	19N31A0515	Macro Webber	Social Media Intern
	19N31A0581	Gradient Technologies Pvt Ltd	Software Intern
	23N35A0516	Ambest Technologies	Industrial Training

PROCESS FOR MONITORING AND EVALUATION:

Process of Monitoring

The progress of a project is monitored by the Project Supervisor on weekly basis and they have to report the updates to the respective Project Supervisor every weekend. All project team should submit the final synopsis to the guide, the project guides gives suggestions towards the improvement of project. The Project co-coordinator will frame panel for each phase which will review the progress of the projects. Student wise assessment is made in each phase. The project guide, coordinator along with head of the department will evaluate the project work. Project evaluation based on working principle of methodology, design, demonstration and viva. Monitoring of project work will be done for both Odd and Even semesters. The project Supervisor and coordinator gives suggestions to students from time to time that they need to incorporate before the submission of final report. Project evaluation is made in four reviews based on rubrics. The table 2.2.3.8 gives the process of project work.

Table 2.2.3.8 gives the process of project work

Schedule	Task	Details
Semester		
1stweek	Call for project batch	Students are in for med to form their batch.
2nd week	Guide allotment.	Guide allotment based on the domain and expertise.
3rd week	Call for Project titles with Abstract submission	Students are instructed to submit the title with abstract.
4th week	Presentation of Synopsis	Presentations are reviewed by a Project coordinator ,Head of the department and senior faculty along with Guide
5th week	Review 1	Review of requirement by guide and Coordinator
8th week	Review 2	Project coordinator, Head of the department and senior faculty along with guide will review the requirements and Design of the project.
10th week	Review 3	Review of progress regarding implementation & validation by guide and Coordinator
13th week	Review 4	ReviewofTestingofprojectwithcompletepresentation&Demonstrationbya Projectcoordinator, Head of the department and senior faculty along with Guide.
15th week	Report submission	Submission of the final report duly signed by the guide, HOD, and Principal.

PROCESS OF EVALUATION:

The project work and the report will be evaluated by guide, coordinator and head of the department in both ODD and Even semesters of year. The table 2.2.3.9 gives the evaluation of project work. Internal Assessment is carried for 30 Marks and End Semester Assessment is done by External Examiners for 70 Marks.The process for reviews are as follows:

Table 2.2.3.9 gives the evaluation of project work

Review #	Agenda	Assessment	Review Assessment Weightage	Overall Weightage
Review 1	Project Title abstract, existing system and proposed system	Rubric R1	(30)	(30)
Review 2	Model Design	Rubric R2	(30)	
Review 3	Module	Rubric R3	(30)	
Review 4	Implementation	Rubric R4	(30)	
External Evaluation			(70)	(70)
Total			(100)	(100)

INTERNAL EVALUATION[CIE]

Rubrics for assessment of mini project are made available for the students in the beginning of the semester. Average marks of four reviews will be calculated for 30 marks and awarded by the guide for the quality of report are taken to award the final CIE marks. Rubrics for internal reviews/ assessment, evaluation by the guide and distribution of marks are given in Table 2.2.3.10.

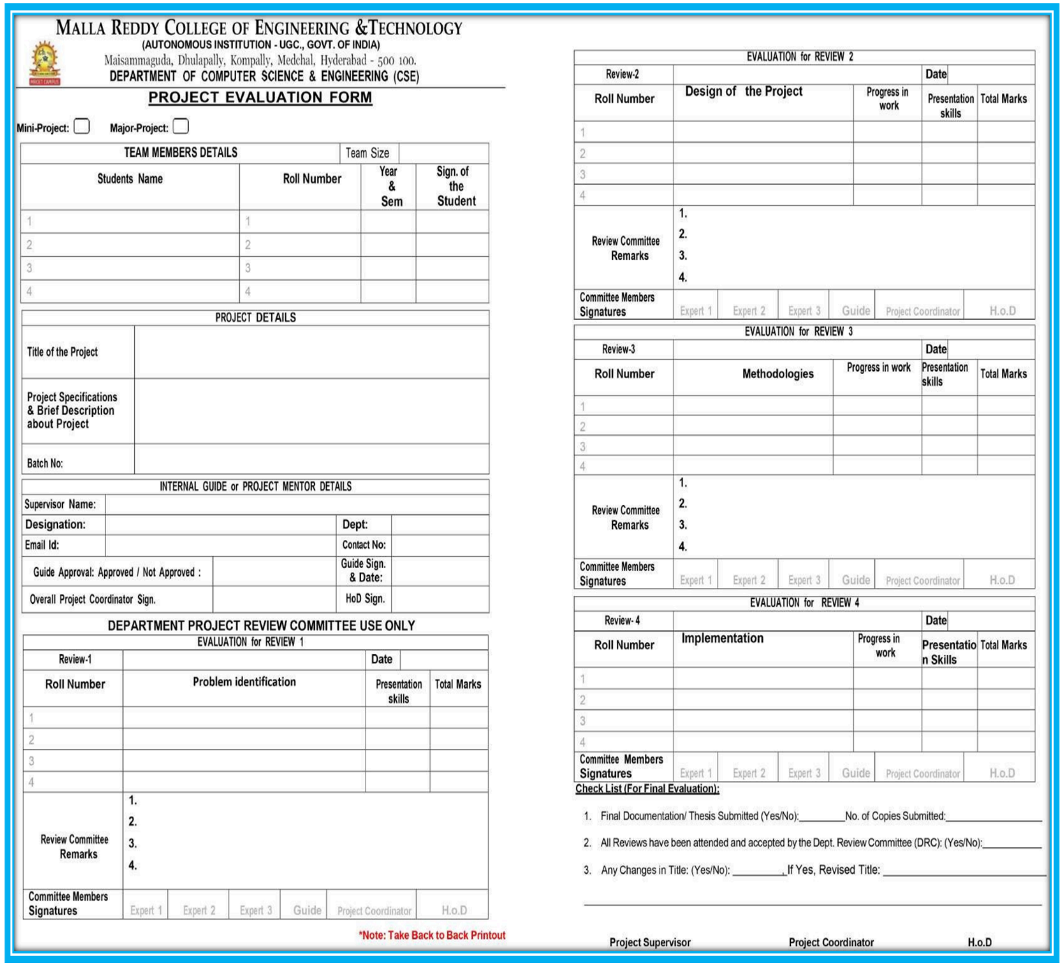
Table 2.2.3.10 Internal Evaluation

Review No	Category	Excellent (25-30)	Very Good (20-25)	Good (15-20)	Average (10-15)	Poor (0-10)	POs and PSOs
Review1	**Problem identification**	Identifying the Problems in the selected domain Problem statement well defined	Identifying the Problems in the selected domain Problem statement has slight changes	Identifying the Problems in the selected domain Problem statement has few changes	Identifying the Problems in the selected domain Problem statement has major changes	Identifying the Problems in the selected domain Problem statement should be modified	PO1, PO2, PO4, PO7, PO8, PO9, PO10, PO11, PO12 and PSO1 ,PSO3
Review 2	**Design of the Project**	Conceptual design, Division of problem into modules, Selection of design framework Properly Followed& Properly implemented	Conceptual design, Division of problem into modules, Selection of design framework Properly Followed &implemented partly	Conceptual design, Division of problem into modules, Selection of design framework Properly followed& Not implemented	Conceptual design, Division of problem into modules, Selection of design framework Partially Followed and Partially implemented	Conceptual design, Division of problem into modules, Selection of design framework Partially followed and Not implemented	PO3, PO7, PO8, PO9, PO10, PO11, PO12 and PSO1 ,PSO3
Review 3	**Methodologies**	The Particular Method/ Technique involved been adopted Methodology Properly followed &justified	The Particular Method/ Technique involved been adopted Methodology Properly followed &Justified partly	The Particular Method/ Technique involved been adopted Methodology Properly followed& Not Justified	The Particular Method/ Technique involved been adopted Methodology Partially followed and Partially Justified	The Particular Method/ Technique involved been adopted Methodology Partially followed and Not justified	PO5, , PO7, PO8, PO9, PO10, PO11, PO12 and PSO2

Review 4	**Implementation**	Executing project as per work plan. Project implementation is complete	Executing project as per work plan. Project implementation is complete with few bugs	Executing project as per work plan. Project implementation is complete with few issues	Executing project as per work plan. One module features developed is not complete	Executing project as per work plan. Most of the features are not yet complete.	PO6, PO7, PO8, PO9, PO10, PO11, PO12 and PSO3

sample assessment project Evaluation sheets are given in Figure 2.2.3.2 , Figure 2.2.3.3 respectively.

Figure 2.2.3.2 sample assessment sheets



MALLA REDDY COLLEGE OF ENGINEERING &TECHNOLOGY
(AUTONOMOUS INSTITUTION - UGC., GOVT. OF INDIA)
Maisammaguda, Dhulapally, Kompally, Medchal, Hyderabad - 500 100.
DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING (CSE)

PROJECT EVALUATION FORM

Mini-Project: ☐ Major-Project: ☐

TEAM MEMBERS DETAILS		Team Size	
Students Name	Roll Number	Year & Sem	Sign. of the Student
1	1		
2	2		
3	3		
4	4		

PROJECT DETAILS	
Title of the Project	
Project Specifications & Brief Description about Project	
Batch No:	

INTERNAL GUIDE or PROJECT MENTOR DETAILS			
Supervisor Name:			
Designation:		Dept:	
Email Id:		Contact No:	
Guide Approval: Approved / Not Approved :		Guide Sign. & Date:	
Overall Project Coordinator Sign.		HoD Sign.	

DEPARTMENT PROJECT REVIEW COMMITTEE USE ONLY

EVALUATION for REVIEW 1			
Review-1		Date	
Roll Number	Problem identification	Presentation skills	Total Marks
1			
2			
3			
4			
Review Committee Remarks	1. 2. 3. 4.		

Committee Members Signatures	Expert 1	Expert 2	Expert 3	Guide	Project Coordinator	H.o.D

*Note: Take Back to Back Printout

EVALUATION for REVIEW 2				
Review-2			Date	
Roll Number	Design of the Project	Progress in work	Presentation skills	Total Marks
1				
2				
3				
4				
Review Committee Remarks	1. 2. 3. 4.			

Committee Members Signatures	Expert 1	Expert 2	Expert 3	Guide	Project Coordinator	H.o.D

EVALUATION for REVIEW 3				
Review-3			Date	
Roll Number	Methodologies	Progress in work	Presentation skills	Total Marks
1				
2				
3				
4				
Review Committee Remarks	1. 2. 3. 4.			

Committee Members Signatures	Expert 1	Expert 2	Expert 3	Guide	Project Coordinator	H.o.D

EVALUATION for REVIEW 4				
Review- 4			Date	
Roll Number	Implementation	Progress in work	Presentation Skills	Total Marks
1				
2				
3				
4				

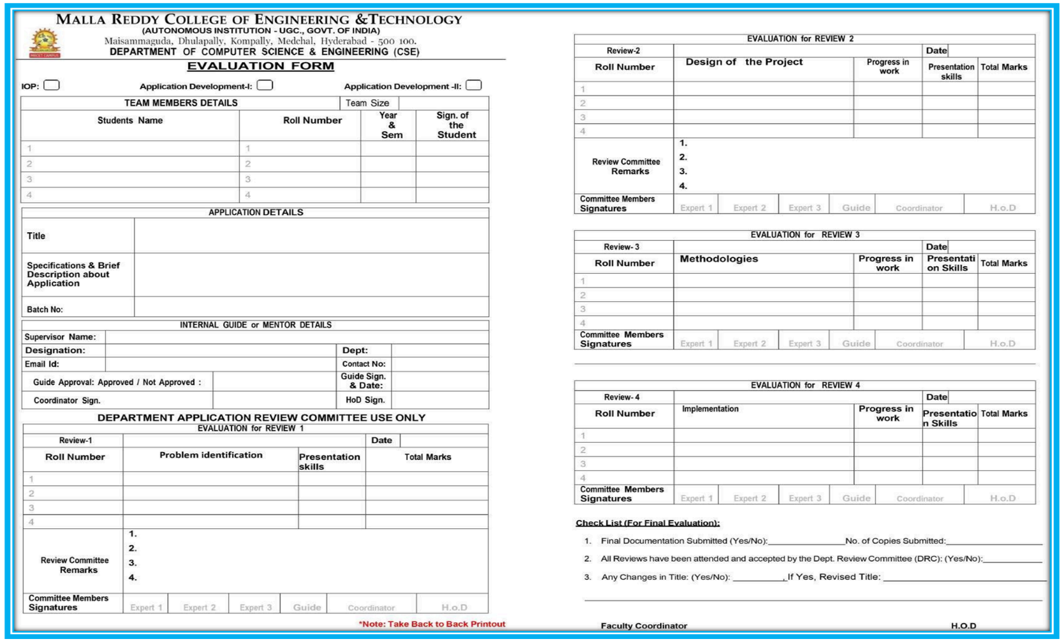
Committee Members Signatures	Expert 1	Expert 2	Expert 3	Guide	Project Coordinator	H.o.D

Check List (For Final Evaluation):

1. Final Documentation/ Thesis Submitted (Yes/No):________No. of Copies Submitted:________________
2. All Reviews have been attended and accepted by the Dept. Review Committee (DRC): (Yes/No):___________
3. Any Changes in Title: (Yes/No): _________, If Yes, Revised Title: ______________________________

Project Supervisor Project Coordinator H.o.D

Figure 2.2.3.3 sample assessment sheets



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EVALUATION FORM

IOP: ☐ Application Development-I: ☐ Application Development -II: ☐

TEAM MEMBERS DETAILS		Team Size	
Students Name	Roll Number	Year & Sem	Sign. of the Student
1	1		
2	2		
3	3		
4	4		

APPLICATION DETAILS	
Title	
Specifications & Brief Description about Application	
Batch No:	

INTERNAL GUIDE or MENTOR DETAILS			
Supervisor Name:			
Designation:		Dept:	
Email Id:		Contact No:	
Guide Approval: Approved / Not Approved :		Guide Sign. & Date:	
Coordinator Sign.		HoD Sign.	

DEPARTMENT APPLICATION REVIEW COMMITTEE USE ONLY

EVALUATION for REVIEW 1			
Review-1		Date	
Roll Number	Problem identification	Presentation skills	Total Marks
1			
2			
3			
4			
Review Committee Remarks	1. 2. 3. 4.		

Committee Members Signatures	Expert 1	Expert 2	Expert 3	Guide	Coordinator	H.o.D

*Note: Take Back to Back Printout

EVALUATION for REVIEW 2				
Review-2			Date	
Roll Number	Design of the Project	Progress in work	Presentation skills	Total Marks
1				
2				
3				
4				
Review Committee Remarks	1. 2. 3. 4.			

Committee Members Signatures	Expert 1	Expert 2	Expert 3	Guide	Coordinator	H.o.D

EVALUATION for REVIEW 3				
Review- 3			Date	
Roll Number	Methodologies	Progress in work	Presentation Skills	Total Marks
1				
2				
3				
4				

Committee Members Signatures	Expert 1	Expert 2	Expert 3	Guide	Coordinator	H.o.D

EVALUATION for REVIEW 4				
Review- 4			Date	
Roll Number	Implementation	Progress in work	Presentation Skills	Total Marks
1				
2				
3				
4				

Committee Members Signatures	Expert 1	Expert 2	Expert 3	Guide	Coordinator	H.o.D

Check List (For Final Evaluation):

1. Final Documentation Submitted (Yes/No):_______________No. of Copies Submitted:________________
2. All Reviews have been attended and accepted by the Dept. Review Committee (DRC): (Yes/No):____________
3. Any Changes in Title: (Yes/No): __________, If Yes, Revised Title: __________________________

Faculty Coordinator H.O.D

EXTERNAL EVALUATION:

The Final Projects are evaluated by External examiners as appointed by the university. The external examiner is from other affiliated college. The examiners conduct viva-voce examination for the students. The project teams will come forward and defend the carried out project work. Based on the performance in viva-voce examination, final marks are awarded to the students that are sent to university. The table 2.2.2.11 shows external evaluation rubric process.

Table 2.2.2.11 shows external evaluation rubric process

Performance Criteria	Excellent	Good	Satisfactory	Poor
Novelty in the project (10%)	Project idea is very creative and original. Problem/purpose very creative or original with new and innovative ideas. Explored original topics and discovered new outcomes.	Creativity and originality in project ideas. Problem/purpose fairly original or creative. Design/approach appropriate or innovative.	Idea of the project is Somewhat creative and original. Problem/purpose limited in originality and creativity. Design/approach only marginally appropriate or innovative.	Lack of Creativity and originality in project ideas. Problem/purpose lacked creativity or was not new. Duplication of previous work.
Module Description (30%)	Excellent design and implementation. Meets all functional requirements;	Satisfactory, flexible design meeting all functional requirements; Accounts for several important constraints	Acceptable design that meets most functional requirements; Implementation mostly bug-free; Takes some account of some Key constraints;	Implementation seems buggy; Little or no attention paid
Implementation & Result(40%)	All defined objectives are achieved. Each module worked well and properly demonstrated.	All defined objectives are achieved. Each module worked well and not properly demonstrated.	Some of the defined objectives are achieved. Each module partially worked well and not properly Demonstrated.	Defined objectives are not achieved. Each module is not working well and demonstrated poorly.

Project Report (10%)	Report is well organized and clearly written. Plagiarism check (using a software) is less than 80%	Report is organized and clearly written for the most part. Plagiarism check (using a software) is less than 60%	Report is organized, but in some areas, it is difficult to follow the flow of ideas. Originality scores more than 40% and less than60%	Report lacks an overall organization. Reader has to make considerable effort to understand the underlying logic and flow of ideas. Originality is lessthan40%
Viva Voce (10%)	Presentation are appropriate and well-arranged Answers to questions are strengthened by rationalization and explanation.	Presentations are appropriate, but not well arranged. Satisfactory presentation. Can answer Questions.	Presentations are not appropriate, not well arranged. Can answer basic questions only.	Presentations are not appropriate, not well arranged. Poor delivery. Cannot answer questions.

E. PROCESS TO ASSESS INDIVIDUAL AND TEAM PERFORMANCE

During the course of project work each student must present a power point presentation about their role and their contribution in their project work during the review. The project guide must ensure the students gain the insights of the objectives and meets requirements of the project, if anything beyond is essential it will be communicated to HOD.

Objectives of the project work carried will be attained with the following:

- Day to day work done by the students.
- Partial/Full completion of the project
- The students" presentation and demonstration
- Results and documentation.

After the completion of the each project review, the comments/suggestion/evaluation results are informed to the students as a feedback of their work done and to improve the same.As per the academic calendar prescribed by the university, the final project review will be conducted. External examiner will be nominated from affiliated university. Internal Examiner, project guide and external examiner will conduct the final review.

The Individual and team performance is assessed in the project work based on the following. Evaluation is carried out based on various criteria such as.

a. Problem Formulation
b. Planning
c. Technical skills

d. Communication
e. Presentation
f. Documentation
g. Team work
h. Group participation
i. Peer review
j. Societal or environmental issues
k. Individual Roles and Responsibilities

Evaluation is carried out on individual basis as well as on team performance. At the end of the academic year, students present and demonstrate their work to the external and internal examiners appointed from the university. The assessment will be done based on the below rubrics.

F.QUALITY OF COMPLETED PROJECTS/ WORKING PROTOTYPES

All the projects will be examined by the project coordinator and project guide, and the team of internal and external experts will be formed by the Head of the department to ensure the quality of project in terms of IEEE standards, design constraints along with environment, safety, ethics, cost and sustainability consideration and outcomes. The list of best project are shown in the below table 2.2.3.12.

Table 2.2.3.12 List of Sample Best Major/Minor/Application Development Projects

Academic Year	Project/ Application Development	Roll no	Project Title	POs	PSOs
2023-2024	Major Project	20N31A0574 20N31A0587 20N31A0566	Detecting Plagiarism For Text and Image	PO1,PO2,PO3,PO4,PO9,PO10,PO11, PO12	PSO1,PSO2,PSO3
2023-2024	Mini Project	20N31A0621 20N31A0622 20N31A0623	Alerting System for Cab drivers using Open CV and DLib	PO1,PO2,PO3,PO4,PO9,PO10,PO11, PO12	PSO1,PSO2,PSO3
2023-2024	Application Development-I	21N31A05E2 21N31A05E8 21N31A05H6	Virtual Drag And Drop	PO1,PO2,PO3,PO6,PO7,PO8,PO9,PO10, PO11,PO12	PSO1,PSO2,PSO3
2023-2024	Application Development-II	21N31A05A1 21N31A0574 21N31A0590	Jarvis AI Desktop Assistant	PO1,PO2,PO3,PO6,PO7,PO8,PO9,PO10, PO11,PO12	PSO1,PSO2,PSO3
2022-2023	Major Project	19N31A05D4 19N31A05H4 19N31A05H7	Detection of Cyber Bulling on Social Media	PO1,PO2,PO3,PO4,PO9,PO10,PO11,PO12	PSO1,PSO2,PSO3
2022-2023	Mini Project	19N31A05G4 19N31A05H2 20N31A0518	Bitcoin price prediction using Arima	PO1,PO2,PO3,PO4,PO9,PO10,PO11,PO12	PSO1,PSO2,PSO3
2022-2023	Application Development-I	20N31A0576 20N31A05A2	Qrcode generator	PO1,PO2,PO3,PO6,PO7,PO8,PO9,PO10, PO11,PO12	PSO1,PSO2,PSO3
2022-2023	Application Development-II	20N31A05D5 20N31A05D6	Face Recognition Attendance System	PO1,PO2,PO3,PO6,PO7,PO8,PO9,PO10, PO11,PO12	PSO1,PSO2,PSO3

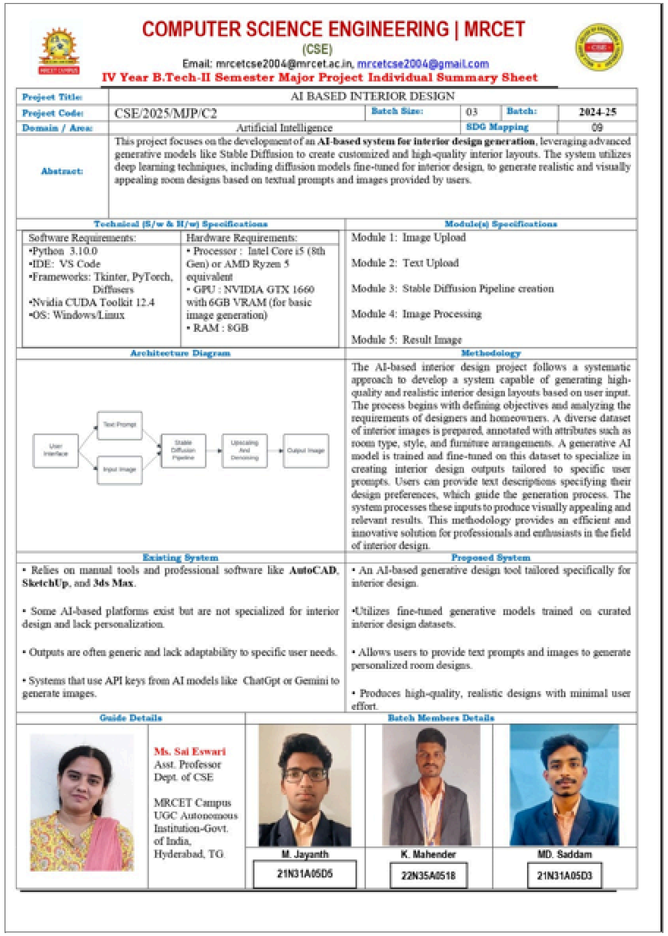
G. EVIDENCES OF PAPERS PUBLISHED / AWARDS RECEIVED BY PROJECTS ETC

The students are encouraged to publish their innovative works in the national and international conferences, Journals etc.The list of Publications are shown in the below table 2.2.3.13.

Table 2.2.3.13 EVIDENCES OF PAPERS PUBLISHED AY 2023-2024

S.No	Name of Students	Title	Conference Name / Journal Name
1	VVNS Taruni,Tanvi Tummapudi	Insulin Dosage Prediciton And Health Recommendation System Using Machine Learning	IRJMETS
2	Rohitha Rajamahendravarapu, Mahesh Veeraboina, Sai Teja Thirunagari	E-Pilots: A System To Predict Hard Landing During The Approach Phase Of Commercial Flights	IRJMETS
3	V Sai Sanjana,R Somanath,P Varalaxmi	Sleep Apnea Detection Using Machine Learning Algorithms	IRJMETS
4	Patlolla Deeksha Reddy,Sthalam Sai Charan,Sammeta Yashwanth Naidu	Unmasking Digital Deception: Detecting Deepfakes Through Deep Learning	IRJMETS
5	Pranav Nyavanandi,Vemulapally Jyotsna,Ratnavath Sony	Analysis And Classification Of Pathology Digital Images Using Deep Learning	IRJMETS
6	Talla Dhanusri,Anil Varma,NIthish Reddy,Shyam Tarun	Visual Fall Detection And Analysis Through Computer Vision	IRJMETS
7	Thangellapally Akhila,Vadla Karthik,Puli Hemanth Rao	Fruit Disease Detection And Prevention Using Generative Adversarial Networks	IRJMETS
8	V Nandi Vardhan Reddy,P Ajaykumar,S Priyatham Reddy, T Manoj	Crop Yield Prediction And Remedies Recommendation Using Feature Selection Techniques In Machine Learning	IRJMETS
9	Shiva Bhavya sree Muttireddy,Vardhanapu Hasini, Thondalam Raju	Real Time Earthquake Detection & Estimation Using Machine Learning	IRJMETS
10	Vemula Harichandana,Pothulapally Nithin Kumar,Sadula Sona	Silent Speech Recognition : Automatic Lip Reading Model Using 3d Cnn	IRJMETS

Project Summary Sheet Showing SDGs in Figure 2.2.3.4



COMPUTER SCIENCE ENGINEERING | MRCET

(CSE)

Email: mrcetcse2004@mrcet.ac.in, mrcetcse2004@gmail.com

IV Year B.Tech-II Semester Major Project Individual Summary Sheet

Project Title:	AI BASED INTERIOR DESIGN				
Project Code:	CSE/2025/MJP/C2	**Batch Size:**	03	**Batch:**	2024-25
Domain / Area:	Artificial Intelligence		**SDG Mapping**		09
Abstract:	This project focuses on the development of an **AI-based system for interior design generation**, leveraging advanced generative models like Stable Diffusion to create customized and high-quality interior layouts. The system utilizes deep learning techniques, including diffusion models fine-tuned for interior design, to generate realistic and visually appealing room designs based on textual prompts and images provided by users.				

Technical (S/w & H/w) Specifications

Software Requirements:	Hardware Requirements:
•Python 3.10.0 •IDE: VS Code •Frameworks: Tkinter, PyTorch, Diffusers •Nvidia CUDA Toolkit 12.4 •OS: Windows/Linux	• Processor : Intel Core i5 (8th Gen) or AMD Ryzen 5 equivalent • GPU : NVIDIA GTX 1660 with 6GB VRAM (for basic image generation) • RAM : 8GB

Module(s) Specifications

Module 1: Image Upload

Module 2: Text Upload

Module 3: Stable Diffusion Pipeline creation

Module 4: Image Processing

Module 5: Result Image

Architecture Diagram

Methodology

The AI-based interior design project follows a systematic approach to develop a system capable of generating high-quality and realistic interior design layouts based on user input. The process begins with defining objectives and analyzing the requirements of designers and homeowners. A diverse dataset of interior images is prepared, annotated with attributes such as room type, style, and furniture arrangements. A generative AI model is trained and fine-tuned on this dataset to specialize in creating interior design outputs tailored to specific user prompts. Users can provide text descriptions specifying their design preferences, which guide the generation process. The system processes these inputs to produce visually appealing and relevant results. This methodology provides an efficient and innovative solution for professionals and enthusiasts in the field of interior design.

Existing System	Proposed System
• Relies on manual tools and professional software like **AutoCAD**, **SketchUp**, and **3ds Max**. • Some AI-based platforms exist but are not specialized for interior design and lack personalization. • Outputs are often generic and lack adaptability to specific user needs. • Systems that use API keys from AI models like ChatGpt or Gemini to generate images.	• An AI-based generative design tool tailored specifically for interior design. •Utilizes fine-tuned generative models trained on curated interior design datasets. • Allows users to provide text prompts and images to generate personalized room designs. • Produces high-quality, realistic designs with minimal user effort.

Guide Details

Ms. Sai Eswari
Asst. Professor
Dept. of CSE

MRCET Campus
UGC Autonomous
Institution-Govt. of India,
Hyderabad, TG.

Batch Members Details

M. Jayanth	K. Mahender	MD. Saddam
21N31A05D5	22N35A0518	21N31A05D3

2.2.4 Initiatives related to industry interaction (10)

Institute Marks : 10.00

INITIATIVES RELATED TO INDUSTRY INTERACTION

The Department of CSE has a continuous and vast industry involvement in the programme to keep our students aligned with the latest trends and practices in industry. To bridge the gap between industry and academia, Department of CSE has implemented several initiatives and practices in collaboration with the industries including:

- Industry Supported Laboratories
- Industry Involvement in the Programme Design and Curriculum
- MOUs with industries
- Invited Lectures from Industrial Experts
- Internships -Industry Related Projects
- Training provided by Industries to Students
- Industrial Visits
- Industrial Colloborated training for Faculty

A. INDUSTRY SUPPORTED LABORATORIES

The industry-supported laboratories play a pivotal role in developing a healthy learning process, bridging the gap between academic knowledge and real-world industry practices. This initiative focuses on nurturing well-rounded professionals by emphasizing key aspects such as professionalism, behavioral development, and awareness of industry expectations.The details are as shown in Table 2.2.4.1

Table 2.2.4.1 Labs Established with Industry Support

S.No	**Lab**	**Industry**	**Objective**	**Equipments Available in the Laboratory**
1	Artificial Intelligence Center of Excellence	INTEL UNNATI	• The MOU has resulted in setting up of laboratory in Artificial Intelligenceand Machine Learning. • Faculty are being trained by INTEL UNNATI and in-turn Students are allowed to get certified from INTEL UNNATI in courses like Machine Learning and Deep Learning. • Students are permitted to undergo Internships under INTEL UNNATI. • MRCET gets access to all resources, course materials, services, and websites.	INTEL UNNATI Vertical segment Server Processor: 4th generation Intel® Xeon® scalable 12 core 2 GHz RAM : 32 GB HDD : 2TB LAN : 10/100/1000Mbps*2 Lenova Intel i5 12th Gen 16GB RAM Hard Disk256GB 1 UPS-20KVA
2	Center Of Excellence Full Stack testing with Selenium and Automation	VIRTUSA	• Training and making students excel lance in Full Stack Programming. And helping them in testing as per Industry level	Hardware model: Lenovo Think center 50s Gen Memory:16 GB Processor:13th Gen Intel @R core Tm 15-13400×16 OS Type:64 Disk capac:256.1 GB Dell intel@core Tm i3-9100Cpu@3.60GHz×4 Os type:64bit Memory: 8GB

3	IOT LAB	Physitech electronics	• The MOU has resulted in setting up of IOT laboratory in association with Physitech electronics. • Conducted Trainingactivity for students on IOT sensors &devices. • Students allowed to carry out IOT related Projects.	Iot Universal kit supply—15 kits given
4.	Center Of Excellence DSCI	DSCI(Data security Council Of India)	• Providing the Cyber Security related training/FDP's /workshop • Conducted Hackathon for students	Conducted Hackathon ,worked on programming in cyber security

MRCET CSE with the support of INTEL UNNATI has established Center of Excellence in Artificial Intelligence , VIRTUASA has established center of Excellence in Full Stack Testing with Selenium and Automation,Physitech Electronics has established IOT Laboratory and Center of Excellence in Cyber Security in association with DSCI Data Security Council of India.

Center of Excellence in Artificial Intelligence:

This lab is typically devoted to teaching and student training on Artifical Intelligence and Machine Learning courses. The lab is established in the year 2023 along with the inculcation of various machine learning -related courses in the B.Tech (CSE) Curriculum. As an impact, many student projects focused on machine learning and Deep Learning, by applying various machine learning and Deep learning and artificial intelligence techniques through the available facilities in the lab, and outcomes are visualized in terms of Certifications for Faculty and Students,projects,workshops and Internships.The details of the lab configuration are listed in Table 2.2.4.1 above.

Center of Excellence in Full Stack Testing:

This lab is typically devoted to teaching and student training on Full Stack Development and Testing courses. The lab is established in the year 2023 along with the inculcation of various full stack Development and testing -related courses in the B.Tech (CSE) Curriculum. As an impact, many student got indepth knowledge of Full Stack Development and focused on converting them to projects through the available facilities in the lab, and outcomes are visualized in terms of projects,workshops and Internships.The details of the lab configuration are listed in Table 2.2.4.1 above.

IOT Laboratory:

The IoT lab is established in the year 2022. The lab is established based on the students' interest in doing IoT projects with an intention to turn some of them into products and used for B.Tech and M.Tech Projects and Labs also. The details of the lab configuration are listed in Table 2.2.4.1 above.

Center of Excellence in Cyber Security:

This lab is typically devoted to teaching and student training on cyber security related courses. The lab is established in the year 2023 along with the inculcation of various cyber security and hacking -related courses in the B.Tech (CSE) Curriculum. As an impact, many student participated in the Hackathon conducted in association with DSCI and got indepth knowledge of security related aspects and programming and focused on converting them to projects through the available facilities in the lab, and outcomes are visualized in terms of projects,workshops,Hacakthons and Internships.The details of the lab configuration are listed in Table 2.2.4.1 above.Figure 2.2.4.1 and figure 2.2.4.2 shows the MOU exchange with DSCI and INTEL UNNATI.

CENTRE OF EXCELLENCE IN CYBER SECURITY-MOU EXCHANGE PROGRAM
CENTRE OF EXCELLENCE IN CYBER SECURITY 12-14 OCTOBER,2023
MOU Exchange
Leadership Summit
Cyber Security

Figure 2.2.4.1 MOU Exchange Program on Cyber Security

CENTRE OF EXCELLENCE IN AI-MOU EXCHANGE PROGRAM-INTEL UNNATI
CENTRE OF EXCELLENCE IN ARTIFICIAL INTELLIGENCE 05 AUGUST,2023
intel
Intel® Unnati
Data-Centric Labs in Emerging Technologies
AI

Figure 2.2.4.2 MOU Exchange Program on INTEL UNNATI

The number of students benefited in different Industry supported laboratories/training programs are provided in the Table 2.2.4.2 given below.

Table 2.2.4.2 Number of students benefited in different Industry supported laboratories

INDUSTRY ASSOCIATED LABS	IMPACT ANALYSIS
Artificial Intelligence Center of Excellence – INTEL UNNATI	1. 3 Days Workshop on "MACHINE LEARNING" IN ASSOCIATION WITH INTEL UNNATI for Students 2. Internships Completed By Students 3. One Week FDP on "MACHINE LEARNING AND DEEP LEARNING" IN ASSOCIATION WITH INTEL UNNATI for faculty. 4. AIML Labs have been carried out STUDENTS BENEFITED : 200
Center Of Excellence Full Stack testing with Selenium and Automation	1. Full Stack Development Lab has been carried out. 2. Workshop on Application Development using React Native 3. Students have Completed their Projects on FSD Domain STUDENTS BENEFITED : 150
IOT LAB	1. IOT Projects has been carried out by students STUDENTS BENEFITTED:60
Center Of Excellence DSCIDSCI(Data security Council Of India)	1. Boot Camp on Cyber Space 2024 has been conducted 2. Workshop on Cyber Security Has been Completed STUDENTS BENEFITTED:220

B. INDUSTRY INVOLVEMENT IN THE PROGRAMME DESIGN AND CURRICULUM

Experts from industry and academia are a part of Board of Studies & Academic Council of the department. Various inputs which given by these experts are incorporated into the syllabus and a few new advanced elective courses are also included in the R-22 syllabus. The Industry experts who are part of the department BOS are given in the table 2.2.4.3.

Table 2.2.4.3 Industry Experts in BOS & AC

Name	Designation/Organization	Responsibility
Dr. RVS Praveen	Principle Architect L&T Infotech	Member, BOS
Mr. D.Ramakanth	Director,IT Architecture	Member, BOS
Mr. V.S.N.Murthy	Tech Mahindra	Member, BOS
Sri.T.V.Shiva Rao	CEO, Future Labs	Member, AC

C. MOUS WITH INDUSTRIES

An Industry Memorandum of Understanding (MOU) between entity and an engineering college can have several strategic purposes, particularly if the college is looking to foster collaborations in areas such as sports engineering, technology development, data analytics, and infrastructure improvement for the sport. Table 2.2.4.4. shows the MOUs Signed with the industries.

Table 2.2.4.4 MOUS With Industries

S.No	NAME OF THE INDUSTRY/INSTITUTE/ ORGANIZATION	LOCATION	TITLE/PURPOSE	DATE
1	Intel Technology India Limited	Bangalore	Intel-Unnati	21th Nov-2023
2	Data Security Council Of India	Hyderabad	Centre of Excellence in Cyber Security	12th to 14th Oct-2023
3	Physitech Electronic	Hyderabad	Academic Alliance with Physitech Electronics	June-2023
4	CampxEdutech Private Ltd,	Hyderabad	Digitization of college Campuses	13th April-2023
5	AIC ALEAP WeHub	Hyderabad	Association of Lady Entrepreneurs of India	11th Mar-2023
6	COIGN	Hyderabad	Enriching the Technology	19th Noc-2023
7	Technosoft	Chennai	Center of Excellence	9th Nov-2023
8	TATA consultancy	Hyderabad	Governed by Facilities Agreement	30th Apr-2022
9	Tech Mahindra	Hyderabad	Collaboration on contemporary Technology	24th Aug-2023
10	MSME	Hyderabad	New Ideas	31st Mar-2022
11	MICROSOFT Corporation (India) Private Limited,	Hyderabad	Enhancing New Technology	1st july-2023
12	CISCO Networking	Hyderabad	IT Related Technology	12th Feb-2022
13	Virtuasa	Hyderabad	To train students and faculty on Intelligent Automation Testing	28th Jul-2021
14	T-Hub	Hyderabad	Internship and Recruitment opportunity with T-Hub start ups.	19th Dec2022- 18th Dec2023

D. INVITED LECTURES FROM INDUSTRY EXPERTS

The department has conducted several invited lectures by bringing industry experts to enhance the student's knowledge. As a part of career development, to gain knowledge on the future opportunities, skill development, personality development and real time hands-on training for the current industrial needs are given to students. The list of invited lectures conducted in the last three years in this regard is as shown in Table 2.2.4.5.

Table 2.2.4.5 Invited Lectures from Industry Experts

S.No	Name of the Event	Relevant course in the curriculum	RESOURCE PERSON	Date	CO-ORDINATOR	NO OF PARTICIPANTS
1	AI & ML	Machine Learning and used for carrying out projects	Mr. B. Rajinikanth Mr. G. Santosh COIGN CONSULTANTS	5th - 10th August 2022	Dr.S.Shanthi,HOD,CSE	210
2	Application Development Using React Native	Helps students in Developing various Applications	Mr.Srinivasulu Reddy, CEO,Sankalpa Software Solutions,Hyderabad	9th- 10th December 2022	Dr.S.Shanthi,HOD,CSE	140
3	Web Development Using Django Framework	Helps students in Web Development	Mr.Amar Sharma, CEO&Founder at WIOR Softare India pvt.Ltd	16th - 20th December 2022	Dr.RahamatBasha,Assoc.Prof	140
4	An Expert Talk on "A practical approach to Data Science"	Data Science and used for carrying out projects	Dr.Durga Prasad, Remote Data Analyst/AILT-USA	18th March 2023	Mrs.K.Chandusha,Assistant Professor	220
5.	Analysis Techniques Workshop[	Helps students in Web Development	Mr.Venkat, Dcode software Tech Solutions	26th to 29thFebruary 2024	Mr.M.Sandeep Agarwal, Assistant Professor	210
6.	CCNA Certification Programme	Networks concepts and its working	Mr.Kagandeep Thakur, Technical Director, Cognitive Creators	18th-20th Jan 2024.	Mr.Sunil Assistant Professor	220
7.	Machine Learning Workshop	Machine Learning and its algorithms are covered.	Mr.Venkat Ram, Industry Expert, IBM Mr.Akhil, Developer at GSPANN	20th to 24thNovember 2023	Dr.S.Shanthi,HOD,CSE	210

8.	Statistical Visualization and Analysis	Teaching Statistical approach for visualization of statistical data	Mr.DattatreyaGoud, a speaker, Dcode Soft Tech Solutions Pvt Ltd	October 16th-17th 2023	Mr.Manoj Kumar, Assistant Professor	140
9.	R Programming	Learning R-Programming to analyse and visualize the data	Mr.Naga Sri MouliBorusu, speaker, Industry Expert	29th& 30th September 2023	Mr.G.Ravi, Assoc.Prof	140
10.	WEB DEVELOPMENT USING FLASK	Full Stack Developmentand Helps in web Development	Association with Code Tantra	26th Sept-2024 To 28th Sept 2024, 15th Oct 2024 To 17th Oct2024	Mrs.D.Radha,Assoc.Prof	210
11.	Workshop on Machine Learning	Learning new Technology in Machine Learning	Association with Intel Unnati	30th July to 1st Aug, 2024	Mrs.N.Bharathi,Assistant Professor	210

E. INTERNSHIPS

Academic Year 2024-2025:

The students are encouraged to take up internship programs during their semester break. Faculty members give their guidelines, suggestions and scope and contact details of an internship. They also help the students by interacting with the industrial experts, provide the students recommendation letters and other necessary supports. The alumni coordinator constantly interacts with alumni those who are working in the industries and request them to provide necessary guidelines and supports for their junior’s internship.The table 2.2.4.6 show the number of students benefitted from Internships.

Table 2.2.4.6 Number of Internship students benefited.

Academic Year	Number of Students Attended
2024-2025	48
2023-2024	37
2022-2023	33

Table 2.2.4.7 Shows the students attended the Industrial Internships during the academic year 2024 -2025.

Table 2.2.4.7 Industrial Internships during the Academic Year 2024-2025

S.NO	ROLL NUMBER	NAME OF THE STUDENT	INDUSTRY NAME	DOMAIN	TENURE
1	21N31A0510	Annam Sai Shivani	Cognizant	Fullstack Development	6 Months
2	21N31A0557	Emmadi Manaswini	Cognizant	Fullstack Development	6 Months
3	21N31A05C5	Kyadam Pradeep	Cognizant	Fullstack Development	6 Months
4	21N31A05D5	Mallipadhi Jayanth	Cognizant	Fullstack Development	6 Months
5	21N31A05E5	Modini Vivek Kumar	Cognizant	Fullstack Development	6 Months
6	21N31A05E9	Motupalli Srivani	Cognizant	Fullstack Development	6 Months
7	21N31A05G5	Nithya Reddy Singi Reddy	Cognizant	Fullstack Development	6 Months
8	21N31A05L4	Rajanala Taruni	Cognizant	Fullstack Development	7 Months
9	21N31A05M3	Samineni Rama Krishna	Cognizant	Fullstack Development	8 Months
10	21N31A05N9	Sutraye Alekhya	Cognizant	Fullstack Development	9 Months
11	21N31A05P9	Uppuleti Sankeerthana	Cognizant	Fullstack Development	10 Months
12	21N31A0502	Achina Soumya	Cognizant	Fullstack Development	12-07-2024To 2-September-2024
13	22N35A0521	Naragoni Niharika	Cognizant	Fullstack Development	12-July-2024 To 2-September -2024
14	22N35A0524	Tadishetty Akshaya	Cognizant	Fullstack Development	12-July-2024 To 2-September -2024

15	21N31A05P2	Tyeeb Khadri Syed M	Cognizant	Fullstack Development	12-July-2024 To 2-September -2024
16	21N31A05L3	Raghunayakula Jayadeepika	Cognizant	Fullstack Development	12-July-2024 To 2-September-2024
17	21N31A05F2	Mukesh Paul	Cognizant	Fullstack Development	6 Months
18	21N31A05Q3	V.Nithin Kumar	Cognizant	Fullstack Development	6 Months
19	21N31A0588	J.Anjali	Cognizant	Fullstack Development	6 Months
20	21N31A05D0	M.Aman Shah	Cognizant	Fullstack Development	6 Months
21	21N31A05A4	K.Venkat Sriram	Cognizant	Fullstack Development	6 Months
22	21N31A0515	K.Sathish	Cognizant	Fullstack Development	6 Months
23	21N31A05G3	N.Sriram Kowstubh	Cognizant	Fullstack Development	6 Months
24	21N32A05D5	Mallipadhi Jayanth	Dbs	Web Development	12-Jun-24
25	21N31A05E2	Maymula Santosh Reddy	Deloitte Support Services India Private Limited	Web Development	13-July-2024 To 13-September -2024
26	21N31A05F6	Geervani Nagireddy	Deloitte Support Services India Private Limited	Web Development	13-July-2024 To 13-September -2024
27	21N31A0558	Emmadi Sai Prakash Reddy	Synxa It Pvt. Ltd	Fullstack Development	10-July-2024 To 12-September 2024
28	21N31A0579	Gottam Sai Charan Reddy	Synxa It Pvt. Ltd	Fullstack Development	10-July-2024 To 12-September 2024

29	21N31A05J9	Pulavarthi Manoj Kumar	Synxa It Pvt. Ltd	Fullstack Development	10-July-2024 To 12-September 2024
30	21N31A05L9	S.Prabhas Varma	Synxa It Pvt. Ltd	Fullstack Development	3Months
31	21N31A05N8	Suravarapu Ashok	Synxa It Pvt. Ltd	Fullstack Development	3Months
32	21N31A05Q2	Vakkanthula Bharath	Synxa It Pvt. Ltd	Fullstack Development	3Months
33	21N31A0592	K Vaishnavi Chowdary	Synxa It Pvt. Ltd	Fullstack Development	3Months
34	21N31A05J5	Naveen Polampalli	Edufyitechsolutions	Artificial Intelligence	07-01-2025
35	21N31A05E5	Modini Vivek Kumar	Codetechit Solutions	Java Programming	10-July-2024 To 10-August-2024
36	21N31A05E7	Mohammed Abdul Moid	Codetechit Solutions	Java Programming	10-July-2024 To 10- August -2024
37	21N31A05G1	Nenavth Sridhar	Codetechit Solutions	Java Programming	10-July-2024 To 10- August -2024
38	21N31A05J5	Polampalli Naveen	Codetechit Solutions	Java Programming	10-July-2024 To 10- August -2024
39	21N31A05J9	Pulavarthi Manoj Kumar	Codetechit Solutions	Java Programming	10-July-2024 To 10- August -2024
40	21N31A05K8	Puvvadi Sriram	Codetechit Solutions	Java Programming	10-July-2024 To 10- August -2024
41	21N31A05E5	Modini Vivek Kumar	Vault Of Codes	Web Development	07-Dec-24
42	21N31A0523	Bellamkonda Baby Sree	Weblink Solutions	Website Development Cum Digital Marketing	15-July-2024 To 10- August -2024

43	21N31A0542	Chenimini Siri Lakshmi	Weblink Solutions	Website Development Cum Digital Marketing	15-July-2024 To 10- August -2024
44	21N31A05B8	Kothakanti Sai Shreeya	Weblink Solutions	Website Development Cum Digital Marketing	15-July-2024 To 10- August -2024
45	21N31A05R1	John Wesly Vempati	Archaeobyte	Fullstack Development	06-Aug-24
46	21N31A0575	Gondi Chandana	Gradient technologies Pvt Ltd	Fullstack Development	11-July-2024 To 9- August -2024
47	21N31A05D1	Maadhamshetty Keerthana	Gradient technologies Pvt Ltd	Fullstack Development	11-July-2024 To 9- August -2024
48	21N31A05K3	Puppala Srivani	Gradient technologies Pvt Ltd	Fullstack Development	11-July-2024 To 9- August -2024

F. INDUSTRY COLLOBORATED TRAINING FOR FACULTY

Industrial training for faculty development refers to a program or course designed to expose academic staff, typically in engineering or technical institutions, to the practical aspects of industries relevant to their field. The goal of such training is to bridge the gap between theoretical knowledge and real-world industry practices. This type of training helps faculty members stay updated with current industry trends, technological advancements, and enhances their ability to impart relevant knowledge to students.Table 2.2.4.8 shows the list of faculty members trained by the Industry.

Table 2.2.4.8 Faculty Trained by Industry Experts

S.NO.	Types of Training	Faculty Name	Company	Objective
1	Training on Full Stack Program	Dr. Jayapal	Wipro	Enhance faculty knowledge and skills by exposing them to industry practices, technologies, and trends in full stack.
2	Advance TechnologyTraining on AI & ML	M.Sandeep	Wipro	Exposing them to industry practices, technologies, and trends.
3	Training on Full Stack Program	R.Chandrasekar	Wipro	Enhance faculty knowledge and skills by exposing them to industry practices, technologies, and trends in full stack
4	Training on AI & ML	R.Chandrasekar	Wipro	Exposing to recent developments in ML.
5	Workshop Machine Learning and Deep Learning	Mr. Vigneshwara Rao	Intel	Enhance Faculty knowledge in upcoming Technologies in the field of machine and Deep Learning
6	Training on Cloud Computing	R.Chandrasekar	Wipro	Advanced Technology program on cloud computing
7	Workshop Machine Learning and Deep Learning	Mr. Sunil	Intel	Enhance Faculty knowledge in upcoming Technologies in the field of machine and Deep Learning
8	Workshop Machine Learning and Deep Learning	Mrs.B.Saritha	Intel	Enhance Faculty knowledge in upcoming Technologies in the field of machine and Deep Learning
9	Sales force Developer catalyst	Mr. A. Saleem	ICT Academy in Association with Sales Force	Enhance new Technology in Sales Force Developer
10	Sales force Developer catalyst	Mr.M. Sandeep	ICT Academy in Association with Sales Force	Enhance new Technology in Sales Force Developer
11	Training and Experts	Mrs.SharanyaSandhela	MicroSoft Technology Associate	Exposing them to industry practices, technologies, and trends.

12	Workshop Machine Learning and Deep Learning	Mr.Vamsi Krishna .G	Intel	Enhance Faculty knowledge in upcoming Technologies
13	Faculty Orientation	Mrs.P.l.Shailaja	Wadhwani	Enhance faculty knowledge and skills by exposing them to industry practices, technologies, and trends.
14	Sales force Developer catalyst	Mr.SunilBollam	ICT Academy	Enhance new Technology in Sales Force Developer
15	Intelligent Automation Testing	Mr. A. Saleem	Virtuasa	Enhance faculty knowledge and skills by exposing them to industry practices, technologies, and trends in testing.
16	Workshop Machine Learning and Deep Learning	Mrs.LaxmiShailaja	Intel	Enhance Faculty knowledge in upcoming Technologies
17	Faculty Orientation	Mrs.Bharathi	Wadhwani	Enhance faculty knowledge and skills by exposing them to industry practices, technologies, and trends.
18	Faculty Orientation	Mr.Dastagiri Reddy	Wadhwani	Enhance faculty knowledge and skills by exposing them to industry practices, technologies, and trends.

G.INDUSTRIAL VISITS:

Main aim of industrial visit is to provide an exposure to students about practical working environment. They also provide students a good opportunity to gain full awareness about industrial practices. Through industrial visit students get awareness about new technologies. Technology development is a main factor, about which a students should have a good knowledge. Visiting different companies actually help students to build a good relationship with those companies. Bbuilding relationship with companies always help to gain a good job in future. After visiting an industry students can gain a combined knowledge about both theory and practice. Students will be more concerned about getting a job after undertaking an industrial visit.Industrial Visits organized by the Department is shown in Table 2.2.4.9 below.

Table 2.2.4.9 Details of Industry visits Organized by the Department

S.No	DATE	NAME OF THE EVENT	RESOURCE PERSON	DESIGNATION & ADDRESS	HIGHLIGHTS OF EVENT/ MOTO
1	30/3/24	Industrial Visit To Microsoft	Mr. Mohan Naidu	DNS.ISOC Chairman & overall coordinator of the program	They provided exposure to the students about the practical working environment with theoretical learning. They provided students a good opportunity to achieve full awareness about industrial practices and working in Data Analytics.
			Mr. P. Gopinath	Scientist-E,CDAC Bangaluru	
2	13/07/23	Industrial Visit T-HUB	-	T- HUB in Raidurg, Hyderabad, Telangana.	Students got awareness about the T-HUB unparalleled support, resources, and opportunities and the environment setup for Startups. T-HUB strives to create impact for startups, cooperation and other ecosystem stake holders.

3	18/08/23	Industrial Visit to VIRTUSA	Mr. DSK Chakravarthy,	Agile Coach and Software DeliveryManager at Virtusa,	1. Gain an understanding of the operations and work culture at Virtusa Company. 2. Witness real-world applications of concepts studied during the academic curriculum. 3. Interact with industry professionals and learn about career opportunities in the IT sector. 4. Explore the latest technological advancements and innovations in the field.
4	05/08/23	Industrial Visit to Intel UNNATI	-Mr.Sandeep,Project Manager	-INTEL UNNATI,Bangalore	An opportunity for students to know about industry relevant challenges and solutions using emerging technologies like Deep learning and Artificial Intelligence.
5.	18/8/23	Industrial Visit to HAL Hyderabad.	Mr.Ravi,Project Head	-HAL Hyderabad	Explore differenttypes of products made by HAL like Drones etc.

H.TRAINING PROVIDED BY INDUSTRY TO STUDENTS

In addition to workshops and guest lectures, industry specific trainings are offered to students as part of Placements and Projects. The sample list of industry specific training offered to the students during the academic year 2020-2021 is depicted in Table 2.2.4.10.

Table 2.2.4.10 - List of Training Programs offered by Industries to Students

S.No.	Name Of The Training Programmer	Duration	Name Of The Training Organization
1	Campus recruitment Training(CRT)- Quantitative Aptitude and Reasoning	15th July 2024 to 20th July 2024	Coign and Techmaster
2	Campus recruitment Training(CRT)- Quantitative Aptitude and Non Reasoning	05th June 2023 to 10th June 2023	Logik Works
3	Campus recruitment Training(CRT)- Technical Workshop on Full Stack Explore	27th Apr 2023 to 1st May -2023	Logik Works
4	Campus recruitment Training(CRT)- Quantitative Aptitude and Reasoning	30th September 2023 to 4th November 2023	Logik Works
5	Campus recruitment Training(CRT)- Quantitative Aptitude and Reasoning	19th February 2024 to 23th February 2024	Logik Works
6	Campus recruitment Training(CRT)- Quantitative Aptitude and Reasoning	17th Oct 2022 to 21st Oct 2022	Logik Works
7	Campus recruitment Training(CRT)- Technical and Quantitative Aptitude	09th Jan 2023 to 11th Jan 2023	Logik Works
8	Campus recruitment Training(CRT)- Quantitative Ability, Reasoning Ability, Verbal Ability, Technical Skills and Recruitment Essentials	28th Feb 2023 to 04th Mar 2023	Logik Works

D. IMPACT ANALYSIS OF INDUSTRY INSTITUTE INTERACTION AND ACTIONS TAKEN THEREOF

Impact of Industrial trainings in Placement

- Industrial training plays a vital role towards placement. It has an excellent impact on placement records.
- In the academic year 2021 to 2022, 17% of students are placed in well reputed top MNC’s multinational companies with the package of **8.9 to 5 LPA**. 58% of students are placed with the package of **3 to 5 LPA.**
- In the academic year 2022 to 2023, 83% of students are placed in top MNCs with packages starting from **9 to 4 LPA**. 17% of students are placed with the package of **2.5 to 3 LPA.**
- In the academic year 2023 to 2024, 27% of students are placed in leading IT sectors with high packages starting from **4 to 9.5 LPA.** 53% of students are placed with the package of **2.5 to 3 LPA.**

Impact analysis for industry-interaction

- Students are getting practical knowledge about current trends in the respective discipline.
- It helps to develop skills with respect to employability
- It helps to get the internship, industrial training and research collaboration.
- Update knowledge using cutting edge technologies both students and faculty
- Students are trained in modern tools used in real time applications
- Encourage students to become entrepreneurs.

Impact of Industrial MoUs

- Industry Supported Labs acted as a catalyst for various student projects,workshops,Internships,Hackathon and faculty research.
- Faculty Training in terms of training is organized for various industry-oriented courses like Machine Learning,Deep learning. The knowledge is inculcated in the teaching-learning process.
- It provides a platform to our students and faculty to attend workshops, courses conducted by various industries and improves their competency skills.
- INTEL UNNATI Certifications and Internships are conducted for faculty and students. Similar trainings,Hackathons are also conducted to the students as part of training and DSCI relevant courses.

Impact on Student Projects

Trainings,Workshops,Internships on Internet of Things and Machine learning are being conducted regularly with the Industry Support.

This industry Interaction initiative Impacted in the number of Machine and Deep learning projects to increase over 40 problem statements during the academic year 2023-2024

- 21N31A0551-Manaswini,21N31A0551-Emmadi Sai Prakash Reddy and 21N31A0530-Akshitha exhibited their project work and won the first prize in Hackathon
- 15 Lakhs Funding has been sanctioned for Meghana of 2024 passed out batch from MSME.
- 4 Lakhs has been Funded for Bellam Konda BabySree from MEITY-TIDE-2.0 Startup Funding
- 2 Lakhs has been Funded for Meghana of 2024 passed out batch from MEITY-TIDE-2.0 Startup Funding
- Freelancer Project of worth Rs.60,000/-has been sanctioned for 22N31A0577-JAKKIDI ADHIKOWSHIK REDDY from VASE INDIA.
- The Projects are converted to Research Papers either submitted to scopus/Wos indexed Conferences/ugc journal or published in Indexed Journals/ Book Chapters

Impact of Industrial Experts in Curriculum and Syllabus

- Advanced Core professional electives are included in the curriculum.
- Periodic revision of syllabus on state-of-the-art courses are carried out to meet the current industrial standards
- New courses are introduced through industry collaboration in the professional elective category under various streams including Artificial Intelligence and Machine Learning, Data Analytics, Cyber Security and Internet of Things .
- Students are exposed to the emerging technologies and Subjects because of the periodic revision of Syllabus.

Impact of Trainings by Industry to faculty:

- Periodic training on various Industrial courses are provided to the faculties of MRCET. This enhances the domain specific knowledge for the faculties.
- Faculty are exposed to the emerging technologies and the same knowledge being shared to the students.
- This initiative helps in improving the effective teaching methodologies.

2.2.5 Initiatives related to industry internship/summer training (10)

Institute Marks : 10.00

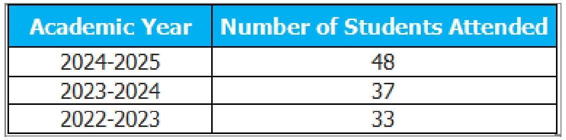
INTERNSHIPS:

The students are encouraged to take up internship programs during their semester break. Faculty members give their guidelines, suggestions and scope and contact details of an internship. They also help the students by interacting with the industrial experts, provide the students recommendation letters and other necessary supports. The alumni coordinator constantly interacts with alumni those who are working in the industries and request them to provide necessary guidelines and supports for their junior's internship.

- Students are exposed to real time practical experience of the subjects studied inthe classrooms and realized the practical importance of the subjects.
- Industrial training inculcated more interest in the subjects.
- Students are inspired to do hard work and get placed in such industries.
- Communication skills of the students improved
- Students were exposed to the industry standards and workplace culture, theimportance of being punctual and meeting the deadlines.

Internship from 2022-2025 is given in the following table 2.2.5.1

Table 2.2.5.1 Internships List from 2022-2025



Academic Year	Number of Students Attended
2024-2025	48
2023-2024	37
2022-2023	33

Industrial Internships carried out during the Academic Year 2024-2025 given below in table 2.2.5.2 is given below

Industrial Internships carried outduring the Academic Year 2023-2024 given below in table 2.2.5.3 is given below

Industrial Internships carried out during the Academic Year 2022-2023 given below in table 2.2.5.4 is given below.

Table 2.2.5.2 Industrial Internships during the Academic Year 2024-2025

S.NO	ROLL NUMBER	NAME OF THE STUDENT	INDUSTRY NAME	DOMAIN	TENURE
1	21N31A0510	Annam Sai Shivani	Cognizant	Fullstack Development	6 Months
2	21N31A0557	Emmadi Manaswini	Cognizant	Fullstack Development	6 Months
3	21N31A05C5	Kyadam Pradeep	Cognizant	Fullstack Development	6 Months
4	21N31A05D5	Mallipadhi Jayanth	Cognizant	Fullstack Development	6 Months
5	21N31A05E5	Modini Vivek Kumar	Cognizant	Fullstack Development	6 Months
6	21N31A05E9	Motupalli Srivani	Cognizant	Fullstack Development	6 Months
7	21N31A05G5	Nithya Reddy Singi Reddy	Cognizant	Fullstack Development	6 Months
8	21N31A05L4	Rajanala Taruni	Cognizant	Fullstack Development	7 Months
9	21N31A05M3	Samineni Rama Krishna	Cognizant	Fullstack Development	8 Months
10	21N31A05N9	Sutraye Alekhya	Cognizant	Fullstack Development	9 Months
11	21N31A05P9	Uppuleti Sankeerthana	Cognizant	Fullstack Development	10 Months
12	21N31A0502	Achina Soumya	Cognizant	Fullstack Development	12-07-2024To 2-September-2024
13	22N35A0521	Naragoni Niharika	Cognizant	Fullstack Development	12-July-2024 To 2-September -2024
14	22N35A0524	Tadishetty Akshaya	Cognizant	Fullstack Development	12-July-2024 To 2-September -2024

15	21N31A05P2	Tyeeb Khadri Syed M	Cognizant	Fullstack Development	12-July-2024 To 2-September-2024
16	21N31A05L3	Raghunayakula Jayadeepika	Cognizant	Fullstack Development	12-July-2024 To 2-September-2024
17	21N31A05F2	Mukesh Paul	Cognizant	Fullstack Development	6 Months
18	21N31A05Q3	V.Nithin Kumar	Cognizant	Fullstack Development	6 Months
19	21N31A0588	J.Anjali	Cognizant	Fullstack Development	6 Months
20	21N31A05D0	M.Aman Shah	Cognizant	Fullstack Development	6 Months
21	21N31A05A4	K.Venkat Sriram	Cognizant	Fullstack Development	6 Months
22	21N31A0515	K.Sathish	Cognizant	Fullstack Development	6 Months
23	21N31A05G3	N.Sriram Kowstubh	Cognizant	Fullstack Development	6 Months
24	21N32A05D5	Mallipadhi Jayanth	Dbs	Web Development	12-Jun-24
25	21N31A05E2	Maymula Santosh Reddy	Deloitte Support Services India Private Limited	Web Development	13-July-2024 To 13-September-2024
26	21N31A05F6	Geervani Nagireddy	Deloitte Support Services India Private Limited	Web Development	13-July-2024 To 13-September-2024
27	21N31A0558	Emmadi Sai Prakash Reddy	Synxa It Pvt. Ltd	Fullstack Development	10-July-2024 To 12-September 2024
28	21N31A0579	Gottam Sai Charan Reddy	Synxa It Pvt. Ltd	Fullstack Development	10-July-2024 To 12-September 2024

29	21N31A05J9	Pulavarthi Manoj Kumar	Synxa It Pvt. Ltd	Fullstack Development	10-July-2024 To 12-September 2024
30	21N31A05L9	S.Prabhas Varma	Synxa It Pvt. Ltd	Fullstack Development	3Months
31	21N31A05N8	Suravarapu Ashok	Synxa It Pvt. Ltd	Fullstack Development	3Months
32	21N31A05Q2	Vakkanthula Bharath	Synxa It Pvt. Ltd	Fullstack Development	3Months
33	21N31A0592	K Vaishnavi Chowdary	Synxa It Pvt. Ltd	Fullstack Development	3Months
34	21N31A05J5	Naveen Polampalli	Edufyitechsolutions	Artificial Intelligence	07-01-2025
35	21N31A05E5	Modini Vivek Kumar	Codetechit Solutions	Java Programming	10-July-2024 To 10-August-2024
36	21N31A05E7	Mohammed Abdul Moid	Codetechit Solutions	Java Programming	10-July-2024 To 10- August -2024
37	21N31A05G1	Nenavth Sridhar	Codetechit Solutions	Java Programming	10-July-2024 To 10- August -2024
38	21N31A05J5	Polampalli Naveen	Codetechit Solutions	Java Programming	10-July-2024 To 10- August -2024
39	21N31A05J9	Pulavarthi Manoj Kumar	Codetechit Solutions	Java Programming	10-July-2024 To 10- August -2024
40	21N31A05K8	Puvvadi Sriram	Codetechit Solutions	Java Programming	10-July-2024 To 10- August -2024
41	21N31A05E5	Modini Vivek Kumar	Vault Of Codes	Web Development	07-Dec-24
42	21N31A0523	Bellamkonda Baby Sree	Weblink Solutions	Website Development Cum Digital Marketing	15-July-2024 To 10- August -2024

43	21N31A0542	Chenimini Siri Lakshmi	Weblink Solutions	Website Development Cum Digital Marketing	15-July-2024 To 10- August -2024
44	21N31A05B8	Kothakanti Sai Shreeya	Weblink Solutions	Website Development Cum Digital Marketing	15-July-2024 To 10- August -2024
45	21N31A05R1	John Wesly Vempati	Archaeobyte	Fullstack Development	06-Aug-24
46	21N31A0575	Gondi Chandana	Gradient technologies Pvt Ltd	Fullstack Development	11-July-2024 To 9- August -2024
47	21N31A05D1	Maadhamshetty Keerthana	Gradient technologies Pvt Ltd	Fullstack Development	11-July-2024 To 9- August -2024
48	21N31A05K3	Puppala Srivani	Gradient technologies Pvt Ltd	Fullstack Development	11-July-2024 To 9- August -2024

Table 2.2.5.3 Industrial Internships during the Academic Year 2023-2024

S.NO	ROLL NUMBER	NAME OF THE STUDENT	INDUSTRY NAME	DOMAIN	TENURE
1	20N31A0573	Meghana Ganji	Teksystems Global Services Pvt. Ltd., (TGS).	Fullstack Development	2-January-2023 To 5-July-2023
2	20N31A05J2	Yaswanth Sai Parathu	Cognizant	Fullstack Development	5- January -2023 To 6-Apr-2023
3	20N31A05P3	Vetcha Sai Sanjana	Cognizant	Fullstack Development	5- January -2023 To 6-Apr-2023
4	22N31A05F0	Nampally Shirisha	Younity	Fullstack Development	March-2024
5	22N31A0510	Artham Mounika	Pantech Solutions	Chatgpt Masterclass	29-June-2024
6	22N31A0530	Bunny Laxmi	Saiket Systems	Python Development	29-March-2024
7	22N31A0530	Bunny Sri Laxmi	Younity	Business Development Specialist	1-April-2024
8	22N31A0503	Alladi Asha Kranthi	Innovative Technologies	Fullstack Development	2-January-2023
9	23N35A0518	Sri Sai Vigneshwara	Aizant	Fullstack Web Development	2- Jan -2023 To 4-Jul-2023
10	21N31A05D4	Malkapuram Srinivas	Academor	Web Development	1-Sept 2023 To 31-Oct-2023
11	21N31A05F6	Nagireddy Geervani	Slash Mark	Fullstack Web Development	25-Feb-24 To 25-May-24
12	21N31A05F6	Nagireddy Geervani	Academor	Web Development	1-Sep-2023 To 31-Oct-2023
13	21N31A05J5	Polampalli Naveen	Vault Of Codes	Web Development	7-Dec-2024
14	21N31A05J7	Pothanaboina Tharun Kumar	Archaeobyte	Full stack Development	11-May-2024

15	21N31A05J9	Pulavarthi Manoj Kumar	Aws Community Builders	Devops For Web Development	11-Dec-2023
16	21N31A05L3	Raghunayakula Jayadeepika	Archaeobyte	Full stack Development	11- May-2024
17	21N31A05P8	Uppu Sindhuja	Archaeobyte	Full stack Development	11- May-2024
18	21N31A0521	Baramavath Pravallika	Archaeobyte	Devops On Aws Internship	11 –May- 2024
19	21N31A0533	Mahendra Burugu	Bharat Intern	Full stack Web Development	10- Feb -2024 To 10-Mar-2024
20	21N31A0533	Mahendra Burugu	Coding Raja Technologies	Full stack Web Development	15-Apr-24 To 15-May-24
21	21N31A0546	Chintala Gayathri	Bharat Intern	Data Science	10- Feb -2024 To 10-March-2024
22	21N31A0583	H Prijwal Reddy	Archaeobyte	Full stack Development	16-May-2024
23	21N31A05C1	Kummari Anjali	Slash Mark	Full stack Web Development	25- Feb -2024 To 25-May-24
24	21N31A0583	H Prijwal	Slash Mark	Full stack Web Development	25- Feb -2024 To 25-5-24
25	21N31A05K7	Putta Varshita	Academor	Web Development	1- Sep -2023 To 31-Oct-2023
26	21N31A05K7	Putta Varshita	Unified Mentor	Data Analyst	15-Mar-2024 To 15-May-2024
27	21N31A0513	Srikanta Vallabesh	Intifab	Full stack Web Development	01 April 2024
28	21N31A0557	E.Manaswini	Intifab	Full stack Web Development	01 April 2024
29	21N31A0558	Emmadi Sai Prakash Reddy	Intifab	Full stack Web Development	01 April 2024
30	21N31A05A4	Venkat Sriram Kanubojji	Smartinternz	Salesforce Developer	2-May-2024
31	21N31A05J0	Pedapudi Hambica-	Smartinternz	Salesforce Developer	2-May-2024

32	21N31A0542	Chenimini Siri Lakshmi	Smartinternz	Salesforce Developer	2-May-2024
33	21N31A0594	Kadari Sriteja	Smartinternz	Salesforce Developer	2-May-2024
34	22N35A0507	Bommagoni Prathyusha	Smartinternz	Salesforce Developer	2-May-2024
35	20N31A0511	Anurag Dey	Infobos Technologies Pvt Ltd	Full stack Web Development	21-Jan -2024 TO 22- March-2024
36	19N31A0569	Gandla Rahul Varma	Pearlthoughts	Fullstack Web Development	26-Oct-2023- 26-Dec-2023
37	21N31A05L1	RACHAMALLU SANDEEP KUMAR REDDY	Synxa It Pvt. Ltd	Fullstack Development	3 Months

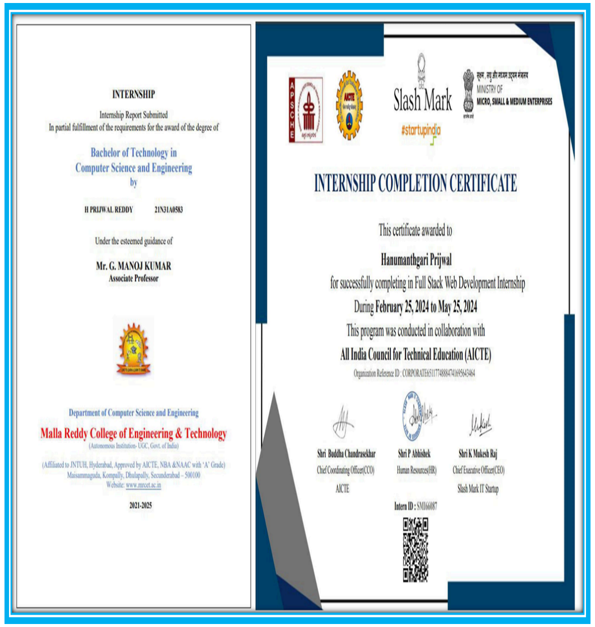
Table 2.2.5.4 Industrial Internships during the Academic Year 2022-2023

S.NO	ROLL NUMBER	NAME OF THE STUDENT	INDUSTRY NAME	DOMAIN	TENURE
1	23N35A0516	Kotagiri Shashank	Ambest Technologies	Fullstack Web Development	1-June-2022 To 30-November-2022
2	19N31A05E7	Sai Krishna Reddy N	Teksystems Global Services Pvt. Ltd.	Fullstack Web Development	10- February-2023
3	19N31A0515	Appagari Charitha	Cognizant	Fullstack Web Development	20-July-2022 To 21-October-2022
4	19N31A0592	Kalipatnapu Karthikeya Sarma	Cognizant	Fullstack Web Development	20-July-2022 To 21-October-2022
5	19N31A05H3	Racharla Shravya	Synxa It Pvt. Ltd	Fullstack Web Development	5-July-2022 To 19-October-2022
6	19N31A05N6	Veggalam Pavani	Synxa It Pvt. Ltd	Fullstack Web Development	5-July-2022 To 19-October-2022
7	19N31A05P5	Yamini Mikkilineni	Synxa It Pvt. Ltd	Fullstack Web Development	5-July-2022 To 19-October-2022
8	19N31A05L9	Tejasree Telugu	Synxa It Pvt. Ltd	Fullstack Web Development	5-July-2022 To 19-October-2022
9	19N31A05B7	Girish Kowndinya M S	Cognizant	Fullstack Web Development	20-July-2022 To 21-October-2022
10	19N31A05C5	Ashish Mandiram	Cognizant	Fullstack Web Development	20-July-2022 To 21-October-2022
11	19N31A0534	Bobbilla Sandeep Kumar	Urban Rider	Mobile Application Development	13-July-2022 To 10-August-2022
12	19N31A0540	Kavya Chikyala	Urban Rider	Mobile Application Development	13-July-2022 To 10-August-2022
13	19N31A0557	Devineni Yashashwini	Weblink Solutions	Website Development Cum Digital Marketing	7-July-2022 To 13-August-2022
14	19N31A0581	J. Gayathri	Gradient technologies Pvt Ltd	Java	9-July-2022 To 18-August-2022

15	19N31A05A4	K.N.V.S.S Abhinav	Weblink Solutions	Website Development Cum Digital Marketing	7-July-2022 To 13-August-2022
16	19N31A05A9	Sathvika Kondamadugu	Gradient technologies Pvt Ltd	Java	9-July-2022 To 18-August-2022
17	19N31A05D4	Mogulla Akhila	Macro Webber	Java	20-July-2022 To 10-August-2022
18	19N31A05E7	Nagulapally Sai Krishna Reddy	Gradient technologies Pvt Ltd	Java	20-July-2022 To 10-August-2022
19	19N31A05F8	Pakala Jagannath Reddy	Macro Webber	Java	20-July-2022 To 10-August-2022
20	19N31A05G4	Patnam Sai Prasanna Kumar Reddy	Weblink Solutions	Website Development Cum Digital Marketing	7-July-2022 To 13-August-2022
21	19N31A05J1	Rentam Rajashekar	Gradient technologies Pvt Ltd	Java	9-July-2022 To 18-August-2022
22	19N31A05L5	Sujith Reddy	Vi	Digital Marketing	3-October-2022 To 29- October -2022
23	19N31A05M0	Terala Bhuvana Chandrika	Gradient technologies Pvt Ltd	Java	9-July-2022 To 18-Aug-2022
24	19N31A05N2	Vadlamudi Vardhini	Macro Webber	Java	20-July-22 To 10-August-22
25	19N31A05P0	Vudharu Varshith	Weblink Solutions	Website Development Cum Digital Marketing	7-July-2022 To 13-August-2022
26	20N35A0510	Kandula Saiteja	Weblink Solutions	Website Development Cum Digital Marketing	7-July-2022 To 13-August-2022
27	20N35A0515	O.Madhavi	Vi	Digital Marketing	3-October-2022 To 29- October -2022

28	20N35A0524	Yasareni Sushmitha	Macro Webber	Java	20-July-2022 To 10-August-22
29	19N31A05N5	Veeramalla Shalini	Macro Webber	Java	20-July-2022 To 10-August-2022
30	19N35A0524	YUVRAJ CHAVAN	Macro Webber	Java	20-July-2022 To 10-August-22
31	20N31A05D0	LINGAM SAINAD	Weblink Solutions	Website Development Cum Digital Marketing	7-July-2022 To 13-August-2022
32	20N31A05B0	KATIPELLY ADITH REDDY	Weblink Solutions	Website Development Cum Digital Marketing	7-July-2022 To 13-August-2023
33	20N31A0503	AKIREDDY VARSHINI	Weblink Solutions	Website Development Cum Digital Marketing	7-July-2022 To 13-August-2024

Sample Internship Certificates and format is given the following figure 2.2.5.1



INTERNSHIP

Internship Report Submitted
In partial fulfillment of the requirements for the award of the degree of

Bachelor of Technology in
Computer Science and Engineering
by

H PRIJWAL REDDY 21N31A0583

Under the esteemed guidance of

Mr. G. MANOJ KUMAR
Associate Professor

Department of Computer Science and Engineering
Malla Reddy College of Engineering & Technology
(Autonomous Institution- UGC, Govt. of India)

(Affiliated to JNTUH, Hyderabad, Approved by AICTE, NBA &NAAC with 'A' Grade)
Maisammaguda, Kompally, Dhulapally, Secunderabad – 500100
Website: www.mrcet.ac.in

2021-2025

Slash Mark
#startupindia

सूक्ष्म, लघु और मध्यम उद्यम मंत्रालय
MINISTRY OF
MICRO, SMALL & MEDIUM ENTERPRISES

INTERNSHIP COMPLETION CERTIFICATE

This certificate awarded to

Hanumanthgari Prijwal

for successfully completing in Full Stack Web Development Internship

During February 25, 2024 to May 25, 2024

This program was conducted in collaboration with

All India Council for Technical Education (AICTE)

Organization Reference ID : CORPORATE65117748884741695643464

Shri Buddha Chandrasekhar Chief Coordinating Officer(CCO) AICTE	Shri P Abhishek Human Resources(HR)	Shri K Mukesh Raj Chief Executive Officer(CEO) Slash Mark IT Startup

Intern ID : SMI66087

Figure 2.2.5.1 Sample Internship Certificate

Impact analysis of Industrial training:

The students' placement is boosted in the institute because of the internship the students has undergone. In some cases the students are placed with better package. The following students were placed in various good companies with a good package because of internship(sample).

- Students are exposed to real time practical experience of the subjects studied in the classrooms and realized the practical importance of the subjects.
- Industrial training inculcated more interest in the subjects.
- Students are inspired to do hard work and get placed in such industries.
- Communication skills of the students improved
- Students were exposed to the industry standards and workplace culture, theimportance of being punctual and meeting the deadlines.

The following table 2.2.5.5 analyzes the impact of industrial training for the students who graduated in 2023, 2024 and 2025 respectively.

Table 2.2.5.5 Impact Analysis of Industrial Training

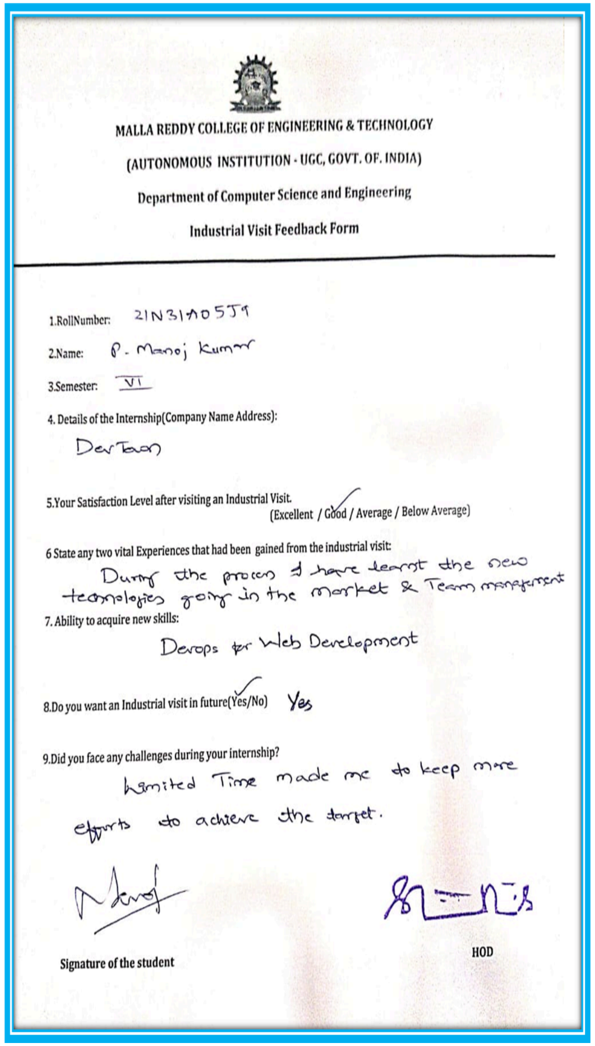
ROLL NUMBER	NAME	INTERNSHIP AT	IMPACT ANALYSIS
2025 Passout Students			
21N31A05E2	Maymula Santosh Reddy	Deloitte Support Services India Private Limited	Got exposed to Project Based Learning Placed in Accenture with a good pay
21N31A05P2	Tyeeb Khadri Syed M	Cognizant	
21N31A05F6	Geervani Nagireddy	Deloitte Support Services India Private Limited	
2024 Passed Out Students			
20N31A0573	Meghana Ganji	TEKsystems Global Services Pvt. Ltd., (TGS).	Started a Startup Company 7LPA in TCS
20N31A05J2	Yaswanth Sai Parathu	Cognizant	Placed in Accenture with a good pay
20N31A05P3	Vetcha Sai Sanjana	Cognizant	
2023 Passed Out Students			
19N31A05B7	Girish Kowndinya M S	Cognizant	7LPA in TCS
19N31A05C5	Ashish Mandiram	Cognizant	7LPA in TCS

Based on the feedback submitted by the students after the industrial training, the major outcomes of the training are validated and the suggestions are taken into consideration, if required.

As a consequence of the industrial training initiative, percentage of students opted for internship/training has increased. Number of students applied to undergo Internship/In-Plant Training had considerably increased.

Students feedback on initiative:

Feedback is obtained from the students after the completion of the internship training program. The feedback regarding knowledge gained, ability, working environment, achievements, obstacles/challenges are received. The sample feedback copy of an internship program given by the student is depicted in the following figure 2.2.5.2.



MALLA REDDY COLLEGE OF ENGINEERING & TECHNOLOGY
(AUTONOMOUS INSTITUTION - UGC, GOVT. OF. INDIA)
Department of Computer Science and Engineering
Industrial Visit Feedback Form

1.RollNumber: 21N31A05J9

2.Name: P. Manoj Kumar

3.Semester: VI

4. Details of the Internship(Company Name Address):

DevTown

5.Your Satisfaction Level after visiting an Industrial Visit.
(Excellent / [✓ Good] / Average / Below Average)

6 State any two vital Experiences that had been gained from the industrial visit:

During the process I have learnt the new technologies going in the market & Team management

7. Ability to acquire new skills:

Devops for Web Development

8.Do you want an Industrial visit in future([✓ Yes]/No) Yes

9.Did you face any challenges during your internship?

Limited Time made me to keep more efforts to achieve the target.

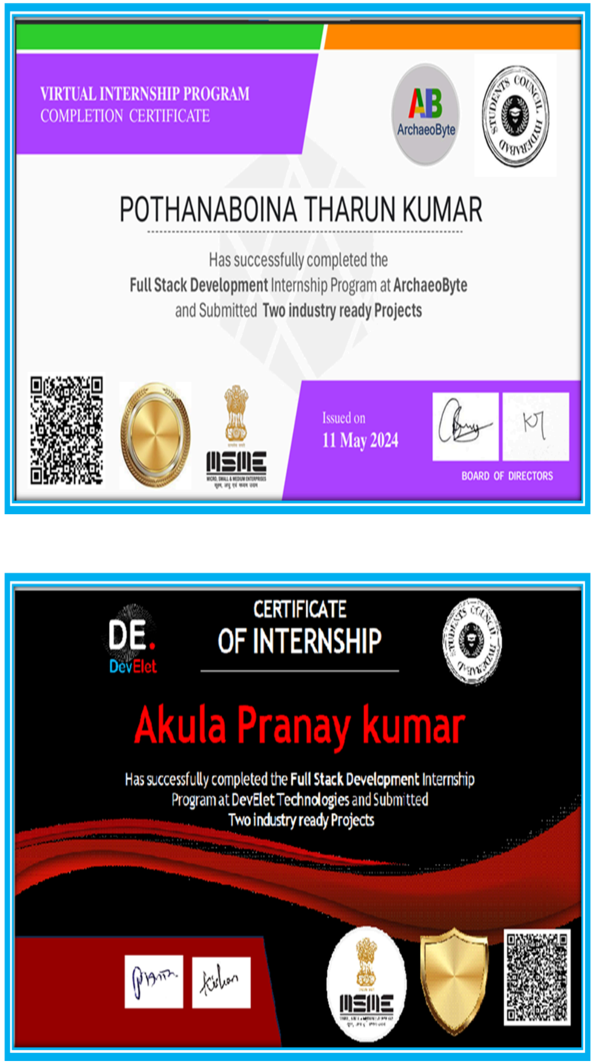
Manoj

Signature of the student

HOD

Figure 2.2.5.2 Sample Industrial visit Feedback form

The sample Internship certificate is shown in figure 2.2.5.3 below



VIRTUAL INTERNSHIP PROGRAM
COMPLETION CERTIFICATE

ArchaeoByte

POTHANABOINA THARUN KUMAR

Has successfully completed the
Full Stack Development Internship Program at **ArchaeoByte**
and Submitted **Two industry ready Projects**

Issued on
11 May 2024

BOARD OF DIRECTORS

DE.
DevElet

CERTIFICATE
OF INTERNSHIP

Akula Pranay kumar

Has successfully completed the **Full Stack Development** Internship
Program at DevElet Technologies and Submitted
Two industry ready Projects

Figure 2.2.5.3 Sample Internship certificate from student.

INDUSTRIAL VISIT:

Main aim of industrial visit is to provide an exposure to students about practical working environment. They also provide students a good opportunity to gain full awareness about industrial practices. Through industrial visit students get awareness about new technologies. Technology development is a main factor, about which a students should have a good knowledge. Visiting different companies actually help students to build a good relationship with those companies. We know building relationship with companies always help to gain a good job in future. After visiting an industry students can gain a combined knowledge about both theory and practice. Students will be more concerned about getting a job after undertaking an industrial visit. The following table 2.2.5.6 depicts the industrial visit from 2022 to 2025.

Table 2.2.5.6 Details of Industry visits.

S.No	DATE	NAME OF THE EVENT	RESOURCE PERSON	DESIGNATION & ADDRESS	HIGHLIGHTS OF EVENT/ MOTO
1	30/3/24	Industrial Visit To Microsoft	Mr. Mohan Naidu	DNS.ISOC Chairman & overall coordinator of the program	They provided exposure to the students about the practical working environment with theoretical learning. They provided students a good opportunity to achieve full awareness about industrial practices and working in Data Analytics.
			Mr. P. Gopinath	Scientist-E,CDAC Bangaluru	
2	13/07/23	Industrial Visit T- HUB	-	T- HUB in Raidurg, Hyderabad, Telangana.	Students got awareness about the T-HUB unparalleled support, resources, and opportunities and the environment setup for Startups. T-HUB strives to create impact for startups, cooperation and other ecosystem stake holders.
3	18/08/23	Industrial Visit to VIRTUSA	Mr. DSK Chakravarthy,	Agile Coach and Software Delivery Manager at Virtusa,	1. Gain an understanding of the operations and work culture at Virtusa Company. 2. Witness real-world applications of concepts studied during the academic curriculum. 3. Interact with industry professionals and learn about career opportunities in the IT sector. 4. Explore the latest technological advancements and innovations in the field.
4	05/08/23	Industrial Visit to Intel UNNATI	Mr.SAndeep,Project Manager	INTEL UNNATI,Bangalore	An opportunity for students to know about industry relevant challenges and solutions using emerging technologies like Deep learning and Artificial Intelligence.

5.	18/8/23	Industrial Visit to HAL Hyderabad.	Mr.Ravi,Project Head	-HAL,Hyderabad	Explore different types of products made by HAL like Drones etc.

The figure 2.2.5.4 below shows the sample photos of students images during the industrial visit.

Figure 2.2.5.4 Sample Photos of Industrial Visit.

3 COURSE OUTCOMES AND PROGRAM OUTCOMES (175)

Total Marks 175.00

Define the Program specific outcomes

:

PSO1	Fundamentals and critical knowledge of the Computer System: - Able to Understand the working principles of the computer System and its components, Apply the knowledge to build, asses, and analyze the software and hardware aspects of it
PSO2	The comprehensive and Applicative knowledge of Software Development: Comprehensive skills of Programming Languages, Software process models, methodologies, and able to plan, develop, test, analyze, and manage the software and hardware intensive systems in heterogeneous platforms individually or working in teams.
PSO3	Applications of Computing Domain & Research: Able to use the professional, managerial, interdisciplinary skill set, and domain specific tools in development processes, identify the research gaps, and provide innovative solutions to them

3.1 Establish the correlation between the courses and the Program Outcomes (POs) & Program Specific Outcomes (25)

Total Marks 25.00

Institute Marks : 25.00

No. of Core Courses : 6	**C2 :** 2	**C3 :** 2	**C4 :** 2

Note : Number of Outcomes for a Course is expected to be around 6.

Course Name :	**C2 01**	**Course Year :**	**2023-2024**

Course Name	Statements
C2 01.1	Interpret the concepts of Object-Oriented Programming as used in Python.
C2 01.2	Know the usage of various searching and sorting techniques.
C2 01.3	Implement Linear data structures like stack ,Queue and Linked Lists.
C2 01.4	Illustrate the concepts of Dictionaries and graphs.
C2 01.5	Implement various types of trees.

Course Name :	**C2 13**	**Course Year :**	**2023-2024**

Course Name	Statements
C2 13.1	Ability to apply concepts of operating system.
C2 13.2	Ability to write shell programs and simulate process scheduling algorithms.
C2 13.3	Skills to analyze memory management and deadlocks situations.
C2 13.4	An ability to develop programs using system calls and utilities.
C2 13.5	Capability to compare various file systems.

Course Name :	**C3 01**	**Course Year :**	**2023-2024**

Course Name	Statements
C3 01.1	Identify the minimum requirements for the development of application.
C3 01.2	Develop, maintain, efficient, reliable and cost effective software solutions.
C3 01.3	Critically thinking and evaluate assumptions and arguments.
C3 01.4	Test and maintain process in an object orient software project.
C3 01.5	Ensure good quality software through quality assurance.

Course Name :	**C3 21**	**Course Year :**	**2023-2024**

Course Name	Statements
C3 21.1	Analyze the concepts and able to prepare the dataset for different Machine learning models
C3 21.2	Identify and Apply appropriate Supervised Learning models.
C3 21.3	Build and Design Neural Network models for the given data.
C3 21.4	Perform Evaluation of Machine Learning algorithms and Model Selection.
C3 21.5	Compare supervised, un-supervised and Reinforcement learning models.

Course Name :	**C4 02**	**Course Year :**	**2023-2024**

Course Name	Statements
C4 02.1	Ability to analyze various service delivery models of cloud computing.
C4 02.2	Ability to interpret the ways in which the cloud can be programmed and deployed.
C4 02.3	Ability to comprehend the virtualization and cloud computing concepts
C4 02.4	Assess the comparative advantages and disadvantages of Virtualization technology
C4 02.5	Analyze security issues in cloud computing.

Course Name :	**C4 13**	**Course Year :**	**2023-2024**

Course Name	Statements
C4 13.1	Students will be able to understand the concept of innovation and new product development.
C4 13.2	Startup opportunities and startup equation.
C4 13.3	New venture creation opportunities, its resources, and Requirements.
C4 13.4	The Entrepreneurial Mindset and new trends in entrepreneurship.
C4 13.5	Strategic perspectives in Entrepreneurship.

Course Articulation Matrix :

1 . course name : C201

Course	Statements	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C201.1	Interpret th	3	3	3	2	3	1	-	-	3	3	-	3
C201.2	Know the u	3	3	3	2	2	1	-	1	3	3	-	3
C201.3	Implement	3	3	3	3	3	1	1	-	3	3	-	3
C201.4	Illustrate th	3	3	3	3	3	1	-	1	3	3	3	3
C201.5	Implement	3	3	3	3	3	1	1	-	2	3	3	3
Average		**3.00**	**3.00**	**3.00**	**2.60**	**2.80**	**1.00**	**1.00**	**1.00**	**2.80**	**3.00**	**3.00**	**3.00**

2 . course name : C213

Course	Statements	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C213.1	Ability to ap	3	3	3	3	3	-	-	-	2	2	1	3
C213.2	Ability to wr	3	3	3	3	3	1	-	-	3	2	2	3
C213.3	Skills to an	3	3	3	3	3	-	-	-	3	2	1	3
C213.4	An ability t	3	3	3	3	3	1	1	-	3	3	2	3
C213.5	Capability t	3	3	3	3	3	-	1	1	2	2	2	3
Average		**3.00**	**3.00**	**3.00**	**3.00**	**3.00**	**1.00**	**1.00**	**1.00**	**2.60**	**2.20**	**1.60**	**3.00**

3 . course name : C301

Course	Statements	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C301.1	Identify the	3	3	3	2	2	-	-	-	2	2	2	3
C301.2	Develop, m	3	3	3	3	3	1	1	-	2	2	3	3
C301.3	Critically thi	3	3	3	3	2	1	-	-	3	2	2	3
C301.4	Test and m	3	3	3	3	3	-	-	-	2	2	2	3
C301.5	Ensure goo	3	3	3	3	3	2	1	1	2	2	2	3
Average		**3.00**	**3.00**	**3.00**	**2.80**	**2.60**	**1.30**	**1.00**	**1.00**	**2.20**	**2.00**	**2.20**	**3.00**

4 . course name : C321

Course	Statements	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C321.1	Analyze the	3	3	3	2	3	-	-	-	2	2	-	3
C321.2	Identify and	3	3	3	2	3	1	-	-	2	2	-	3
C321.3	Build and D	3	3	3	3	3	1	-	-	3	2	3	3
C321.4	Perform Ev	3	3	3	3	3	1	-	-	3	2	3	3
C321.5	Compare s	3	3	3	2	3	1	-	-	3	2	3	3
Average		**3.00**	**3.00**	**3.00**	**2.40**	**3.00**	**1.00**	**0.00**	**0.00**	**2.60**	**2.00**	**3.00**	**3.00**

5 . course name : C402

Course	Statements	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C402.1	Ability to an	3	3	2	2	3	1	-	-	-	2	3	3
C402.2	Ability to int	3	3	3	2	3	2	-	-	-	-	2	3
C402.3	Ability to co	3	3	3	2	3	-	-	-	-	2	-	3
C402.4	Assess the	3	3	3	2	3	-	-	-	2	-	3	3
C402.5	Analyze se	3	3	3	3	3	2	2	1	-	-	-	3
Average		**3.00**	**3.00**	**2.80**	**2.20**	**3.00**	**1.67**	**2.00**	**1.00**	**2.00**	**2.00**	**2.67**	**3.00**

6 . course name : C413

Course	Statements	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C413.1	Students w	2	2	2	-	-	-	1	-	-	-	-	2
C413.2	Startup opp	-	1	2	-	-	2	2	-	-	-	-	2
C413.3	New ventur	2	2	3	-	-	2	2	-	-	-	-	2
C413.4	The Entrep	3	1	2	-	-	-	2	-	-	-	-	1
C413.5	Strategic pe	2	2	3	-	-	2	2	-	2	2	3	2
Average		**2.25**	**1.60**	**2.40**	**0.00**	**0.00**	**2.00**	**1.80**	**0.00**	**2.00**	**2.00**	**3.00**	**1.80**

1 . Course Name : C201

Course	PSO1	PSO2	PSO3
C201.1	3	2	2
C201.2	3	2	3
C201.3	3	3	2
C201.4	3	3	3
C201.5	3	3	3
Average	**3.00**	**2.60**	**2.60**

2 . Course Name : C213

Course	PSO1	PSO2	PSO3
C213.1	3	3	3
C213.2	3	3	3
C213.3	3	3	3
C213.4	3	3	3
C213.5	3	3	3
Average	**3.00**	**3.00**	**3.00**

3 . Course Name : C301

Course	PSO1	PSO2	PSO3
C301.1	3	3	2
C301.2	3	3	3
C301.3	3	3	3
C301.4	3	3	3
C301.5	3	3	3
Average	**3.00**	**3.00**	**2.80**

4 . Course Name : C321

Course	PSO1	PSO2	PSO3
C321.1	3	3	3
C321.2	3	3	3
C321.3	3	3	3
C321.4	3	3	3
C321.5	3	3	3
Average	**3.00**	**3.00**	**3.00**

5 . Course Name : C402

Course	PSO1	PSO2	PSO3
C402.1	3	3	2
C402.2	3	3	3
C402.3	3	3	2
C402.4	3	3	3
C402.5	3	3	3
Average	**3.00**	**3.00**	**2.60**

6 . Course Name : C413

Course	PSO1	PSO2	PSO3
C413.1	2	1	2
C413.2	-	-	2
C413.3	2	-	3
C413.4	1	-	2
C413.5	2	1	3
Average	**1.75**	**1.00**	**2.40**

Program Articulation Matrix :

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CS101	1	1.5	0	1	0	3	0	3	2	3	0	3
CS102	3	2.4	2.5	1.67	2.33	0	0	0	0	0	0	3
CS103	1.8	3	2.8	2	1.8	1.8	2.8	2.2	1.8	3	2	3
CS104	3	3	3	3	3	3	3	0	3	3	0	3
CS105	3	2.8	2.2	2.4	3	1	1	1	2.4	2.8	1	2.6
CS106	1.5	3	0	3	2	0	2	0	2.67	3	2	3
CS107	2.2	2.8	3	2	2	2.2	2.8	2.6	1.8	2.8	2.5	2.8
CS108	3	2.8	2.2	2.2	3	1	1.2	1	2.8	2.8	3	2.6
CS110	1	1.5	0	1	0	3	0	2.5	2	3	0	3
CS111	2.6	3	2.2	1.67	2	2	0	0	0	0	1	3
CS112	3	3	3	3	0	0	0	3	3	3	3	3
CS113	3	2	2.2	3	0	0	0	0	0	0	0	2
CS114	3	2.8	2.2	2.2	3	1	1.2	1	2.8	2.8	3	2.6
CS115	1.6	1.67	1.67	1.67	1.75	1.67	0	1.6	1.67	1.33	0	3
CS116	3	2.8	2.2	2.2	3	1	1.2	1	2.8	2.8	1	2.6
CS117	3	3	3	3	3	3	3	3	3	3	3	3
CS201	3	3	3	3	3	1	0	0	2.4	2.4	1.6	3
CS202	3	3	3	3	3	1	1	1	2.2	2.2	1.6	3
CS203	3	3	2.8	3	2.8	1	1	1	2.6	2.2	1.25	3
CS204	3	2.8	2.8	2.6	3	1	1	1	2.4	2.2	1	3
CS205	3	3	2.6	3	3	2	2	0	2	2	2.4	3
CS206	3	2.8	2.8	2.8	2.8	2.8	2	3	2	2.6	2.8	3
CS207	3	3	2.8	2.6	2.8	1	1	1	2.6	2.2	2.75	3
CS208	3	3	3	2.6	3	1	1	1	2.8	2.2	3	3
CS210	2.6	2.8	2.6	2.2	2	1.5	1	1	2	2	2.5	2.2
CS211	3	3	3	2.6	3	1	1	1	3	2.6	3	3
CS212	3	3	3	2.6	3	1.6	1	1	3	3	2.4	2.2
CS213	3	3	2.8	2.2	2.6	1.4	1	1	3	3	2.4	3

CS214	3	3	2.6	2.4	2.4	1.4	1	0	3	3	2.2	3
CS217	3	2.4	1.4	2	2	3	2.4	3	2	2.4	1.75	3
CS220	3	3	2.6	2.6	2.6	1.3	0	0	2.4	2.6	3	3
CS221	3	3	3	2.8	2.6	1.3	0	0	2.4	2.4	3	3
CS301	3	3	3	2.8	2.6	1.3	1	1	2.2	2	2.2	3
CS302	3	3	2.8	2.8	2.8	1	1	1	2.4	2.4	2	3
CS303	3	3	2.8	2.8	2.8	1	1	0	2.4	2.2	3	3
CS304	3	2.8	2.8	2.8	2.8	1.4	1.4	1.5	2.8	2.6	2	3
CS309	3	3	3	2.4	3	1	1	1	2.4	2.4	2.75	3
CS313	3	2.8	2.8	2.8	3	2.2	2.2	0	2	2.2	2.8	3
CS316	3	3	2.8	2.8	2.8	1.25	0	0	2.4	2.2	3	3
CS317	3	3	2.8	3	2.8	1	0	0	2.6	2.4	3	3
CS318	3	3	3	2.6	3	3	0	2.5	3	3	3	2.8
CS320	3	3	3	2.4	3	1	0	0	2.6	2.2	2.75	3
CS321	3	3	3	2.4	3	1	0	0	2.6	2	3	3
CS322	3	3	2.8	2.8	3	1	0	0	2.6	2	2	3
CS325	3	2.8	2.67	2.6	2	1	1	2	2.3	1.5	2.3	3
CS328	3	2.8	2.8	2.8	3	2.2	2.33	2	2	2.2	2.8	3
CS334	3	2.8	3	2.8	3	1	0	0	2	1.6	2.67	2.8
CS335	3	2.8	3	2.8	3	1.8	1.4	1	1.67	0	0	2.8
CS336	3	3	3	2.6	3	3	0	2.5	3	3	3	2.8
CS401	3	3	3	2.8	3	1.8	1.4	1	3	2	2.2	3
CS402	3	3	2.8	2.2	3	1.67	2	1	2	2	2.67	3
CS403	3	2.6	2.6	2.2	3	2	2.75	2.5	3	3	2.25	3
CS405	3	3	2.8	2.2	3	1.67	2	1	2	2	2.33	3
CS407	3	3	2.6	2.8	2.8	0	2.67	2.8	2.6	2.6	2.6	3
CS410	3	2.6	3	3	3	3	3	2.8	2.6	2.8	2.75	3
CS411	3	3	2.8	3	3	2	2.25	2.4	3	3	3	2.8
CS412	3	2.6	2.75	2.67	3	3	3	3	3	2.8	2.8	3

CS413	2.25	1.6	2.4	0	0	2	1.8	0	2	2	3	1.8
CS414	3	2.6	2.75	3	3	3	3	3	2.8	2.8	2.8	3

Course	PSO1	PSO2	PSO3
CS101	2.8	2.6	0
CS102	3	2	0
CS103	3	2.2	2
CS104	3	2.2	0
CS105	3	3	2.8
CS106	2.8	2.6	0
CS107	3	2.2	2
CS108	3	3	2.8
CS110	2.8	2.6	0
CS111	3	2	0
CS112	2.2	3	0
CS113	3	2	2
CS114	3	3	2.8
CS115	2.2	3	0
CS116	3	3	2.8
CS117	2.8	2.6	0
CS201	3	3	2.4
CS202	3	3	3
CS203	3	2.8	3
CS204	3	2.8	3
CS205	3	2.8	3
CS206	3	2.8	2.8
CS207	3	2.8	2.8
CS208	3	3	2.8
CS210	2.6	2.6	2.2
CS211	3	3	2.8

CS212	3	3	3
CS213	3	3	2.6
CS214	3	3	2.6
CS217	2.2	3	2.6
CS220	3	3	2.6
CS221	3	3	3
CS301	3	3	2.8
CS302	3	3	3
CS303	3	3	2.8
CS304	3	3	2.8
CS309	3	3	3
CS313	3	2.8	2.8
CS316	3	2.8	2.8
CS317	3	2.8	2.8
CS318	2.8	3	2.4
CS320	3	3	3
CS321	3	3	3
CS322	3	3	2.8
CS325	2.8	3	2.6
CS328	3	2.8	3
CS334	3	3	2.8
CS335	3	2.8	2.8
CS336	2.8	3	2.4
CS401	3	3	3
CS402	3	3	2.6
CS403	3	2.6	2.6
CS405	3	3	2.6
CS407	3	2.8	2.8
CS410	3	2.6	2

CS411	2.8	3	2.8
CS412	2.6	2.6	2.5
CS413	1.75	1	2.4
CS414	2.6	2.6	3

3.2 Attainment of Course Outcomes (75)

Total Marks 75.00

3.2.1 Describe the assessment tools and processes used to gather the data upon which the evaluation of Course Outcome is based (10) Institute Marks : 10.00

The efficiency and effectiveness of the processes defined to collect data and information that is necessary to evaluate the performance plays an essential role in outcomes assessment. We defined the following set of methods to collect the data needed to evaluate the performance of students in direct approach. Apart from this, we also collected data needed to evaluate the performance of the students in indirect methods such as Employer survey, Parents, and Alumni survey etc. In evaluating the direct outcomes that depend on program courses, we used the processes explained below.

Assignments: The assignment is a qualitative performance assessment tool designed to assess student's knowledge of engineering practices, framework, and problem solving. This is conducted twice in a semester for each course and helps in assessing the student's knowledge in problem solving and analysis.

Descriptive Exam: This type of performance assessment is carried out during the examination sessions which are held twice a semester. Each and every section is focused in attaining the course outcomes. This is conducted twice in a semester for each course and helps in assessing the students' knowledge in understanding, problem solving and analysis.

Final Examinations: Further ensure that students attain the course outcomes and hence the program outcomes. Additionally, the examinations ensure that only those students who have attained the program outcomes are actually awarded the program certificate. This is conducted once in a semester by the University for each Course and helps in assessing the students' knowledge in understanding, comprehensive and analytical skills.

Practical Exams: The practical exam is a application knowledge assessment tool. This is conducted twice by the internal examiner during the semester, and one external exam at the end of the semester by the laboratory in charge and university appointed external examiner.

Industry Oriented Project: Are given to students and evaluated, keeping them updated with the latest technical knowhow. Industry Oriented Project is conducted in the II year II semester for R22 Regulation of the program in which student has to choose one interesting topic or problem to solve and come out with an executable application, or a model or a prototype of the solution. Student's abilities in applying the process specific algorithms, design and implementation, managerial skills of the students are evaluated.

Application Development: Are given to students and evaluated, keeping them updated with the latest technical knowhow. Application Development-1 is conducted in the III year I semester of the program and Application Development-2 is conducted in the III year II semester of the program in which student has to choose one interesting topic or problem to solve and come out with an executable application, or a model or a prototype of the solution. Student's abilities in applying the process specific algorithms, design and implementation, managerial skills of the students are evaluated.

Mini projects: Are given to students and evaluated, keeping them updated with the latest technical knowhow. This is conducted after the IV year I semester of the program in which student has to choose one interesting topic or problem to solve and come out with an executable application, or a model or a prototype of the solution. Student's abilities in applying the process specific algorithms, design and implementation, managerial skills of the students are evaluated.

Major project: This is a task or an activity given to an individual or group of students that is finished over a period of time and is intended to accomplish a particular task. This is similar to mini project but with a larger scope in which the students' abilities in problem analysis, Design, Implementation, and Testing are assessed apart from documentation and presentation skills. These skills are assessed in two formats i.e., internally by the project review committee (PRC) during the final year II semester, and externally by the university appointed examiner at the end of the final year.

3.2.2 Record the attainment of Course Outcomes of all courses with respect to set attainment levels (65) Institute Marks : 65.00

Step-1: Assessment – CO matrix (Table: 1)

Assessment types used for obtaining Assessment-CO Matrix are:

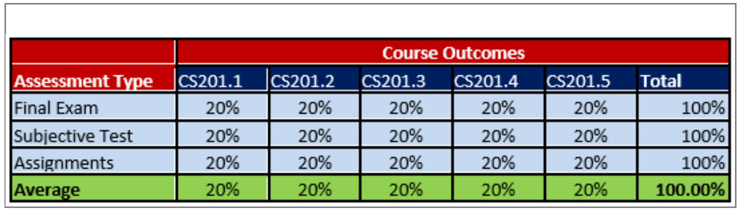
1. External Exam
2. Subjective Test
3. Assignments
4. Project/Application Development/ Industry Oriented Project(R22)
5. Practical Exam

Based on Course Outcomes defined for each course, the Assessment-CO Matrix is obtained by reflecting percentage of COs contributed in each assessment type.

Finally, the average percentage of each CO is calculated which will be considered to calculate the target value to assess whether a particular CO is attained or not for a particular course.

For example, the Assessment-CO matrix table for the course Data Structures is shown below:

Table 1: Assessment- CO Matrix (Autonomous-R20 & R22)

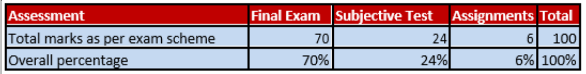


	Course Outcomes					
Assessment Type	**CS201.1**	**CS201.2**	**CS201.3**	**CS201.4**	**CS201.5**	**Total**
Final Exam	20%	20%	20%	20%	20%	100%
Subjective Test	20%	20%	20%	20%	20%	100%
Assignments	20%	20%	20%	20%	20%	100%
Average	20%	20%	20%	20%	20%	**100.00%**

Step-2: Overall Percentage Distribution (Table: 2)

As per the **Autonomous Regulation (R18 & R20)**, the Overall Percentage Distribution is shown below which is useful in calculation of attainment of COs

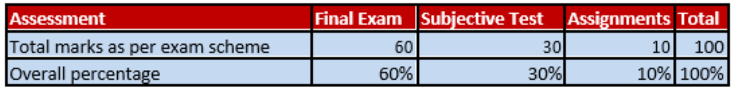
Table 2 (a): Overall Percentage Distribution



Assessment	Final Exam	Subjective Test	Assignments	Total
Total marks as per exam scheme	70	24	6	100
Overall percentage	70%	24%	6%	100%

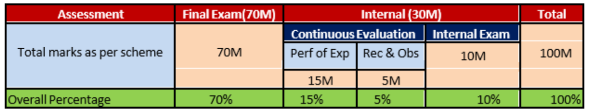
As per the **Autonomous Regulation (R22)**, the Overall Percentage Distribution is shown below which is useful in calculation of attainment of Cos

Table 2 (b): Overall Percentage Distribution



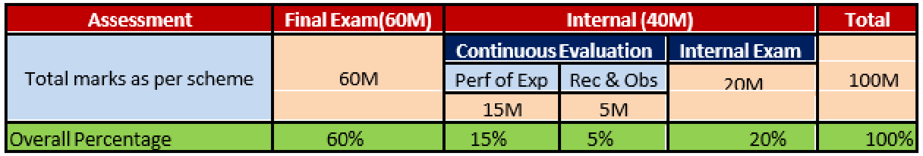
Assessment	Final Exam	Subjective Test	Assignments	Total
Total marks as per exam scheme	60	30	10	100
Overall percentage	60%	30%	10%	100%

Table2(c): Overall Percentage Distribution for Labs for R18 & R20



Assessment	Final Exam(70M)	Internal (30M)			Total
		Continuous Evaluation		Internal Exam	
Total marks as per scheme	70M	Perf of Exp	Rec & Obs	10M	100M
		15M	5M		
Overall Percentage	70%	15%	5%	10%	100%

Table2(d): Overall Percentage Distribution for Labs for R22

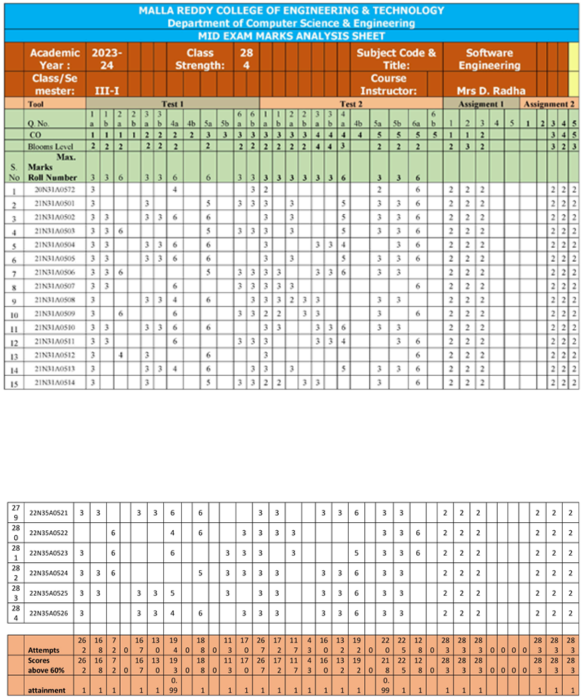


Assessment	Final Exam(60M)	Internal (40M)			Total
Total marks as per scheme	60M	Continuous Evaluation		Internal Exam	
		Perf of Exp	Rec & Obs	20M	100M
		15M	5M		
Overall Percentage	60%	15%	5%	20%	100%

Step-3: Student Marks according to each assessment group (Table: 3)

Student Marks are to be recorded as per the assessment type mentioned in Table 1. The marks are to be recorded for all the students. In the table shown below, a sample of 15 student’s marks is shown for Autonomous R20 regulation.

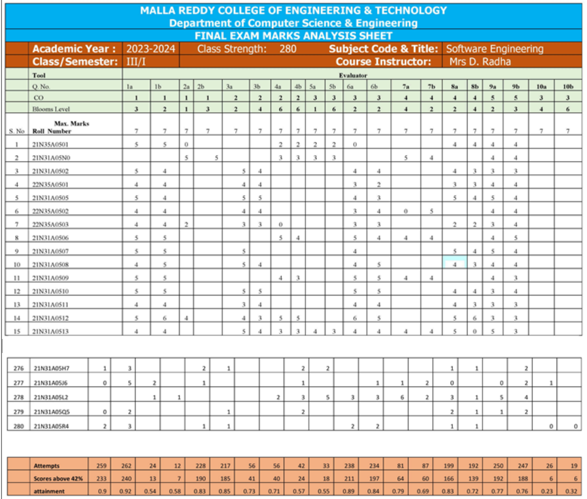
Table 3: Students marks according to the assessment type applicable



MALLA REDDY COLLEGE OF ENGINEERING & TECHNOLOGY
Department of Computer Science & Engineering
MID EXAM MARKS ANALYSIS SHEET

Academic Year : 2023-24 **Class Strength:** 284 **Subject Code & Title:** Software Engineering
Class/Semester: III-I **Course Instructor:** Mrs D. Radha

	Tool	Test 1												Test 2												Assigment 1					Assignment 2				
	Q. No.	1a	1b	2a	2b	3a	3b	4a	4b	5a	5b	6a	6b	1a	1b	2a	2b	3a	3b	4a	4b	5a	5b	6a	6b	1	2	3	4	5	1	2	3	4	5
	CO	1	1	1	1	2	2	2	2	3	3	3	3	3	3	3	3	4	4	4	4	5	5	5	5	1	1	2					3	4	5
	Blooms Level	2	2	2		2	2	2		2		2	2	2	2	2	2	4	4	3		2	2	2		2	3	2					3	2	3
S. No	Max. Marks Roll Number	3	3	6		3	3	6		6		3	3	3	3	3	3	3	3	6		3	3	6											
1	20N31A0572	3						4					3	2								2		6		2	2	2					2	2	2
2	21N31A0501	3				3				5		3	3	3		3				5		3	3	6		2	2	2					2	2	2
3	21N31A0502	3	3			3	3	6		6				3		3				5		3	3	6		2	2	2					2	2	2
4	21N31A0503	3	3	6						5		3	3	3		3				5		3	3	6		2	2	2					2	2	2
5	21N31A0504	3	3			3	3	6		6				3				3	3	4			3	6		2	2	2					2	2	2
6	21N31A0505	3	3			3	3	6		6				3		3				5		3	3	6		2	2	2					2	2	2
7	21N31A0506	3	3	6						5		3	3	3	3			3	3	6		3	3			2	2	2					2	2	2
8	21N31A0507	3	3					6				3	3	3	3	3								6		2	2	2					2	2	2
9	21N31A0508	3				3	3	4		6			3	3	3	2	3	3				3	3			2	2	2					2	2	2
10	21N31A0509	3		6				6				3	3	2	2		3	3				3		6		2	2	2					2	2	2
11	21N31A0510	3	3			3	3	6		6				3	3			3	3	6		3	3			2	2	2					2	2	2
12	21N31A0511	3	3					6				3	3	3				3	3	4			3	6		2	2	2					2	2	2
13	21N31A0512	3		4		3				6				3										6		2	2	2					2	2	2
14	21N31A0513	3				3	3	4		6			3	3		3				5		3	3	6		2	2	2					2	2	2
15	21N31A0514	3				3				5		3	3	2	2		3	3				3		6		2	2	2					2	2	2
279	22N35A0521	3	3			3	3	6		6				3	3			3	3	6		3	3			2	2	2					2	2	2
280	22N35A0522			6				4		6			3	3	3	3						3	3	6		2	2	2					2	2	2
281	22N35A0523	3		6				6				3	3	3		3				5		3	3	6		2	2	2					2	2	2
282	22N35A0524	3	3	6						5		3	3	3	3			3	3	6		3	3			2	2	2					2	2	2
283	22N35A0525	3	3			3	3	5				3		3	3			3	3	6		3	3			2	2	2					2	2	2
284	22N35A0526	3				3	3	4		6			3	3	3			3	3	6		3	3			2	2	2					2	2	2
	Attempts	262	168	72	0	167	130	194	0	188	0	113	170	267	172	117	43	160	132	192	0	220	225	128	0	283	283	283	0	0	0	0	283	283	283
	Scores above 60%	262	168	72	0	167	130	193	0	188	0	113	170	267	172	117	43	160	132	192	0	218	225	128	0	283	283	283	0	0	0	0	283	283	283
	attainment	1	1	1		1	1	0.99		1		1	1	1	1	1	1	1	1	1		0.99	1	1		1	1	1					1	1	1



MALLA REDDY COLLEGE OF ENGINEERING & TECHNOLOGY
Department of Computer Science & Engineering
FINAL EXAM MARKS ANALYSIS SHEET

Academic Year : 2023-2024 Class Strength: 280 **Subject Code & Title:** Software Engineering
Class/Semester: III/I **Course Instructor:** Mrs D. Radha

	Tool	Evaluator																			
	Q. No.	1a	1b	2a	2b	3a	3b	4a	4b	5a	5b	6a	6b	7a	7b	8a	8b	9a	9b	10a	10b
	CO	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	4	5	5	3	3
	Blooms Level	3	2	1	3	2	4	6	6	1	6	2	2	4	2	2	4	2	3	4	6
S. No	Max. Marks Roll Number	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
1	21N35A0501	5	5	0				2	2	2	2	0				4	4	4	4		
2	21N31A05N0			5	5			3	3	3	3			5	4			4	4		
3	21N31A0502	5	4			5	4					4	4			4	3	3	3		
4	22N35A0501	4	4			4	4					3	2			3	3	4	4		
5	21N31A0505	5	4			5	5					4	3			5	4	5	4		
6	22N35A0502	4	4			4	4					3	4	0	5			4	4		
7	22N35A0503	4	4	2		3	3	0				3	3			2	2	3	4		
8	21N31A0506	5	5					5	4			5	4	4	4			4	5		
9	21N31A0507	5	5			5						4				5	4	5	4		
10	21N31A0508	4	5			5	4					4	5			4	3	4	4		
11	21N31A0509	5	5					4	3			5	5	4	4			4	3		
12	21N31A0510	5	5			5	5					5	5			4	4	3	4		
13	21N31A0511	4	4			3	4					4	4			4	3	3	3		
14	21N31A0512	5	6	4		4	3	5	5			6	5			5	6	3	3		
15	21N31A0513	4	4			5	4	3	3	4	3	4	4	4	4	5	0	5	3		
276	21N31A05H7	1	3			2	1			2	2					1	1		2		
277	21N31A05J6	0	5	2		1				1			1	1	2	0		0	2	1	
278	21N31A05L2			1	1				2	3	5	3	3	6	2	3	1	5	4		
279	21N31A05Q5	0	2				1			2						2	1	1	2		
280	21N31A05R4	2	3			1	1					2	2			1	1			0	0
	Attempts	259	262	24	12	228	217	56	56	42	33	238	234	81	87	199	192	250	247	26	19
	Scores above 42%	233	240	13	7	190	185	41	40	24	18	211	197	64	60	166	139	192	188	6	6
	attainment	0.9	0.92	0.54	0.58	0.83	0.85	0.73	0.71	0.57	0.55	0.89	0.84	0.79	0.69	0.83	0.72	0.77	0.76	0.23	0.32

Blooms Level: 1-Understanding 2-Remembering 3-Apply 4-Analyze 5-Evaluate 6-Create

Step-4: Defining Normalized Equation to obtain Course Outcome Attainment (Table 4)

R20 Regulation

CO1= (0.2*FE*0.70) + (0.2*Sub*0.24) + (0.2*A*0.06)

CO2= (0.2*FE*0.70) + (0.2*Sub*0.24) + (0.2*A*0.06)

CO3= (0.2*FE*0.70) + (0.2*Sub*0.24) + (0.2*A*0.06)

CO4= (0.2*FE*0.70) + (0.2*Sub*0.24) + (0.2*A*0.06)

CO5= (0.2*FE*0.70) + (0.2*Sub*0.24) + (0.2*A*0.06)

R22 Regulation

CO1= (0.2*FE*0.60) + (0.2*Sub*0.30) + (0.2*A*0.1)

CO2= (0.2*FE*0.60) + (0.2*Sub*0.30) + (0.2*A*0.1)

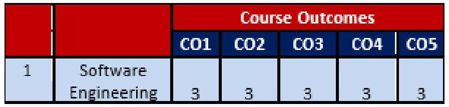
CO3= (0.2*FE*0.60) + (0.2*Sub*0.30) + (0.2*A*0.1)

CO4= (0.2*FE*0.60) + (0.2*Sub*0.30) + (0.2*A*0.1)

CO5= (0.2*FE*0.60) + (0.2*Sub*0.30) + (0.2*A*0.1)

Step-5: Course outcome Attainment according to CO% of Assessment methods (Table: 4)

Table 4: Course Outcome Attainment



		Course Outcomes				
		CO1	CO2	CO3	CO4	CO5
1	Software Engineering	3	3	3	3	3

Using the formula defined in Step-4, Course Outcome Attainment is calculated for all the students and a sample for 15 students is shown in above table3.

Step-6: Setting up a target for each CO

While defining the normalized equation for the target value of individual COs the following consideration are done

- 42% of Final Exam Marks
- 60 % of Subjective Marks
- 60% of Assignment Marks

In addition to the above list Overall percentage distribution in Table 2(a) and Average of individual Cos in Table (1) are considered.

R18 & R20 Regulation

Target for CO1= ((0.70*29.4) + (0.24*14.4) + (0.06*3.6))*0.2

Target for CO2= ((0.70*29.4) + (0.24*14.4) + (0.06*3.6))*0.2

Target for CO3= ((0.70*29.4) + (0.24*14.4) + (0.06*3.6))*0.2

Target for CO4= ((0.70*29.4) + (0.24*14.4) + (0.06*3.6))*0.2

Target for CO5= ((0.70*29.4) + (0.24*14.4) + (0.06*3.6))*0.2

R22 Regulation

Target for CO1= ((0.60*25.2) + (0.30*18) + (0.1*6))*0.2

Target for CO2= ((0.60*25.2) + (0.30*18) + (0.1*6))*0.2

Target for CO3= ((0.60*25.2) + (0.30*18) + (0.1*6))*0.2

Target for CO4= ((0.60*25.2) + (0.30*18) + (0.1*6))*0.2

Target for CO5= ((0.60*25.2) + (0.30*18) + (0.1*6))*0.2.

Similar procedure is followed for Labs

Step-7: Assessment of CO Attainment (Table: 5)

Find the percentage of students who reached the target of each individual COs (Step-6) using table 4.

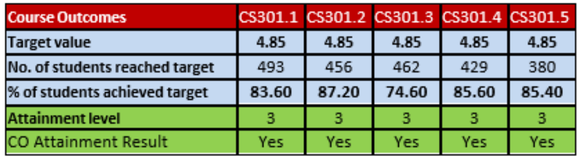
If 70% and above of Students have reached the target then the Attainment Level is 3

If 60% to 69% of Students have reached the target then the Attainment Level is 2

If 50% to 59% of Students have reached the target then the Attainment Level is 1

Below 50% then that particular CO is not attained.

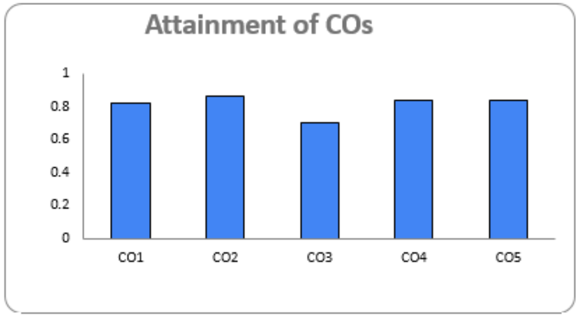
The CO attainments are tabulated as follows



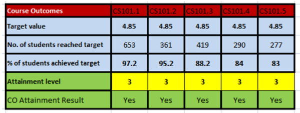
Course Outcomes	CS301.1	CS301.2	CS301.3	CS301.4	CS301.5
Target value	4.85	4.85	4.85	4.85	4.85
No. of students reached target	493	456	462	429	380
% of students achieved target	83.60	87.20	74.60	85.60	85.40
Attainment level	3	3	3	3	3
CO Attainment Result	Yes	Yes	Yes	Yes	Yes

The graphical representation is as shown below

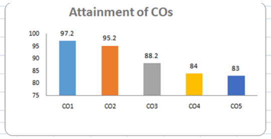
CS301:Software Engineering



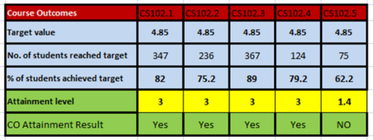
CS101:English



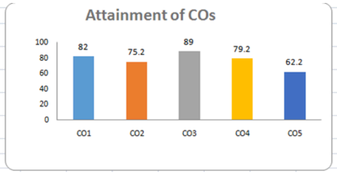
Course Outcomes	CS101.1	CS101.2	CS101.3	CS101.4	CS101.5
Target value	4.85	4.85	4.85	4.85	4.85
No. of students reached target	653	361	419	290	277
% of students achieved target	97.2	95.2	88.2	84	83
Attainment level	3	3	3	3	3
CO Attainment Result	Yes	Yes	Yes	Yes	Yes



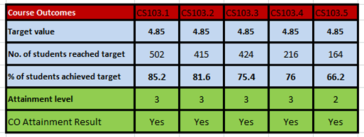
CS102:Mathematics – I



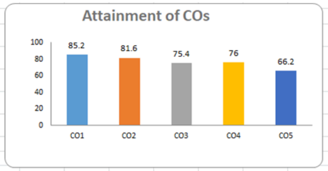
Course Outcomes	CS102.1	CS102.2	CS102.3	CS102.4	CS102.5
Target value	4.85	4.85	4.85	4.85	4.85
No. of students reached target	347	236	367	124	75
% of students achieved target	82	75.2	89	79.2	62.2
Attainment level	3	3	3	3	1.4
CO Attainment Result	Yes	Yes	Yes	Yes	NO



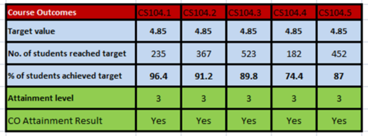
CS103:Basic Electrical Engineering



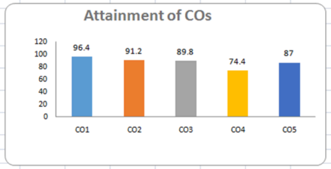
Course Outcomes	CS103.1	CS103.2	CS103.3	CS103.4	CS103.5
Target value	4.85	4.85	4.85	4.85	4.85
No. of students reached target	502	415	424	216	164
% of students achieved target	85.2	81.6	75.4	76	66.2
Attainment level	3	3	3	3	2
CO Attainment Result	Yes	Yes	Yes	Yes	Yes



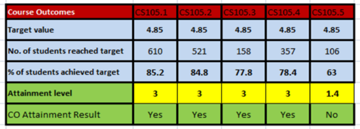
CS104:Computer Aided Engineering Graphics



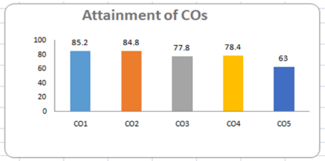
Course Outcomes	CS104.1	CS104.2	CS104.3	CS104.4	CS104.5
Target value	4.85	4.85	4.85	4.85	4.85
No. of students reached target	235	367	523	182	452
% of students achieved target	96.4	91.2	89.8	74.4	87
Attainment level	3	3	3	3	3
CO Attainment Result	Yes	Yes	Yes	Yes	Yes



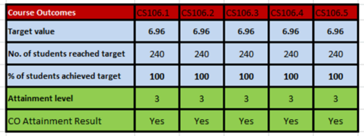
CS105:Programming for Problem Solving



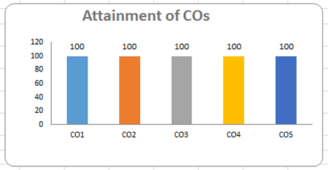
Course Outcomes	CS105.1	CS105.2	CS105.3	CS105.4	CS105.5
Target value	4.85	4.85	4.85	4.85	4.85
No. of students reached target	610	521	158	357	106
% of students achieved target	85.2	84.8	77.8	78.4	63
Attainment level	3	3	3	3	1.4
CO Attainment Result	Yes	Yes	Yes	Yes	No



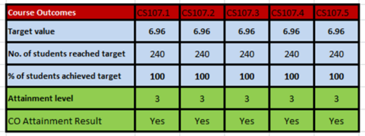
CS106:English Language Communication Skills Lab



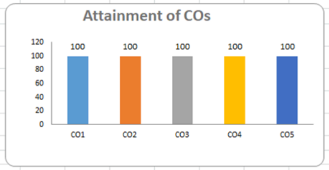
Course Outcomes	CS106.1	CS106.2	CS106.3	CS106.4	CS106.5
Target value	6.96	6.96	6.96	6.96	6.96
No. of students reached target	240	240	240	240	240
% of students achieved target	100	100	100	100	100
Attainment level	3	3	3	3	3
CO Attainment Result	Yes	Yes	Yes	Yes	Yes



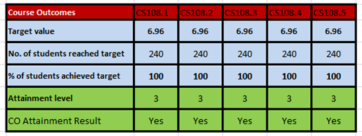
CS107:Basic Electrical Engineering Lab



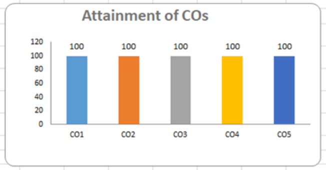
Course Outcomes	CS107.1	CS107.2	CS107.3	CS107.4	CS107.5
Target value	6.96	6.96	6.96	6.96	6.96
No. of students reached target	240	240	240	240	240
% of students achieved target	100	100	100	100	100
Attainment level	3	3	3	3	3
CO Attainment Result	Yes	Yes	Yes	Yes	Yes



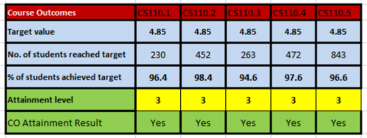
CS108:Programming for Problem Solving Lab



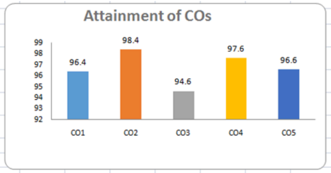
Course Outcomes	CS108.1	CS108.2	CS108.3	CS108.4	CS108.5
Target value	6.96	6.96	6.96	6.96	6.96
No. of students reached target	240	240	240	240	240
% of students achieved target	100	100	100	100	100
Attainment level	3	3	3	3	3
CO Attainment Result	Yes	Yes	Yes	Yes	Yes



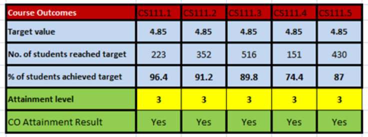
CS110:Professional English



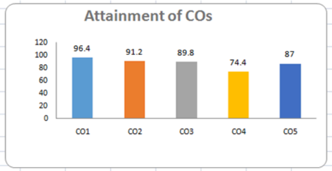
Course Outcomes	CS110.1	CS110.2	CS110.3	CS110.4	CS110.5
Target value	4.85	4.85	4.85	4.85	4.85
No. of students reached target	230	452	263	472	843
% of students achieved target	96.4	98.4	94.6	97.6	96.6
Attainment level	3	3	3	3	3
CO Attainment Result	Yes	Yes	Yes	Yes	Yes



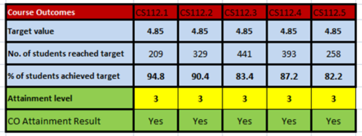
CS111:Mathematics – II



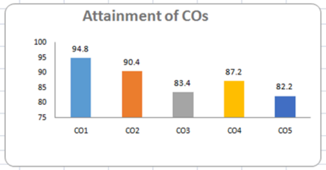
Course Outcomes	CS111.1	CS111.2	CS111.3	CS111.4	CS111.5
Target value	4.85	4.85	4.85	4.85	4.85
No. of students reached target	223	352	516	151	430
% of students achieved target	96.4	91.2	89.8	74.4	87
Attainment level	3	3	3	3	3
CO Attainment Result	Yes	Yes	Yes	Yes	Yes



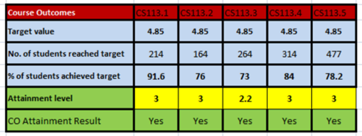
CS112:Applied Physics



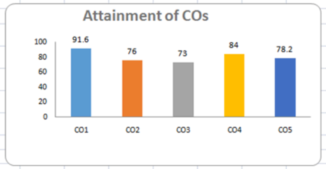
Course Outcomes	CS112.1	CS112.2	CS112.3	CS112.4	CS112.5
Target value	4.85	4.85	4.85	4.85	4.85
No. of students reached target	209	329	441	393	258
% of students achieved target	94.8	90.4	83.4	87.2	82.2
Attainment level	3	3	3	3	3
CO Attainment Result	Yes	Yes	Yes	Yes	Yes



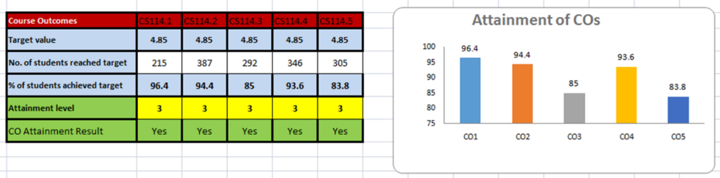
CS113:Analog and Digital Electronics



Course Outcomes	CS113.1	CS113.2	CS113.3	CS113.4	CS113.5
Target value	4.85	4.85	4.85	4.85	4.85
No. of students reached target	214	164	264	314	477
% of students achieved target	91.6	76	73	84	78.2
Attainment level	3	3	2.2	3	3
CO Attainment Result	Yes	Yes	Yes	Yes	Yes

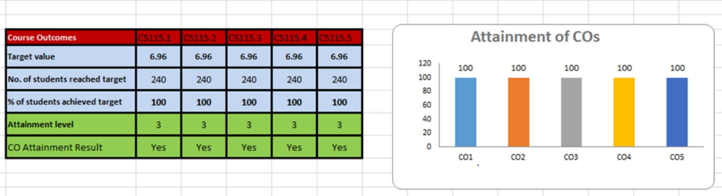


CS114:Python Programming



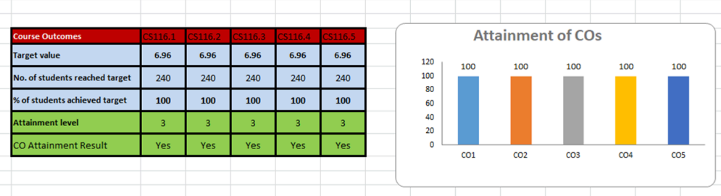
Course Outcomes	CS114.1	CS114.2	CS114.3	CS114.4	CS114.5
Target value	4.85	4.85	4.85	4.85	4.85
No. of students reached target	215	387	292	346	305
% of students achieved target	96.4	94.4	85	93.6	83.8
Attainment level	3	3	3	3	3
CO Attainment Result	Yes	Yes	Yes	Yes	Yes

CS115:Applied Physics Lab



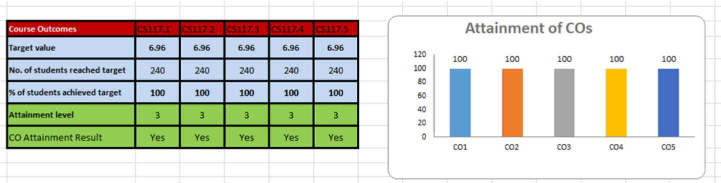
Course Outcomes	CS115.1	CS115.2	CS115.3	CS115.4	CS115.5
Target value	6.96	6.96	6.96	6.96	6.96
No. of students reached target	240	240	240	240	240
% of students achieved target	100	100	100	100	100
Attainment level	3	3	3	3	3
CO Attainment Result	Yes	Yes	Yes	Yes	Yes

CS116:Python Programming Lab



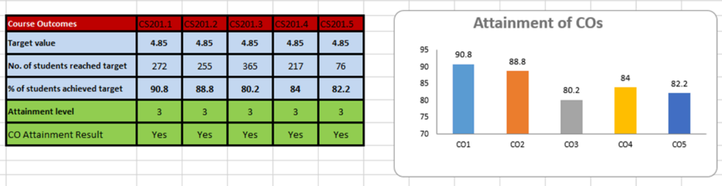
Course Outcomes	CS116.1	CS116.2	CS116.3	CS116.4	CS116.5
Target value	6.96	6.96	6.96	6.96	6.96
No. of students reached target	240	240	240	240	240
% of students achieved target	100	100	100	100	100
Attainment level	3	3	3	3	3
CO Attainment Result	Yes	Yes	Yes	Yes	Yes

CS117:Engineering and ITWorkshop



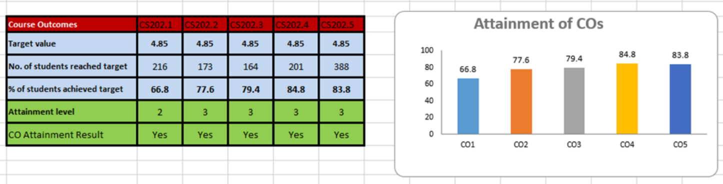
Course Outcomes	CS117.1	CS117.2	CS117.3	CS117.4	CS117.5
Target value	6.96	6.96	6.96	6.96	6.96
No. of students reached target	240	240	240	240	240
% of students achieved target	100	100	100	100	100
Attainment level	3	3	3	3	3
CO Attainment Result	Yes	Yes	Yes	Yes	Yes

CS201:Data Structures Using Python



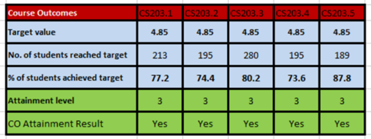
Course Outcomes	CS201.1	CS201.2	CS201.3	CS201.4	CS201.5
Target value	4.85	4.85	4.85	4.85	4.85
No. of students reached target	272	255	365	217	76
% of students achieved target	90.8	88.8	80.2	84	82.2
Attainment level	3	3	3	3	3
CO Attainment Result	Yes	Yes	Yes	Yes	Yes

CS202:Operating Systems

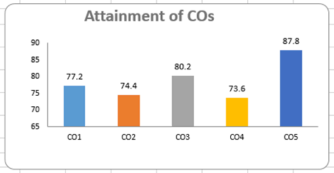


Course Outcomes	CS202.1	CS202.2	CS202.3	CS202.4	CS202.5
Target value	4.85	4.85	4.85	4.85	4.85
No. of students reached target	216	173	164	201	388
% of students achieved target	66.8	77.6	79.4	84.8	83.8
Attainment level	2	3	3	3	3
CO Attainment Result	Yes	Yes	Yes	Yes	Yes

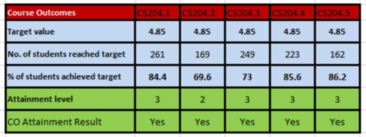
CS203:Design and Analysis of Algorithms



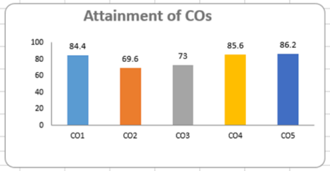
Course Outcomes	CS203.1	CS203.2	CS203.3	CS203.4	CS203.5
Target value	4.85	4.85	4.85	4.85	4.85
No. of students reached target	213	195	280	195	189
% of students achieved target	77.2	74.4	80.2	73.6	87.8
Attainment level	3	3	3	3	3
CO Attainment Result	Yes	Yes	Yes	Yes	Yes



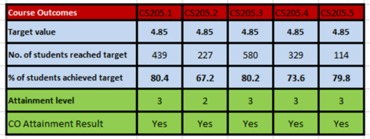
CS204:Computer Organization



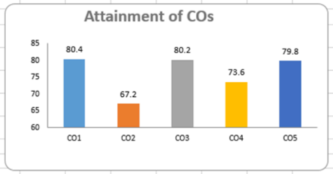
Course Outcomes	CS204.1	CS204.2	CS204.3	CS204.4	CS204.5
Target value	4.85	4.85	4.85	4.85	4.85
No. of students reached target	261	169	249	223	162
% of students achieved target	84.4	69.6	73	85.6	86.2
Attainment level	3	2	3	3	3
CO Attainment Result	Yes	Yes	Yes	Yes	Yes



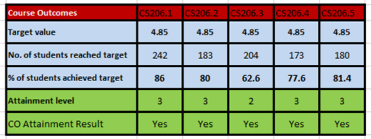
CS205:Probability and Statistics



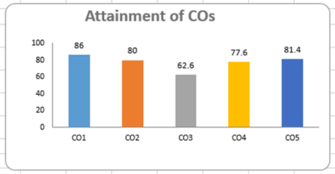
Course Outcomes	CS205.1	CS205.2	CS205.3	CS205.4	CS205.5
Target value	4.85	4.85	4.85	4.85	4.85
No. of students reached target	439	227	580	329	114
% of students achieved target	80.4	67.2	80.2	73.6	79.8
Attainment level	3	2	3	3	3
CO Attainment Result	Yes	Yes	Yes	Yes	Yes



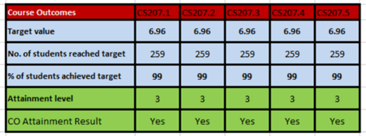
CS206:Managerial Economics and Financial Analysis



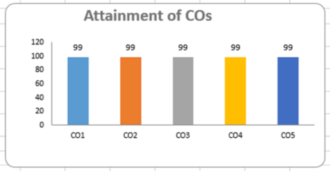
Course Outcomes	CS206.1	CS206.2	CS206.3	CS206.4	CS206.5
Target value	4.85	4.85	4.85	4.85	4.85
No. of students reached target	242	183	204	173	180
% of students achieved target	86	80	62.6	77.6	81.4
Attainment level	3	3	2	3	3
CO Attainment Result	Yes	Yes	Yes	Yes	Yes



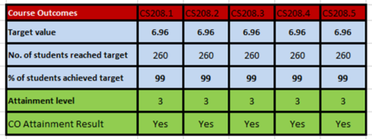
CS207:Data Structures using Python Lab



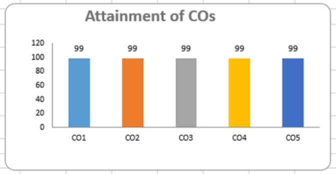
Course Outcomes	CS207.1	CS207.2	CS207.3	CS207.4	CS207.5
Target value	6.96	6.96	6.96	6.96	6.96
No. of students reached target	259	259	259	259	259
% of students achieved target	99	99	99	99	99
Attainment level	3	3	3	3	3
CO Attainment Result	Yes	Yes	Yes	Yes	Yes



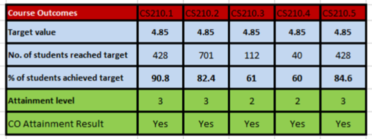
CS208:Operating Systems Lab



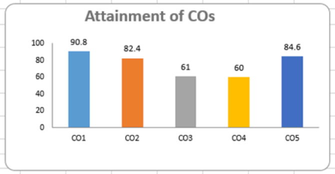
Course Outcomes	CS208.1	CS208.2	CS208.3	CS208.4	CS208.5
Target value	6.96	6.96	6.96	6.96	6.96
No. of students reached target	260	260	260	260	260
% of students achieved target	99	99	99	99	99
Attainment level	3	3	3	3	3
CO Attainment Result	Yes	Yes	Yes	Yes	Yes



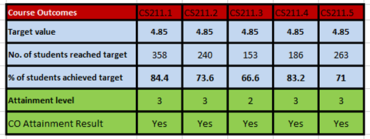
CS210:Discrete Mathematics



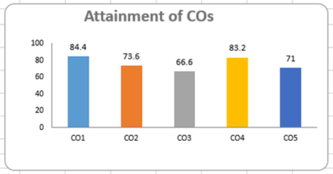
Course Outcomes	CS210.1	CS210.2	CS210.3	CS210.4	CS210.5
Target value	4.85	4.85	4.85	4.85	4.85
No. of students reached target	428	701	112	40	428
% of students achieved target	90.8	82.4	61	60	84.6
Attainment level	3	3	2	2	3
CO Attainment Result	Yes	Yes	Yes	Yes	Yes



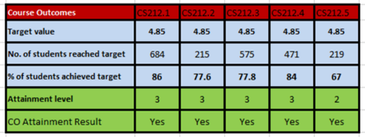
CS211:Formal Language and Automata Theory



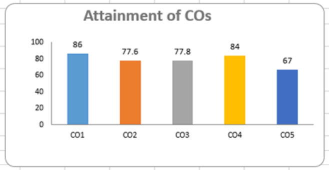
Course Outcomes	CS211.1	CS211.2	CS211.3	CS211.4	CS211.5
Target value	4.85	4.85	4.85	4.85	4.85
No. of students reached target	358	240	153	186	263
% of students achieved target	84.4	73.6	66.6	83.2	71
Attainment level	3	3	2	3	3
CO Attainment Result	Yes	Yes	Yes	Yes	Yes



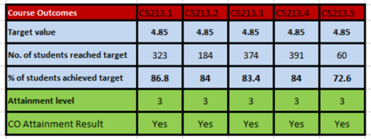
CS212:Object Oriented Programming through Java



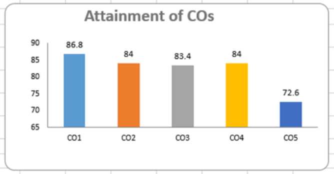
Course Outcomes	CS212.1	CS212.2	CS212.3	CS212.4	CS212.5
Target value	4.85	4.85	4.85	4.85	4.85
No. of students reached target	684	215	575	471	219
% of students achieved target	86	77.6	77.8	84	67
Attainment level	3	3	3	3	2
CO Attainment Result	Yes	Yes	Yes	Yes	Yes



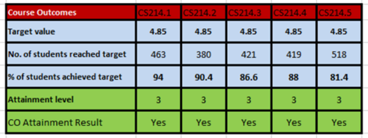
CS213:Database Management Systems



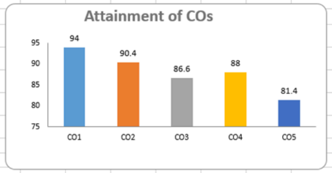
Course Outcomes	CS213.1	CS213.2	CS213.3	CS213.4	CS213.5
Target value	4.85	4.85	4.85	4.85	4.85
No. of students reached target	323	184	374	391	60
% of students achieved target	86.8	84	83.4	84	72.6
Attainment level	3	3	3	3	3
CO Attainment Result	Yes	Yes	Yes	Yes	Yes



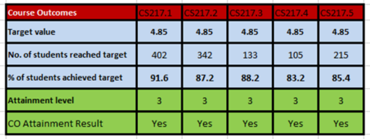
CS214:Computer Networks



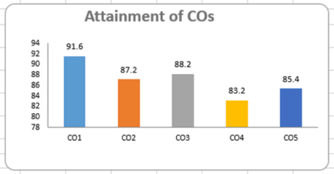
Course Outcomes	CS214.1	CS214.2	CS214.3	CS214.4	CS214.5
Target value	4.85	4.85	4.85	4.85	4.85
No. of students reached target	463	380	421	419	518
% of students achieved target	94	90.4	86.6	88	81.4
Attainment level	3	3	3	3	3
CO Attainment Result	Yes	Yes	Yes	Yes	Yes



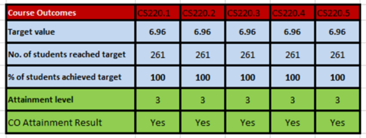
CS217:Intellectual Property Rights



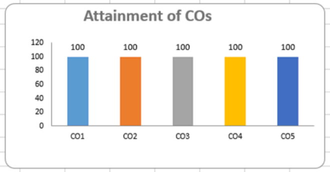
Course Outcomes	CS217.1	CS217.2	CS217.3	CS217.4	CS217.5
Target value	4.85	4.85	4.85	4.85	4.85
No. of students reached target	402	342	133	105	215
% of students achieved target	91.6	87.2	88.2	83.2	85.4
Attainment level	3	3	3	3	3
CO Attainment Result	Yes	Yes	Yes	Yes	Yes



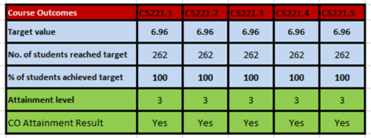
CS220:Object Oriented Programming through Java Lab



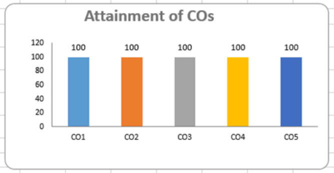
Course Outcomes	CS220.1	CS220.2	CS220.3	CS220.4	CS220.5
Target value	6.96	6.96	6.96	6.96	6.96
No. of students reached target	261	261	261	261	261
% of students achieved target	100	100	100	100	100
Attainment level	3	3	3	3	3
CO Attainment Result	Yes	Yes	Yes	Yes	Yes



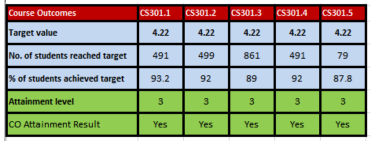
CS221:Database Management Systems Lab



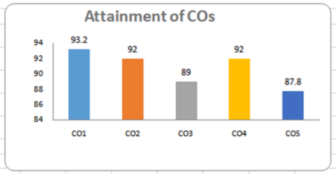
Course Outcomes	CS221.1	CS221.2	CS221.3	CS221.4	CS221.5
Target value	6.96	6.96	6.96	6.96	6.96
No. of students reached target	262	262	262	262	262
% of students achieved target	100	100	100	100	100
Attainment level	3	3	3	3	3
CO Attainment Result	Yes	Yes	Yes	Yes	Yes



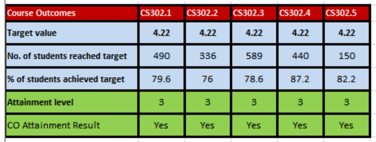
CS301:Software Engineering



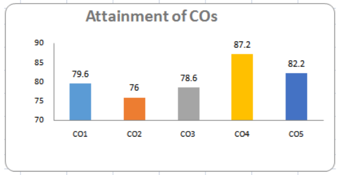
Course Outcomes	CS301.1	CS301.2	CS301.3	CS301.4	CS301.5
Target value	4.22	4.22	4.22	4.22	4.22
No. of students reached target	491	499	861	491	79
% of students achieved target	93.2	92	89	92	87.8
Attainment level	3	3	3	3	3
CO Attainment Result	Yes	Yes	Yes	Yes	Yes



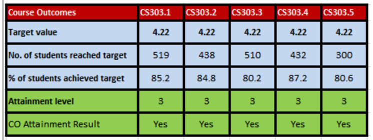
CS302:Compiler Design



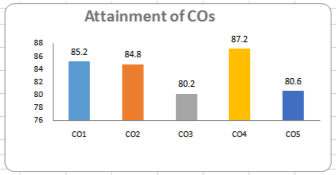
Course Outcomes	CS302.1	CS302.2	CS302.3	CS302.4	CS302.5
Target value	4.22	4.22	4.22	4.22	4.22
No. of students reached target	490	336	589	440	150
% of students achieved target	79.6	76	78.6	87.2	82.2
Attainment level	3	3	3	3	3
CO Attainment Result	Yes	Yes	Yes	Yes	Yes



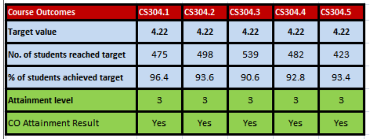
CS303:Artificial Intelligence



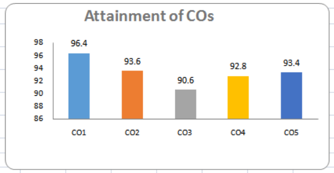
Course Outcomes	CS303.1	CS303.2	CS303.3	CS303.4	CS303.5
Target value	4.22	4.22	4.22	4.22	4.22
No. of students reached target	519	438	510	432	300
% of students achieved target	85.2	84.8	80.2	87.2	80.6
Attainment level	3	3	3	3	3
CO Attainment Result	Yes	Yes	Yes	Yes	Yes



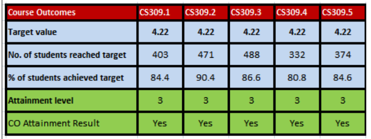
CS304:Digital Forensics



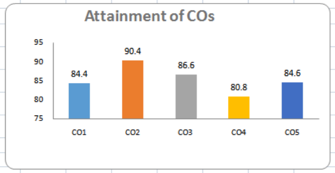
Course Outcomes	CS304.1	CS304.2	CS304.3	CS304.4	CS304.5
Target value	4.22	4.22	4.22	4.22	4.22
No. of students reached target	475	498	539	482	423
% of students achieved target	96.4	93.6	90.6	92.8	93.4
Attainment level	3	3	3	3	3
CO Attainment Result	Yes	Yes	Yes	Yes	Yes



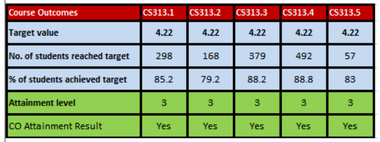
CS309:Embedded Systems Design



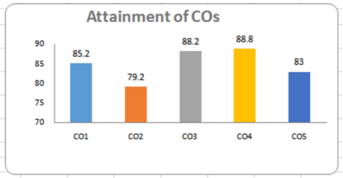
Course Outcomes	CS309.1	CS309.2	CS309.3	CS309.4	CS309.5
Target value	4.22	4.22	4.22	4.22	4.22
No. of students reached target	403	471	488	332	374
% of students achieved target	84.4	90.4	86.6	80.8	84.6
Attainment level	3	3	3	3	3
CO Attainment Result	Yes	Yes	Yes	Yes	Yes



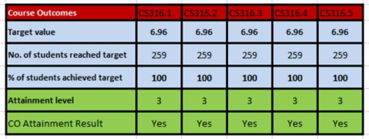
CS313:Internet Of Things &Its Applications



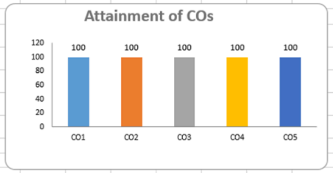
Course Outcomes	CS313.1	CS313.2	CS313.3	CS313.4	CS313.5
Target value	4.22	4.22	4.22	4.22	4.22
No. of students reached target	298	168	379	492	57
% of students achieved target	85.2	79.2	88.2	88.8	83
Attainment level	3	3	3	3	3
CO Attainment Result	Yes	Yes	Yes	Yes	Yes



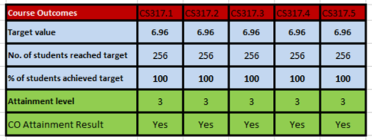
CS316:Compiler Design and Case Tools Lab



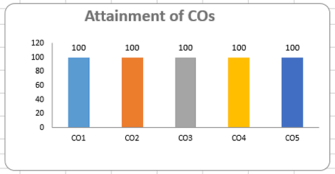
Course Outcomes	CS316.1	CS316.2	CS316.3	CS316.4	CS316.5
Target value	6.96	6.96	6.96	6.96	6.96
No. of students reached target	259	259	259	259	259
% of students achieved target	100	100	100	100	100
Attainment level	3	3	3	3	3
CO Attainment Result	Yes	Yes	Yes	Yes	Yes



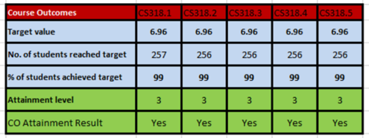
CS317:Artificial Intelligence Lab



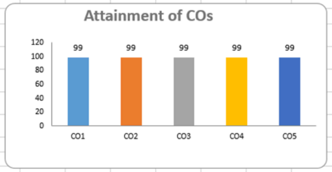
Course Outcomes	CS317.1	CS317.2	CS317.3	CS317.4	CS317.5
Target value	6.96	6.96	6.96	6.96	6.96
No. of students reached target	256	256	256	256	256
% of students achieved target	100	100	100	100	100
Attainment level	3	3	3	3	3
CO Attainment Result	Yes	Yes	Yes	Yes	Yes



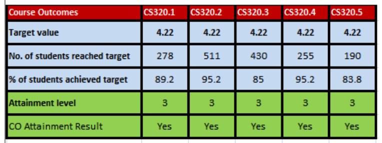
CS318:Application Development-I



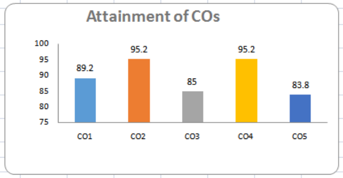
Course Outcomes	CS318.1	CS318.2	CS318.3	CS318.4	CS318.5
Target value	6.96	6.96	6.96	6.96	6.96
No. of students reached target	257	256	256	256	256
% of students achieved target	99	99	99	99	99
Attainment level	3	3	3	3	3
CO Attainment Result	Yes	Yes	Yes	Yes	Yes



CS320:Full Stack Development

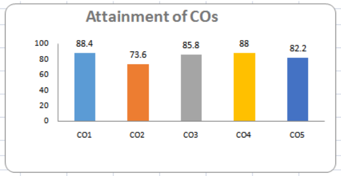


Course Outcomes	CS320.1	CS320.2	CS320.3	CS320.4	CS320.5
Target value	4.22	4.22	4.22	4.22	4.22
No. of students reached target	278	511	430	255	190
% of students achieved target	89.2	95.2	85	95.2	83.8
Attainment level	3	3	3	3	3
CO Attainment Result	Yes	Yes	Yes	Yes	Yes



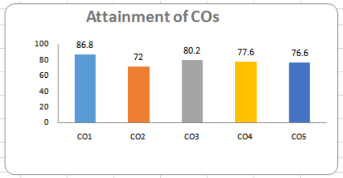
CS321:Machine Learning

Course Outcomes	CS321.1	CS321.2	CS321.3	CS321.4	CS321.5
Target value	4.22	4.22	4.22	4.22	4.22
No. of students reached target	238	183	426	409	174
% of students achieved target	88.4	73.6	85.8	88	82.2
Attainment level	3	2	3	3	3
CO Attainment Result	Yes	Yes	Yes	Yes	Yes



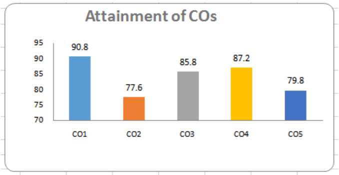
CS322:Distributed Systems

Course Outcomes	CS322.1	CS322.2	CS322.3	CS322.4	CS322.5
Target value	4.22	4.22	4.22	4.22	4.22
No. of students reached target	248	163	287	198	94
% of students achieved target	86.8	72	80.2	77.6	76.6
Attainment level	3	2	3	3	3
CO Attainment Result	Yes	Yes	Yes	Yes	Yes



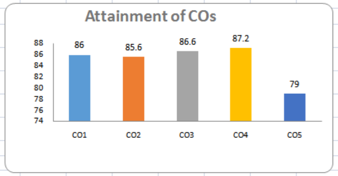
CS325:Cyber Security

Course Outcomes	CS325.1	CS325.2	CS325.3	CS325.4	CS325.5
Target value	4.22	4.22	4.22	4.22	4.22
No. of students reached target	258	226	384	235	79
% of students achieved target	90.8	77.6	85.8	87.2	79.8
Attainment level	3	3	3	3	3
CO Attainment Result	Yes	Yes	Yes	Yes	Yes



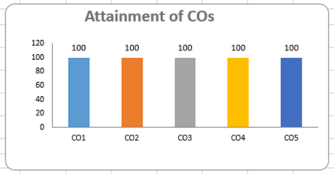
CS328:Robotics& Automation

Course Outcomes	CS328.1	CS328.2	CS328.3	CS328.4	CS328.5
Target value	4.22	4.22	4.22	4.22	4.22
No. of students reached target	256	233	290	225	147
% of students achieved target	86	85.6	86.6	87.2	79
Attainment level	3	3	3	3	3
CO Attainment Result	Yes	Yes	Yes	Yes	Yes



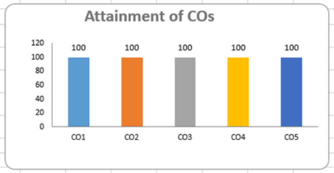
CS334:Full Stack Development Lab

Course Outcomes	CS334.1	CS334.2	CS334.3	CS334.4	CS334.5
Target value	6.96	6.96	6.96	6.96	6.96
No. of students reached target	261	261	261	261	261
% of students achieved target	100	100	100	100	100
Attainment level	3	3	3	3	3
CO Attainment Result	Yes	Yes	Yes	Yes	Yes



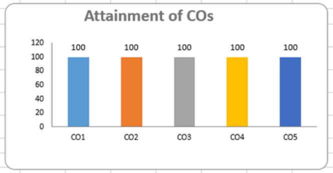
CS335:Machine Learning Lab

Course Outcomes	CS335.1	CS335.2	CS335.3	CS335.4	CS335.5
Target value	6.96	6.96	6.96	6.96	6.96
No. of students reached target	261	261	261	261	261
% of students achieved target	100	100	100	100	100
Attainment level	3	3	3	3	3
CO Attainment Result	Yes	Yes	Yes	Yes	Yes



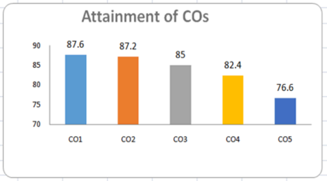
CS336:Application Development-II

Course Outcomes	CS336.1	CS336.2	CS336.3	CS336.4	CS336.5
Target value	6.96	6.96	6.96	6.96	6.96
No. of students reached target	261	261	261	261	261
% of students achieved target	100	100	100	100	100
Attainment level	3	3	3	3	3
CO Attainment Result	Yes	Yes	Yes	Yes	Yes



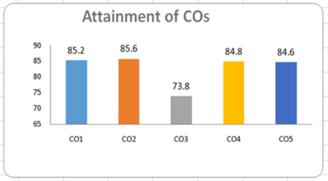
CS401:Big Data Analytics

Course Outcomes	CS401.1	CS401.2	CS401.3	CS401.4	CS401.5
Target value	4.85	4.85	4.85	4.85	4.85
No. of students reached target	477	443	661	404	116
% of students achieved target	87.6	87.2	85	82.4	76.6
Attainment level	3	3	3	3	3
CO Attainment Result	Yes	Yes	Yes	Yes	Yes



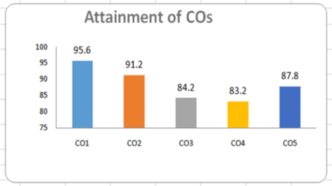
CS402:Cloud Computing

Course Outcomes	CS402.1	CS402.2	CS402.3	CS402.4	CS402.5
Target value	4.85	4.85	4.85	4.85	4.85
No. of students reached target	472	440	436	414	367
% of students achieved target	85.2	85.6	73.8	84.8	84.6
Attainment level	3	3	2	3	3
CO Attainment Result	Yes	Yes	Yes	Yes	Yes



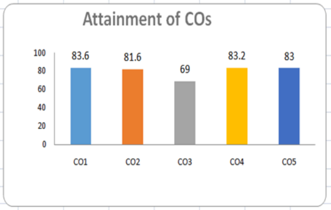
CS403:Block Chain Technology

Course Outcomes	CS403.1	CS403.2	CS403.3	CS403.4	CS403.5
Target value	4.85	4.85	4.85	4.85	4.85
No. of students reached target	519	501	554	446	302
% of students achieved target	95.6	91.2	84.2	83.2	87.8
Attainment level	3	3	3	3	3
CO Attainment Result	Yes	Yes	Yes	Yes	Yes



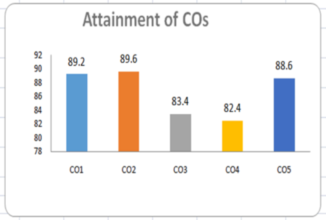
CS405:Adhoc Sensor Networks

Course Outcomes	CS405.1	CS405.2	CS405.3	CS405.4	CS405.5
Target value	4.85	4.85	4.85	4.85	4.85
No. of students reached target	472	440	436	414	367
% of students achieved target	83.6	81.6	69	83.2	83
Attainment level	3	3	2	3	3
CO Attainment Result	Yes	Yes	Yes	Yes	Yes



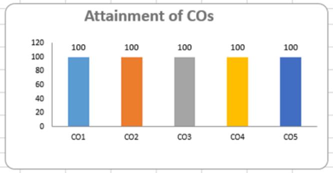
CS407:Data Science

Course Outcomes	CS407.1	CS407.2	CS407.3	CS407.4	CS407.5
Target value	4.85	4.85	4.85	4.85	4.85
No. of students reached target	464	445	441	385	357
% of students achieved target	89.2	89.6	83.4	82.4	88.6
Attainment level	3	3	2	3	3
CO Attainment Result	Yes	Yes	Yes	Yes	Yes



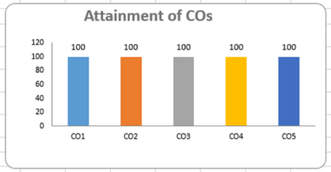
CS410:Block Chain Technology Lab

Course Outcomes	CS410.1	CS410.2	CS410.3	CS410.4	CS410.5
Target value	6.96	6.96	6.96	6.96	6.96
No. of students reached target	254	254	254	254	254
% of students achieved target	100	100	100	100	100
Attainment level	3	3	3	3	3
CO Attainment Result	Yes	Yes	Yes	Yes	Yes



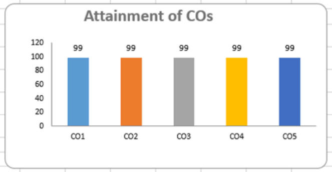
CS411:Big Data Analytics Lab

Course Outcomes	CS411.1	CS411.2	CS411.3	CS411.4	CS411.5
Target value	6.96	6.96	6.96	6.96	6.96
No. of students reached target	252	252	252	252	252
% of students achieved target	100	100	100	100	100
Attainment level	3	3	3	3	3
CO Attainment Result	Yes	Yes	Yes	Yes	Yes



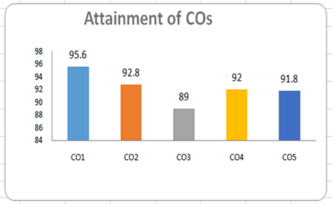
CS412:Mini Project

Course Outcomes	CS412.1	CS412.2	CS412.3	CS412.4	CS412.5
Target value	6.96	6.96	6.96	6.96	6.96
No. of students reached target	252	252	252	252	252
% of students achieved target	99	99	99	99	99
Attainment level	3	3	3	3	3
CO Attainment Result	Yes	Yes	Yes	Yes	Yes



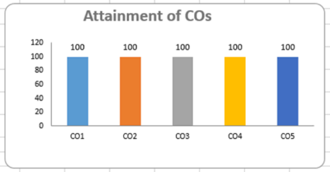
CS413:Innovation, Start-up & Entrepreneurship

Course Outcomes	CS413.1	CS413.2	CS413.3	CS413.4	CS413.5
Target value	4.85	4.85	4.85	4.85	4.85
No. of students reached target	486	457	493	443	388
% of students achieved target	95.6	92.8	89	92	91.8
Attainment level	3	3	3	3	3
CO Attainment Result	Yes	Yes	Yes	Yes	Yes



CS414:Major Project

Course Outcomes	CS414.1	CS414.2	CS414.3	CS414.4	CS414.5
Target value	6.96	6.96	6.96	6.96	6.96
No. of students reached target	256	256	256	256	256
% of students achieved target	100	100	100	100	100
Attainment level	3	3	3	3	3
CO Attainment Result	Yes	Yes	Yes	Yes	Yes



3.3 Attainment of Program Outcomes and Program Specific Outcomes (75) Total Marks 75.00

3.3.1 Describe assessment tools and processes used for measuring the attainment of each Program Outcome and Program Specific Outcomes (10)

Institute Marks : 10.00

Assessment tools & processes used for measuring the attainment of each of Program Outcomes and Program Specific Outcomes

The following methods of assessment are identified for assessing the Program Outcomes & Program specific outcomes.

1.Direct method

- Continuous Internal Evaluation (CIE) tests
- Semester End examinations
- Practical Exam
- Application Development
- Project

2.Indirect method

- Employer Survey(Industry Survey)
- Alumni Survey
- Parents Survey
- Student feedback survey

Information on Data Collection Process

The following types of information are collected: Question papers of CIE tests, Question papers of Semester end exam, Question papers of practical tests, Course exit survey, Student exit survey, Parents Survey, Employer survey, Placement records, Alumni Survey.

The frequency of assessment processes are carried out as shown below.

- Minimum of two assignments are evaluated in every course (theory).
- One Industry Oriented Project for R22 Regulation, Two Application Development Projects, mini-project and main project are associated with each program.
- Project works progress is monitored by the guide, in addition to that frequent evaluation is carried out with proper assessment tools.
- Oral presentation is conducted thrice in the presence of a subject expert panel project panel, weekly bi-weekly meetings and discussion with the concerned project supervisor is documented with proper well defined formats.
- Every club/society organizes certain activity in every semester and annual technical and cultural fests are organized and students are encouraged to participate actively in different roles.

Since each course is defined to address specific program outcomes, course assessment is used to map attainment of course outcomes to assess whether 12 program outcomes are attained.

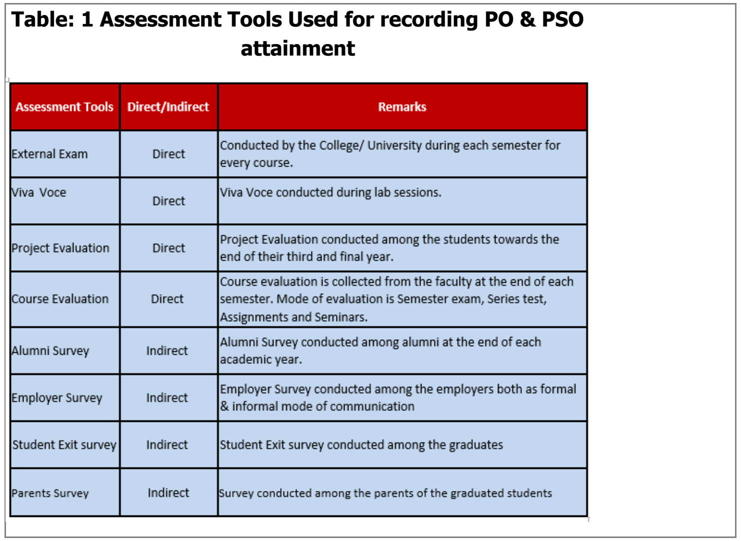


Table: 1 Assessment Tools Used for recording PO & PSO attainment

Assessment Tools	Direct/Indirect	Remarks
External Exam	Direct	Conducted by the College/ University during each semester for every course.
Viva Voce	Direct	Viva Voce conducted during lab sessions.
Project Evaluation	Direct	Project Evaluation conducted among the students towards the end of their third and final year.
Course Evaluation	Direct	Course evaluation is collected from the faculty at the end of each semester. Mode of evaluation is Semester exam, Series test, Assignments and Seminars.
Alumni Survey	Indirect	Alumni Survey conducted among alumni at the end of each academic year.
Employer Survey	Indirect	Employer Survey conducted among the employers both as formal & informal mode of communication
Student Exit survey	Indirect	Student Exit survey conducted among the graduates
Parents Survey	Indirect	Survey conducted among the parents of the graduated students

The procedure for direct attainment of program outcomes and program specific outcomes is as follows:

For example, here we have considered only 5 subjects each per semester

For the attainment calculation we have considered the information obtained from the section 3.2.2 i.e., the COs attained (the COs highlighted are according to the mappings done in 3.1 the CO-PO & CO-PSO matrices).

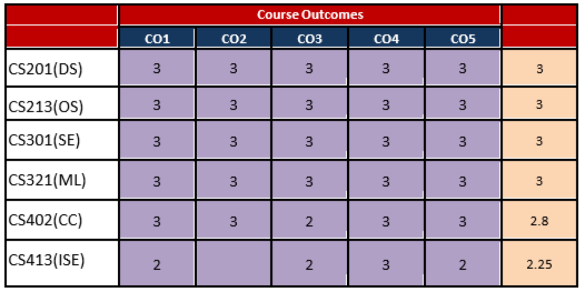
Average of the COs highlighted are taken for each subject for individual POs & PSOs.

For example:

The same attainment process is tabulated as follows and has been used to fill the data in Section 3.3.2.

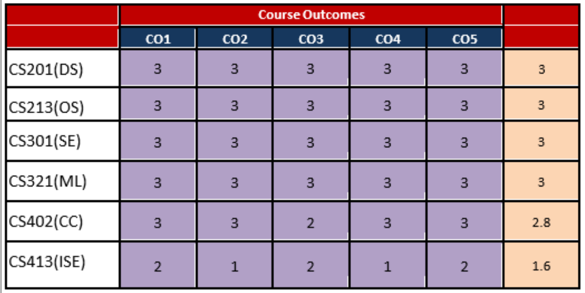
Table 2: Direct Attainment

Direct Attainment of PO1



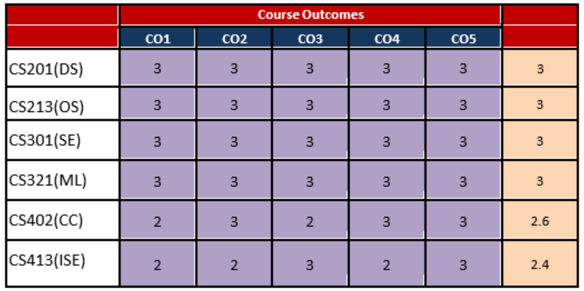
	Course Outcomes					
	CO1	CO2	CO3	CO4	CO5	
CS201(DS)	3	3	3	3	3	3
CS213(OS)	3	3	3	3	3	3
CS301(SE)	3	3	3	3	3	3
CS321(ML)	3	3	3	3	3	3
CS402(CC)	3	3	2	3	3	2.8
CS413(ISE)	2		2	3	2	2.25

Direct Attainment of PO2



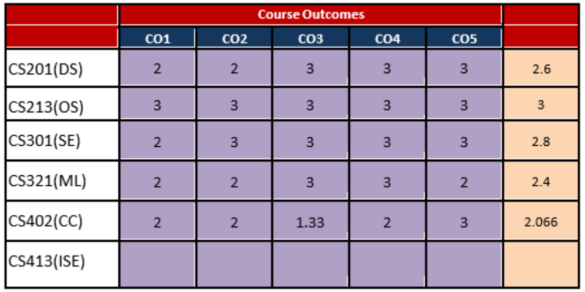
	Course Outcomes					
	CO1	CO2	CO3	CO4	CO5	
CS201(DS)	3	3	3	3	3	3
CS213(OS)	3	3	3	3	3	3
CS301(SE)	3	3	3	3	3	3
CS321(ML)	3	3	3	3	3	3
CS402(CC)	3	3	2	3	3	2.8
CS413(ISE)	2	1	2	1	2	1.6

Direct Attainment of PO3



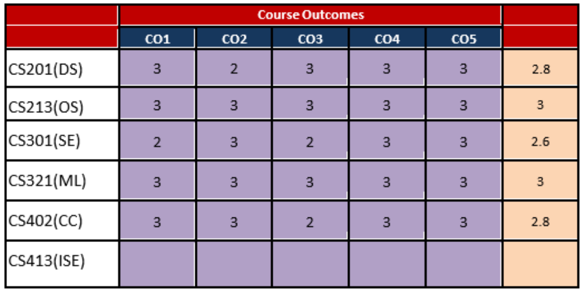
	Course Outcomes					
	CO1	CO2	CO3	CO4	CO5	
CS201(DS)	3	3	3	3	3	3
CS213(OS)	3	3	3	3	3	3
CS301(SE)	3	3	3	3	3	3
CS321(ML)	3	3	3	3	3	3
CS402(CC)	2	3	2	3	3	2.6
CS413(ISE)	2	2	3	2	3	2.4

Direct Attainment of PO4



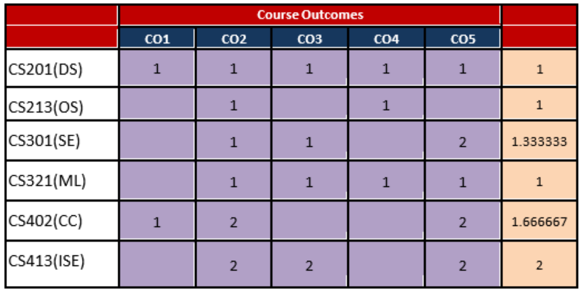
	Course Outcomes					
	CO1	CO2	CO3	CO4	CO5	
CS201(DS)	2	2	3	3	3	2.6
CS213(OS)	3	3	3	3	3	3
CS301(SE)	2	3	3	3	3	2.8
CS321(ML)	2	2	3	3	2	2.4
CS402(CC)	2	2	1.33	2	3	2.066
CS413(ISE)						

Direct Attainment of PO5



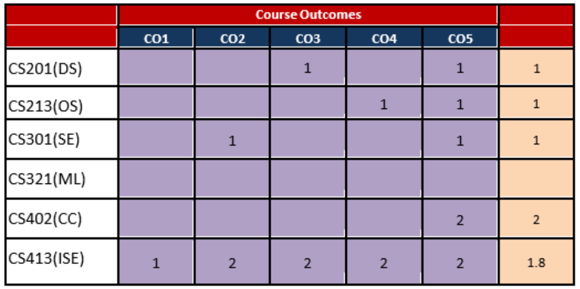
	Course Outcomes					
	CO1	CO2	CO3	CO4	CO5	
CS201(DS)	3	2	3	3	3	2.8
CS213(OS)	3	3	3	3	3	3
CS301(SE)	2	3	2	3	3	2.6
CS321(ML)	3	3	3	3	3	3
CS402(CC)	3	3	2	3	3	2.8
CS413(ISE)						

Direct Attainment of PO6



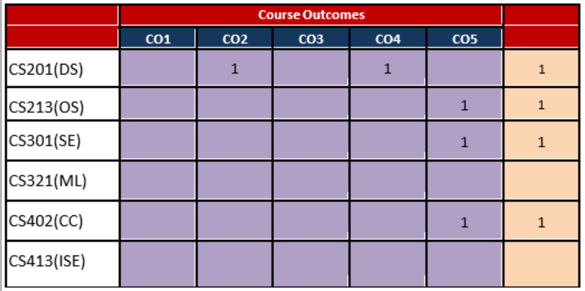
	Course Outcomes					
	CO1	CO2	CO3	CO4	CO5	
CS201(DS)	1	1	1	1	1	1
CS213(OS)		1		1		1
CS301(SE)		1	1		2	1.333333
CS321(ML)		1	1	1	1	1
CS402(CC)	1	2			2	1.666667
CS413(ISE)		2	2		2	2

Direct Attainment of PO7



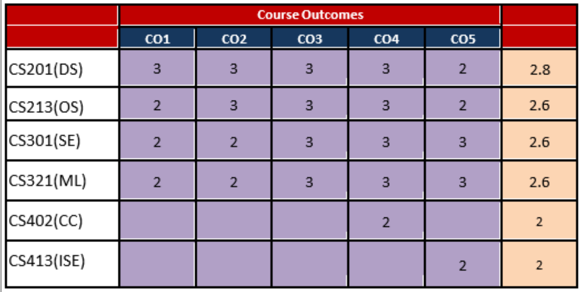
	Course Outcomes					
	CO1	CO2	CO3	CO4	CO5	
CS201(DS)			1		1	1
CS213(OS)				1	1	1
CS301(SE)		1			1	1
CS321(ML)						
CS402(CC)					2	2
CS413(ISE)	1	2	2	2	2	1.8

Direct Attainment of PO8



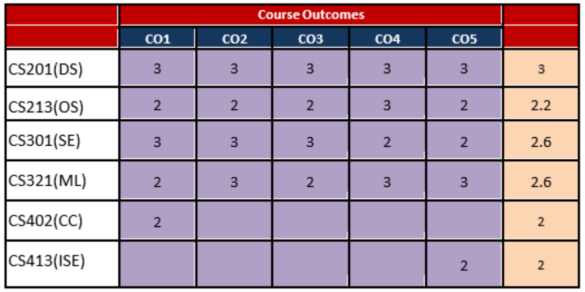
	Course Outcomes					
	CO1	CO2	CO3	CO4	CO5	
CS201(DS)		1		1		1
CS213(OS)					1	1
CS301(SE)					1	1
CS321(ML)						
CS402(CC)					1	1
CS413(ISE)						

Direct Attainment of PO9



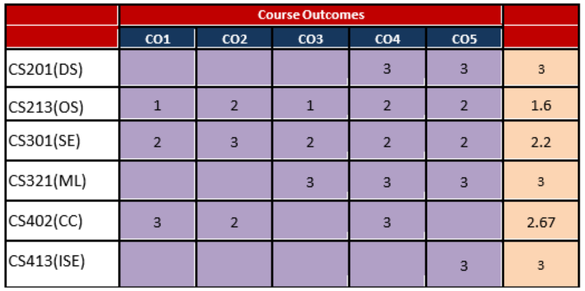
	Course Outcomes					
	CO1	CO2	CO3	CO4	CO5	
CS201(DS)	3	3	3	3	2	2.8
CS213(OS)	2	3	3	3	2	2.6
CS301(SE)	2	2	3	3	3	2.6
CS321(ML)	2	2	3	3	3	2.6
CS402(CC)				2		2
CS413(ISE)					2	2

Direct Attainment of PO10



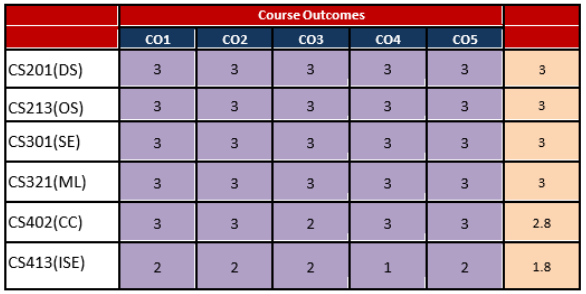
	Course Outcomes					
	CO1	CO2	CO3	CO4	CO5	
CS201(DS)	3	3	3	3	3	3
CS213(OS)	2	2	2	3	2	2.2
CS301(SE)	3	3	3	2	2	2.6
CS321(ML)	2	3	2	3	3	2.6
CS402(CC)	2					2
CS413(ISE)					2	2

Direct Attainment of PO11



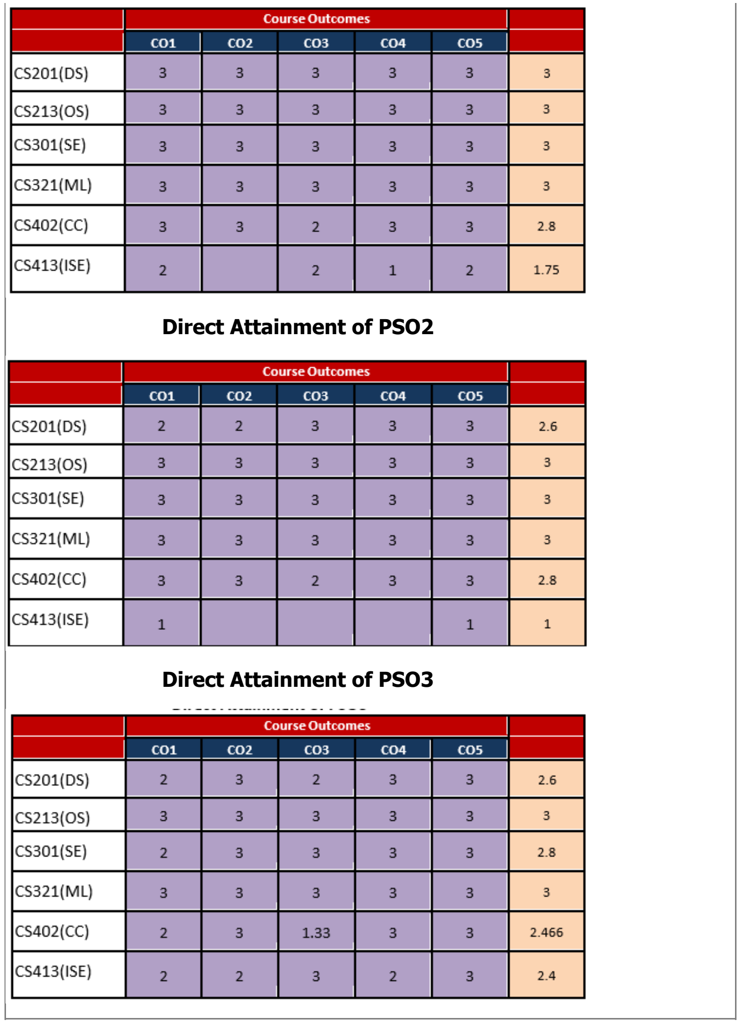
	Course Outcomes					
	CO1	CO2	CO3	CO4	CO5	
CS201(DS)				3	3	3
CS213(OS)	1	2	1	2	2	1.6
CS301(SE)	2	3	2	2	2	2.2
CS321(ML)			3	3	3	3
CS402(CC)	3	2		3		2.67
CS413(ISE)					3	3

Direct Attainment of PO12



	Course Outcomes					
	CO1	CO2	CO3	CO4	CO5	
CS201(DS)	3	3	3	3	3	3
CS213(OS)	3	3	3	3	3	3
CS301(SE)	3	3	3	3	3	3
CS321(ML)	3	3	3	3	3	3
CS402(CC)	3	3	2	3	3	2.8
CS413(ISE)	2	2	2	1	2	1.8

Direct Attainment of PSO1



	Course Outcomes					
	CO1	CO2	CO3	CO4	CO5	
CS201(DS)	3	3	3	3	3	3
CS213(OS)	3	3	3	3	3	3
CS301(SE)	3	3	3	3	3	3
CS321(ML)	3	3	3	3	3	3
CS402(CC)	3	3	2	3	3	2.8
CS413(ISE)	2		2	1	2	1.75

Direct Attainment of PSO2

	Course Outcomes					
	CO1	CO2	CO3	CO4	CO5	
CS201(DS)	2	2	3	3	3	2.6
CS213(OS)	3	3	3	3	3	3
CS301(SE)	3	3	3	3	3	3
CS321(ML)	3	3	3	3	3	3
CS402(CC)	3	3	2	3	3	2.8
CS413(ISE)	1				1	1

Direct Attainment of PSO3

	Course Outcomes					
	CO1	CO2	CO3	CO4	CO5	
CS201(DS)	2	3	2	3	3	2.6
CS213(OS)	3	3	3	3	3	3
CS301(SE)	2	3	3	3	3	2.8
CS321(ML)	3	3	3	3	3	3
CS402(CC)	2	3	1.33	3	3	2.466
CS413(ISE)	2	2	3	2	3	2.4

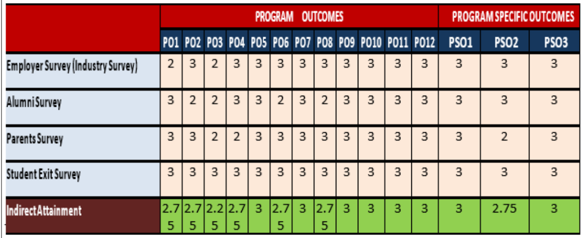
B. <u>Procedure for CO evaluation – Indirect Assessment</u>: (Course exit survey)

A Course Exit Survey (CES) is designed to find the attainments levels of each course outcome. The CES consists of various questions addressing all the COs of the course which student must answer.

Indirect assessment of COs is evaluated as

$$\textit{Attainment} = \frac{(A\ Great\ extent * 5 + Moderate\ extent * 4 + Slight\ extent * 3\ + Very\ extent * 2 + Very\ Little\ Extent * \ 1)}{Total\ No\ of\ respondents\ \times 5}$$

Table 3: Indirect Attainment

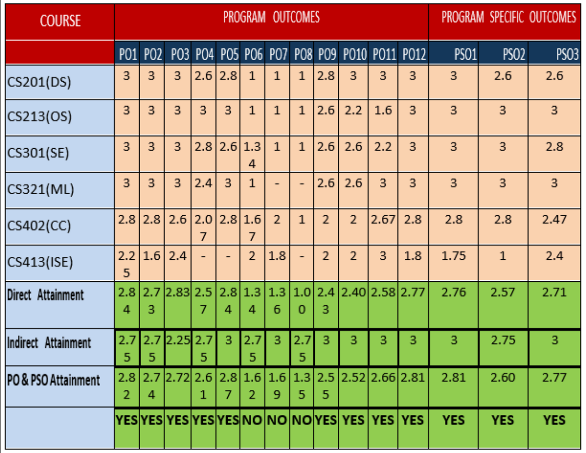


	PROGRAM OUTCOMES												PROGRAM SPECIFIC OUTCOMES		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
Employer Survey (Industry Survey)	2	3	2	3	3	3	3	3	3	3	3	3	3	3	3
Alumni Survey	3	2	2	3	3	2	3	2	3	3	3	3	3	3	3
Parents Survey	3	3	2	2	3	3	3	3	3	3	3	3	3	2	3
Student Exit Survey	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
Indirect Attainment	2.75	2.75	2.25	2.75	3	2.75	3	2.75	3	3	3	3	3	2.75	3

PO Attainment = (0.8*Direct attainment) + (0.2*Indirect attainment)

PSO Attainment = (0.8*Direct attainment) + (0.2*Indirect attainment)

Table 4: PO & PSO Attainment for 2023-2024 Acadamic Year



COURSE	PROGRAM OUTCOMES												PROGRAM SPECIFIC OUTCOMES		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CS201(DS)	3	3	3	2.6	2.8	1	1	1	2.8	3	3	3	3	2.6	2.6
CS213(OS)	3	3	3	3	3	1	1	1	2.6	2.2	1.6	3	3	3	3
CS301(SE)	3	3	3	2.8	2.6	1.34	1	1	2.6	2.6	2.2	3	3	3	2.8
CS321(ML)	3	3	3	2.4	3	1	-	-	2.6	2.6	3	3	3	3	3
CS402(CC)	2.8	2.8	2.6	2.07	2.8	1.67	2	1	2	2	2.67	2.8	2.8	2.8	2.47
CS413(ISE)	2.25	1.6	2.4	-	-	2	1.8	-	2	2	3	1.8	1.75	1	2.4
Direct Attainment	2.84	2.73	2.83	2.57	2.84	1.34	1.36	1.00	2.43	2.40	2.58	2.77	2.76	2.57	2.71
Indirect Attainment	2.75	2.75	2.25	2.75	3	2.75	3	2.75	3	3	3	3	3	2.75	3
PO & PSO Attainment	2.82	2.74	2.72	2.61	2.87	1.62	1.69	1.35	2.55	2.52	2.66	2.81	2.81	2.60	2.77
	YES	YES	YES	YES	YES	NO	NO	NO	YES	YES	YES	YES	YES	YES	YES

Based on the observed continuous improvement of student's performance over the previous years, the target value for POs and PSOs attainment is set as 2.5

If the overall attainment is greater than 2.5 then attainment status is YES else NO.

3.3.2 Provide results of evaluation of each PO & PSO (65)

Institute Marks : 65.00

PO Attainment

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CS101	1	1.5	0	1	0	3	0	3	2	3	0	3
CS102	2.6	2.14	2.17	1.23	2.34	0	0	0	0	0	0	2.6
CS103	1.74	2.8	2.67	1.87	1.74	1.6	2.6	2	1.67	2.8	1.84	2.8
CS104	2.8	2.5	2.8	3	2.8	3	3	0	2.8	2.8	0	3
CS105	2.6	2.4	1.94	2	2.6	0.87	0.87	0.87	2	2.4	0.87	2.2
CS106	1.5	3	0	3	2	0	2	0	2.67	3	2	3
CS107	2.2	2.8	3	2	2	2.2	2.8	2.6	1.8	2.8	2.5	2.8
CS108	3	2.8	2.2	2.2	3	1	1.2	1	2.8	2.8	3	2.6
CS110	1	1.5	0	1	0	3	0	2.5	2	3	0	3
CS111	2.6	3	2.2	1.67	2	2	0	0	0	0	1	3
CS112	3	3	3	3	0	0	0	3	3	3	3	3
CS113	2.8	1.87	2.07	2.75	0	0	0	0	0	0	0	2
CS114	3	2.8	2.2	2.2	3	1	1.2	1	2.8	2.8	3	2.6
CS115	1.6	1.67	1.67	1.67	1.75	1.67	0	1.6	1.67	1.34	0	3
CS116	3	2.8	2.2	2.2	3	1	1.2	1	2.8	2.8	1	2.6
CS117	3	3	3	3	3	3	3	3	3	3	3	3
CS201	3	3	3	3	3	1	0	0	2.4	2.4	1.6	3
CS202	2.8	2.8	2.8	2.8	2.8	1	1	1	2.07	2.07	1.54	2.8
CS203	2.8	2.8	2.6	2.8	2.6	0.84	1	1	2.4	2	1.09	2.8
CS204	2.6	2.4	2.4	2.2	2.6	0.67	1	1	2.07	1.94	0.67	2.6
CS205	2.6	2.6	2.27	2.6	2.6	1.74	1.74	0	1.67	1.74	2.07	2.6
CS206	2.6	2.4	2.4	2.4	2.4	2.4	1.74	3	2	2.34	2.4	2.6
CS207	3	3	2.8	2.6	2.8	1	1	1	2.6	2.2	2.75	3
CS208	3	3	3	2.6	3	1	1	1	2.8	2.2	3	3
CS210	2.07	2.14	1.8	1.67	1.47	1	0.67	0.78	1.47	1.47	2.5	1.67
CS211	2.4	2.4	2.4	2.07	2.4	0.67	0.67	0.84	2.4	2.14	2.5	2.4
CS212	2.8	2.8	2.8	2.4	2.8	1.54	0.84	1	2.8	2.8	2.27	2

CS213	2.8	2.8	2.6	2.07	2.47	1.34	1	1	2.8	2.8	2.27	2.8
CS214	3	3	2.6	2.4	2.4	1.4	1	0	3	3	2.2	3
CS217	3	2.4	1.4	2	2	3	2.4	3	2	2.4	1.75	3
CS220	3	3	2.6	2.6	2.6	1.34	0	0	2.4	2.6	3	3
CS221	3	3	3	2.8	2.6	1.34	0	0	2.4	2.4	3	3
CS301	3	3	3	2.8	2.6	1.34	1	1	2.2	2	2.2	3
CS302	3	3	2.8	2.8	2.8	1	1	1	2.4	2.4	2	3
CS303	3	3	2.8	2.8	2.8	1	1	0	2.4	2.2	3	3
CS304	3	2.8	2.8	2.8	2.8	1.4	1.4	1.5	2.8	2.6	2	3
CS309	3	3	3	2.4	3	1	1	1	2.4	2.4	2.75	3
CS313	3	2.8	2.8	2.8	3	2.2	2.2	0	2	2.2	2.8	3
CS316	3	3	2.8	2.8	2.8	1.25	0	0	2.4	2.2	3	3
CS317	3	3	2.8	3	2.8	1	0	0	2.6	2.4	3	3
CS318	3	3	3	2.6	3	3	0	2.5	3	3	3	2.8
CS320	3	3	3	2.4	3	1	0	0	2.6	2.2	2.8	3
CS321	2.8	2.8	2.8	2.27	2.8	0.92	0	0	2.47	1.87	3	2.8
CS322	2.8	2.8	2.6	2.6	2.8	1	0	0	2.47	1.87	2	2.8
CS325	3	2.8	2.67	2.6	2	1	1	2	2.34	1.5	2.34	3
CS328	3	2.8	2.8	2.8	3	2.2	2.34	2	2	2.2	2.8	3
CS334	3	2.8	3	2.8	3	1	0	0	2	1.6	2.67	2.8
CS335	3	2.8	3	2.8	3	1.8	1.4	1	1.67	0	0	2.8
CS336	3	3	3	2.6	3	3	0	2.5	3	3	3	2.8
CS401	3	3	3	2.8	3	1.8	1.4	1	3	2	2.2	3
CS402	2.8	2.8	2.6	2.07	2.8	1.67	2	1	2	2	2.67	2.8
CS403	3	2.6	2.6	2.2	3	2	2.75	0	3	3	2.25	3
CS405	2.8	2.8	2.6	2.07	2.8	1.67	2	1	2	1.67	2.34	2.8
CS407	3	3	2.6	2.8	2.8	0	2.67	2.8	2.6	2.6	2.6	3
CS410	3	2.6	3	3	3	3	3	2.8	2.6	2.8	2.75	3
CS411	3	3	2.8	3	3	2	2.25	2.4	3	3	3	2.8

CS412	3	2.6	2.75	2.67	3	3	3	3	3	2.8	2.8	3
CS413	2.25	1.6	2.4	0	0	2	1.8	0	2	2	3	1.8
CS414	3	2.6	2.75	3	3	3	3	3	2.8	2.8	2.8	3

PO Attainment Indirect

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Employer S	2	3	2	3	3	3	3	3	3	3	3	3
Alumni Surv	3	2	2	3	3	2	3	2	3	3	3	3
Parents Sur	3	3	2	2	3	3	3	3	3	3	3	3
Student Exi	3	3	3	3	3	3	3	3	3	3	3	3

PO Attainment Level

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
InDirect Attainment	2.75	2.75	2.25	2.75	3	2.75	3	2.75	3	3	3	3
Direct Attainment	2.73	2.70	2.63	2.45	2.67	1.66	1.69	1.74	2.41	2.41	2.40	2.80

PSO Attainment

Course	PSO1	PSO2	PSO3
CS101	2.8	2.6	0
CS102	3	2	0
CS103	3	2.2	2
CS104	3	2.2	0
CS105	3	3	2.8
CS106	2.8	2.6	0
CS107	3	2.2	2
CS108	3	3	2.8
CS110	2.8	2.6	0
CS111	3	2	0
CS112	2.2	3	0
CS113	3	2	2
CS115	2.2	3	0
CS116	3	3	2.8

CS117	2.8	2.6	0
CS201	3	3	2.4
CS202	3	3	3
CS203	3	2.8	3
CS204	3	2.8	3
CS205	3	2.8	3
CS206	3	2.8	2.8
CS207	3	2.8	2.8
CS208	3	3	2.8
CS210	2.6	2.6	2.2
CS211	3	3	2.8
CS212	3	3	3
CS213	3	3	2.6
CS214	3	3	2.6
CS217	2.2	3	2.6
CS220	3	3	2.6
CS221	3	3	3
CS301	3	3	2.8
CS302	3	3	3
CS303	3	3	2.8
CS304	3	3	2.8
CS309	3	3	3
CS313	3	2.8	2.8
CS316	3	2.8	2.8
CS317	3	2.8	2.8
CS318	2.8	3	2.4
CS320	3	3	3
CS321	3	3	3
CS322	3	3	2.8
CS325	2.8	3	2.6
CS328	3	2.8	3

CS334	3	3	2.8
CS335	3	2.8	2.8
CS336	2.8	3	2.4
CS401	3	3	3
CS402	3	3	2.6
CS403	3	2.6	2.6
CS405	3	3	2.6
CS407	3	2.8	2.8
CS410	3	2.6	2
CS411	2.8	3	2.8
CS412	2.6	2.6	2.5
CS413	1.75	1	2.4
CS414	2.6	2.6	3
CS114	3	3	2.8

PSO Attainment Indirect

Survey	PSO1	PSO2	PSO3
Employer Survey	3	3	3
Alumni Survey	3	3	3
Parents Survey	3	2	3
Student Exit Survey	3	3	3

PSO Attainment Level

Course	PSO1	PSO2	PSO3
Direct Attainment	2.89	2.78	2.71
InDirect Attainment	3	2.75	3

4 STUDENTS' PERFORMANCE (100)

Total Marks 90.92

Institute Marks :

Table 4.1

Item (Information to be provided cumulatively for all the shifts with explicit headings, wherever applicable)	**2024-25 (CAY)**	**2023-24 (CAYm1)**	**2022-23 (CAYm2)**	**2021-22 (CAYm3)**	**2020-21 (CAYm4)**	**2019-20 (CAYm5)**	**2018-19 (CAYm6)**
Sanctioned intake of the program(N)	420	420	240	240	240	240	240
Total number of students admitted in first year minus number of students migrated to other programs/ institutions plus No. of students migrated to this program (N1)	420	420	240	240	240	240	240
Number of students admitted in 2nd year in the same batch via lateral entry (N2)	0	42	24	24	24	24	24
Separate division students, If applicable (N3)	0	0	0	0	0	0	0

Total number of students admitted in the programme(N1 + N2 + N3)	420	462	264	264	264	264	264

Table 4.2

Year of entry	Total No of students admitted in the program (N1 + N2 + N3)	Number of students who have successfully graduated without backlogs in any semester/ year of study (Without Backlog means no compartment or failures in any semester/ year of study)			
		I year	II year	III year	IV year
2024-25 (CAY)	420				
2023-24 (CAYm1)	462	317			
2022-23 (CAYm2)	264	172	187		
2021-22 (CAYm3)	264	168	180	178	
2020-21 (LYG)	264	178	190	183	181
2019-20 (LYGm1)	264	170	186	183	179
2018-19 (LYGm2)	264	169	180	179	178

Table 4.3

Year of entry	Total No of students admitted in the program (N1 + N2 + N3)	Number of students who have successfully graduated in stipulated period of study) [Total of with Backlog + without Backlog]			
		I year	II year	III year	IV year
2024-25 (CAY)	420				
2023-24 (CAYm1)	462	420			
2022-23 (CAYm2)	264	240	263		
2021-22 (CAYm3)	264	240	263	263	
2020-21 (LYG)	264	240	262	261	261
2019-20 (LYGm1)	264	240	264	264	255
2018-19 (LYGm2)	264	240	235	226	221

4.1 Enrolment Ratio (20)

Total Marks 20.00

Institute Marks : 20.00

	N (From Table 4.1)	**N1 (From Table 4.1)**	**Enrollment Ratio [(N1/N)*100]**
2024-25 (CAY)	420	420	100.00
2023-24 (CAYm1)	420	420	100.00
2022-23 (CAYm2)	240	240	100.00

Average [(ER1 + ER2 + ER3) / 3] : 100.00

Assessment : 20.00

4.2 Success Rate in the stipulated period of the program (20)

Total Marks 14.87

4.2.1 Success rate without backlogs in any semester / year of study (15)

Institute Marks : 10.20

Item	**Latest Year of Graduation, LYG (2020-21)**	**Latest Year of Graduation minus 1, LYGm1 (2019-20)**	**Latest Year of Graduation minus 2 LYGm2 (2018-19)**
X Number of students admitted in the corresponding First year + admitted in 2nd year via lateral entry and seperated division, if applicable	264.00	264.00	264.00
Y Number of students who have graduated without backlogs in the stipulated period	181.00	179.00	178.00
Success Index [SI = Y / X]	0.69	0.68	0.67

Average SI [(SI1 + SI2 + SI3) / 3] : 0.68

Assessment [15 * Average SI] : 10.20

4.2.2 Sucess rate in stipulated period (5)

Institute Marks : 4.67

Item	**Latest Year of Graduation, LYG (2020-21)**	**Latest Year of Graduation minus 1, LYGm1 (2019-20)**	**Latest Year of Graduation minus 2 LYGm2 (2018-19)**
X Number of students admitted in the corresponding First year + admitted in 2nd year via lateral entry and seperated division, if applicable	264.00	264.00	264.00
Y Number of students who have graduated in the stipulated period	261.00	255.00	221.00
Success Index [SI = Y / X]	0.99	0.97	0.84

Average SI[(SI1 + SI2 + SI3) / 3]: 0.93

Assessment [5 * Average SI] : 4.67

Note : If 100% students clear without any backlog then also total marks scored will be 20 as both 4.2.1 & 4.2.2 will be applicable simultaneously.

4.3 Academic Performance in Second Year (10)

Total Marks 8.15

Institute Marks : 8.15

Academic Performance	CAYm1 (2023-24)	CAYm2 (2022-23)	CAYm3 (2021-22)
Mean of CGPA or mean percentage of all successful students(X)	8.40	8.25	7.92
Total number of successful students (Y)	263.00	263.00	262.00
Total number of students appeared in the examination (Z)	264.00	264.00	264.00
API [X * (Y/Z)]	8.37	8.22	7.86

Average API [(AP1 + AP2 + AP3)/3] : 8.15

Assessment [AverageAPI] : 8.15

4.4 Placement, Higher Studies and Entrepreneurship (30) Total Marks 27.90

Institute Marks : 27.90

Item	**CAYm1(2023-24)**	**CAYm2(2022-23)**	**CAYm3(2021-22)**
Total No of Final Year Students(N)	261.00	264.00	226.00
No of students placed in the companies or goverment sector(X)	210.00	205.00	171.00
No of students admitted to higher studies with valid qualifying scores(GATE or equivalent State or National Level tests, GRE, GMAT etc.) (Y)	35.00	39.00	35.00
No of students turned enterpreneur in engineering/technology (Z)	2.00	1.00	0.00
Placement Index [(X+Y+Z)/N] :	0.95	0.93	0.91

Average Placement [(P1 + P2 + P3)/3] : 0.93

Assessment [30 * Average Placement] : 27.90

S.No	Student Name	Enrollment No	Employee Name	Appointment No
1	ALEKANTI RANJITH REDDY	20N31A0505	Accenture	C06268003
2	AVDHOOT MARUTI PARIT	20N31A0514	Accenture	C06267994
3	G SHARATH CHANDRA GOUD	20N31A0564	Accenture	C06268065
4	GADDE MOUNEETH SIVA RAM	20N31A0566	Accenture	C06268078
5	GANACHARI SUSHMITHA	20N31A0568	Accenture	C06268018
6	GANJI MEGHANA	20N31A0573	Accenture	C06268287
7	JANGA PRAMOD REDDY	20N31A0586	Accenture	C06274401
8	JAVVAJI HARINI	20N31A0589	Accenture	C06268077
9	KAITHI KRANTHIKUMARREDDY	20N31A0594	Accenture	C06274411
10	KAMODULA UDAY KIRAN	20N31A0599	Accenture	C06274414
11	KOLA RAMYA SREE	20N31A05B4	Accenture	C06274400
12	KONDAM SNEHITH REDDY	20N31A05C1	Accenture	C06274417
13	KOVVURI VAMSHI MOHAN REDDY	20N31A05C3	Accenture	C06274416
14	MANGALI VENKATESWARLU	20N31A05D2	Accenture	C06274862
15	MACHERLA SHIVANI	20N31A05D4	Accenture	C06274404
16	MADDI SRAVYA REDDY	20N31A05D5	Accenture	C06274856
17	MOHAMMED KABEERUDDIN ANSARI	20N31A05F5	Accenture	C06306081
18	MUDA VENNELA	20N31A05F6	Accenture	C06274851
19	MUDIPALLI VARUN KUMAR	20N31A05F8	Accenture	C06274841
20	N SAI MEGHANA	20N31A05G3	Accenture	C06274879
21	NAGAPURI ROSHAN	20N31A05G5	Accenture	C06267983
22	P GANESH	20N31A05H2	Accenture	C06268323
23	PARATHU YASWANTH SAI	20N31A05J2	Accenture	C06274407
24	PATLOLLA DEEKSHA REDDY	20N31A05J3	Accenture	Accenture/Email/26-02-2024
25	RAJAMAHENDRAVARAPU ROHITHA	20N31A05K5	Accenture	C06267978
26	SURAMPALLI GIREESH KUMAR	20N31A05L6	Accenture	Accenture/Email/26-02-2024
27	THANGELLAPALLY AKHILA	20N31A05M3	Accenture	C06274419
28	VADAPALLI VENKATA NAGA SAI TARUNI	20N31A05M9	Accenture	Accenture/Email/26-02-2024
29	VADLA RAMYA	20N31A05N2	Accenture	C06274405
30	VEMULA HARICHANDANA	20N31A05P0	Accenture	C06274402

31	VENISHETTY SRIRAM	20N31A05P2	Accenture	C06399113
32	VETCHA SAI SANJANA	20N31A05P3	Accenture	C06274403
33	BATHULA NAVEEN KUMAR	21N35A0502	Accenture	C06268040
34	EDA SAI NIMITHA	21N35A0506	Accenture	C06268039
35	KONDAGURLE GOUTHAM	21N35A0513	Accenture	C06268080
36	MULA RAKESH	21N35A0518	Accenture	C06274852
37	PAYYABULA AJAYKUMAR	21N35A0519	Accenture	C06274870
38	ADITI AANANDA VAKA	20N31A0502	ACCENTURE(HACKDIWA)	C08267972
39	ALLAGADDA VENKATA SAGARIKA	20N31A0507	ACCENTURE(HACKDIWA)	C08095044
40	AMREEN BEGUM	20N31A0510	ACCENTURE(HACKDIWA)	C08285697
41	BALE SWATHI	20N31A0520	ACCENTURE(HACKDIWA)	C08141362
42	BANTU VARSHITHA	20N31A0524	ACCENTURE(HACKDIWA)	C08095151
43	CHINAGANDHAM SAI MEGHANA	20N31A0544	ACCENTURE(HACKDIWA)	C08095145
44	GARGULA KEERTHIPRIYA	20N31A0574	ACCENTURE(HACKDIWA)	C08095024
45	GUNDALA MAHESHWARI	20N31A0578	ACCENTURE(HACKDIWA)	C08094964
46	KASALA SHREYA REDDY	20N31A05A7	ACCENTURE(HACKDIWA)	C08142927
47	KATRAGADDA ABHINAYA	20N31A05B1	ACCENTURE(HACKDIWA)	C08142958
48	KODI SRAVANTHI	20N31A05B3	ACCENTURE(HACKDIWA)	C08140316
49	M KAVERI	20N31A05D1	ACCENTURE(HACKDIWA)	C08142876
50	MAMIDALA VAISHNAVI	20N31A05D9	ACCENTURE(HACKDIWA)	C08268978
51	MANE MANISHA	20N31A05E2	ACCENTURE(HACKDIWA)	C08142961
52	MOHAMMAD ROSHAN ARA	20N31A05F3	ACCENTURE(HACKDIWA)	C08094935
53	N V S ASWITHA	20N31A05G4	ACCENTURE(HACKDIWA)	C08142862
54	NAGISETTY DIVYA SREE	20N31A05G6	ACCENTURE(HACKDIWA)	C08094979
55	SHERI RAJITHA	20N31A05L3	ACCENTURE(HACKDIWA)	C08143142
56	SHIVA BHAVYA SREE MUTTIREDDY	20N31A05L4	ACCENTURE(HACKDIWA)	C08095051
57	TALLA DHANUSRI	20N31A05M0	ACCENTURE(HACKDIWA)	C08095008
58	THOTA MEGHANA	20N31A05M6	ACCENTURE(HACKDIWA)	C08095032
59	VADDE HEMA	20N31A05N0	ACCENTURE(HACKDIWA)	C08167927
60	VARDHANAPU HASINI	20N31A05N6	ACCENTURE(HACKDIWA)	C08167917
61	BODDULA MOUNISHA	20N31A0532	Amazon	Amazon/Email/05-08-2024

62	NANDAN REDDY REDDYBATTULA	20N31A0560	Amazon	Amazon/Email/05-08-2024
63	BIRADAR SHARANYA	20N31A0531	Capgemini	Superset ID: 4990324
64	PAIDI SREEJA	20N31A05H5	Capgemini	Superset ID: 4997736
65	VEMULAPALLY JYOTSNA	20N31A05P1	Capgemini	Superset ID: 5009900
66	G MADHUSUDHAN	20N31A0563	Cognizant	Superset ID: 5043134
67	PRIYANSHU KUMAR	20N31A05H8	Cognizant	Superset ID: 5009070
68	AMMULA PRANAY	20N31A0509	Genpact	Genpact/Email/28-01-2024
69	BADHAVATH POOJA	20N31A0516	Genpact	Genpact/Email/28-01-2024
70	BAINDLA SPANDANA	20N31A0517	Genpact	Genpact/Email/28-01-2024
71	BARU SAI SANTHOSH	20N31A0525	Genpact	Genpact/Email/28-01-2024
72	BUREBOINA VAMSHI	20N31A0534	Genpact	Genpact/Email/28-01-2024
73	BYEREDDY THARUN REDDY	20N31A0535	Genpact	Genpact/Email/28-01-2024
74	CHITRADA SANDEEP	20N31A0546	Genpact	Genpact/Email/28-01-2024
75	VANGIPURAPU JYOTHI SWARUP	20N31A0558	Genpact	Genpact/Email/28-01-2024
76	GADDALA KEERTHI BUELA	20N31A0565	Genpact	Genpact/Email/28-01-2024
77	GOLLENA ANIL	20N31A0575	Genpact	Genpact/Email/28-01-2024
78	IJJAMALA MANISHA	20N31A0581	Genpact	Genpact/Email/28-01-2024
79	JARPULA ARUN	20N31A0588	Genpact	Genpact/Email/28-01-2024
80	K SHIVARANI	20N31A0592	Genpact	Genpact/Email/28-01-2024
81	KARICHEDU HEMADRI SRINIVASA	20N31A05A6	Genpact	Genpact/Email/28-01-2024
82	KURUVA ABHINAV	20N31A05C7	Genpact	Genpact/Email/28-01-2024
83	LAGISHETTY KEERTHANA	20N31A05C8	Genpact	Genpact/Email/28-01-2024
84	MACHANPALLY SANJANA	20N31A05D3	Genpact	Genpact/Email/28-01-2024
85	MANICHAND ADARI	20N31A05E3	Genpact	Genpact/Email/28-01-2024
86	MATTA SRAVANTHI	20N31A05E6	Genpact	Genpact/Email/28-01-2024
87	MOHAMMAD RIZWAN	20N31A05F2	Genpact	Genpact/Email/28-01-2024
88	MUNAGA KARTHIK KUMAR	20N31A05F9	Genpact	Genpact/Email/28-01-2024
89	P GANESH REDDY	20N31A05H3	Genpact	Genpact/Email/28-01-2024
90	POLEPALLI CHENNA SAI PRANAV	20N31A05J6	Genpact	Genpact/Email/28-01-2024
91	VANAPARTHI ANIL VARMA	20N31A05N4	Genpact	Genpact/Email/28-01-2024
92	VORAKA AKASH	20N31A05P5	Genpact	Genpact/Email/28-01-2024

93	GATTU SHIVA	21N35A0508	Genpact	Genpact/Email/28-01-2024
94	JANGITI GOWTHAM	21N35A0511	Genpact	Genpact/Email/28-01-2024
95	KANDRATHI AVINASH	21N35A0512	Genpact	Genpact/Email/28-01-2024
96	KUMMARI SAIKEERTHI	21N35A0514	Genpact	Genpact/Email/28-01-2024
97	SADULA SONA	21N35A0521	Genpact	Genpact/Email/28-01-2024
98	STHALAM SAICHARAN	21N35A0522	Genpact	Genpact/Email/28-01-2024
99	GADEPAKA ROHITH	20N31A0567	Global Logic	Global Logic/Email/06-04-2024
100	KAJAL	20N31A0595	Global Logic	Global Logic/Email/06-04-2024
101	AMGOTH PRAVALIKA	20N31A0508	Hexaware	Hexaware/Email/16-03-2024
102	BHAGYA SREE LAKSHMI GANESULA	20N31A0528	Hexaware	Hexaware/Email/16-03-2024
103	BIJJA RAMESH	20N31A0530	Hexaware	Hexaware/Email/16-03-2024
104	C BHEEM RAJU	20N31A0536	Hexaware	Hexaware/Email/16-03-2024
105	INDUKURI SATYANARAYANA RAJU	20N31A0582	Hexaware	Hexaware/Email/16-03-2024
106	INTURI RAKESH BABU	20N31A0583	Hexaware	Hexaware/Email/16-03-2024
107	JANGOLLA KESHAVULU	20N31A0587	Hexaware	Hexaware/Email/16-03-2024
108	KAMBHAMPATI GAYATRI	20N31A0598	Hexaware	Hexaware/Email/16-03-2024
109	KANDIKANTI SAI GANESH	20N31A05A1	Hexaware	Hexaware/Email/16-03-2024
110	KANKALI NITHISH	20N31A05A2	Hexaware	Hexaware/Email/16-03-2024
111	KANKALLA AKHIL	20N31A05A3	Hexaware	Hexaware/Email/16-03-2024
112	KOMMU HARUN	20N31A05B7	Hexaware	Hexaware/Email/16-03-2024
113	KONA SAIRAM	20N31A05B8	Hexaware	Hexaware/Email/16-03-2024
114	MADDIKERA HEMANTH LAL	20N31A05D6	Hexaware	Hexaware/Email/16-03-2024
115	MD ARSHAD BASHA	20N31A05E7	Hexaware	Hexaware/Email/16-03-2024
116	MOHAMMED ISAARUDDIN	20N31A05F4	Hexaware	Hexaware/Email/16-03-2024
117	NUNNA HARSHA VARDHAN RAJU	20N31A05H1	Hexaware	Hexaware/Email/16-03-2024
118	POTHULAPALLY NITHIN KUMAR	20N31A05J8	Hexaware	Hexaware/Email/16-03-2024
119	RATHLAVATH SOMANATH	20N31A05K8	Hexaware	Hexaware/Email/16-03-2024
120	SINGIDI SHREEYA REDDY	20N31A05L5	Hexaware	Hexaware/Email/16-03-2024
121	THIRUNAGARI SAI TEJA	20N31A05M4	Hexaware	Hexaware/Email/16-03-2024
122	VEDANTH SAHU	20N31A05N7	Solugenix	Solugenix/Email/20-03-2024
123	GUDURU RAKESH	21N35A0509	Solugenix	Solugenix/Email/20-03-2024

124	ALIGI JOEL	20N31A0506	Prolifics	Prolifics/Email/17-02-2024
125	ARCOT KALYAN SREENIVAS	20N31A0513	Prolifics	Prolifics/Email/17-02-2024
126	CHANDU SAI SOWMYA	20N31A0540	Prolifics	Prolifics/Email/17-02-2024
127	CHIKKALA SRI NAGA VAISHNAVI	20N31A0542	Prolifics	Prolifics/Email/17-02-2024
128	CHINNOLLA VIVEKAVARDHAN	20N31A0545	Prolifics	Prolifics/Email/17-02-2024
129	DADE BHANU PRAKASH	20N31A0548	Prolifics	Prolifics/Email/17-02-2024
130	DURUGAMCHRUVU BHARATH KUMAR	20N31A0556	Prolifics	Prolifics/Email/17-02-2024
131	ERUVENTI SREE VARDHAN	20N31A0561	Prolifics	Prolifics/Email/17-02-2024
132	GANDHAM PAVAN	20N31A0569	Prolifics	Prolifics/Email/17-02-2024
133	GURRAM YASWANTH	20N31A0580	Prolifics	Prolifics/Email/17-02-2024
134	KATIPELLY ADITH REDDY	20N31A05B0	Prolifics	Prolifics/Email/17-02-2024
135	MARAPELLY SHIVA PRIYA	20N31A05B9	Prolifics	Prolifics/Email/17-02-2024
136	MALAVATH PRAVEEN	20N31A05D8	Prolifics	Prolifics/Email/17-02-2024
137	MANIKONDA LEELA SAI VARDHAN	20N31A05E4	Prolifics	Prolifics/Email/17-02-2024
138	MOHAMMAD JOHNNY PASHA	20N31A05F0	Prolifics	Prolifics/Email/17-02-2024
139	MOHAMAD KAIF ALI	20N31A05F1	Prolifics	Prolifics/Email/17-02-2024
140	NAINA SINGH	20N31A05G7	Prolifics	Prolifics/Email/17-02-2024
141	PABBATHI VINAY KUMAR REDDY	20N31A05H4	Prolifics	Prolifics/Email/17-02-2024
142	S PRIYATHAM REDDY	20N31A05K9	Prolifics	Prolifics/Email/17-02-2024
143	SAI DEEKSHITH NAINAKANTI	20N31A05L0	Prolifics	Prolifics/Email/17-02-2024
144	TENALI EBENEZAR	20N31A05M1	Prolifics	Prolifics/Email/17-02-2024
145	VANCHA NISHANTH REDDY	20N31A05N5	Prolifics	Prolifics/Email/17-02-2024
146	VEERABOINA MAHESH	20N31A05N8	Prolifics	Prolifics/Email/17-02-2024
147	KASAGONI RITHISH	20N31A05P9	Prolifics	Prolifics/Email/17-02-2024
148	EDLA SHIRISH PREETHAM	21N35A0507	Prolifics	Prolifics/Email/17-02-2024
149	MOHAMMED NASERUDDIN	21N35A0517	Prolifics	Prolifics/Email/17-02-2024
150	ADE NIKITHA	20N31A0501	Sutherland	Sutherland/Email/02-12-2023
151	APPALA NARESH	20N31A0512	Sutherland	Sutherland/Email/02-12-2023
152	BALARAM ANSHITH VARMA NADIMPALLI	20N31A0519	Sutherland	Sutherland/Email/02-12-2023
153	BIJJA KARTHIK	20N31A0529	Sutherland	Sutherland/Email/02-12-2023
154	CH SAI KRISHNA	20N31A0537	Sutherland	Sutherland/Email/02-12-2023

155	CHAND FATHIMA	20N31A0539	Sutherland	Sutherland/Email/02-12-2023
156	BHUKYA CHARAN	20N31A0541	Sutherland	Sutherland/Email/02-12-2023
157	DHARMASOTH RAHUL	20N31A0552	Sutherland	Sutherland/Email/02-12-2023
158	SYED ZAKIUDDIN	20N31A0559	Sutherland	Sutherland/Email/02-12-2023
159	GUGULOTH VIJAY KUMAR	20N31A0576	Sutherland	Sutherland/Email/02-12-2023
160	JAIDEV SAI SUNKARA	20N31A0584	Sutherland	Sutherland/Email/02-12-2023
161	KALAKONDA SREENIDHI REDDY	20N31A0596	Sutherland	Sutherland/Email/02-12-2023
162	KASAM RUTHIK REDDY	20N31A05A8	Sutherland	Sutherland/Email/02-12-2023
163	DACHEPALLY PADMA SREE	20N31A05C0	Sutherland	Sutherland/Email/02-12-2023
164	LELLELA KIRAN KUMAR	20N31A05C9	Sutherland	Sutherland/Email/02-12-2023
165	MATAM PRASUNA	20N31A05E5	Sutherland	Sutherland/Email/02-12-2023
166	MUDAVATH HANMANTHU	20N31A05F7	Sutherland	Sutherland/Email/02-12-2023
167	MUTHINENI SRUTHI	20N31A05G2	Sutherland	Sutherland/Email/02-12-2023
168	NANNURI VENKATA PRAMODH REDDY	20N31A05G9	Sutherland	Sutherland/Email/02-12-2023
169	KALALI NIKHIL GOUD	20N31A05H9	Sutherland	Sutherland/Email/02-12-2023
170	PINDIPOLU SAI KIRAN	20N31A05J5	Sutherland	Sutherland/Email/02-12-2023
171	PURANAM UMESH CHANDRA	20N31A05K2	Sutherland	Sutherland/Email/02-12-2023
172	SANGAM AKAASH	20N31A05L2	Sutherland	Sutherland/Email/02-12-2023
173	THADAGONDA VISHNU TEJA	20N31A05M2	Sutherland	Sutherland/Email/02-12-2023
174	VADLA KARTHIK	20N31A05N3	Sutherland	Sutherland/Email/02-12-2023
175	VEERABOINA NAVEEN KUMAR	20N31A05N9	Sutherland	Sutherland/Email/02-12-2023
176	BHOOTHKURI VAMSHI	21N35A0503	Sutherland	Sutherland/Email/02-12-2023
177	JADI VINOD KUMAR	21N35A0510	Sutherland	Sutherland/Email/02-12-2023
178	THEEGALA MANOJ	21N35A0523	Sutherland	Sutherland/Email/02-12-2023
179	AKIREDDY VARSHINI	20N31A0503	Deloitte	Deloitte/Email/19-02-2024
180	AKULA SRIMITRAVINDA	20N31A0504	Deloitte	Deloitte/Email/19-02-2024
181	BAIRAGONI BHARGAVI	20N31A0518	Deloitte	Deloitte/Email/19-02-2024
182	BANDI GOWRI THANMAI	20N31A0522	Deloitte	Deloitte/Email/19-02-2024
183	BANDI SHIVANI	20N31A0523	Deloitte	Deloitte/Email/19-02-2024
184	BATTULA HIMABINDU	20N31A0527	Deloitte	Deloitte/Email/19-02-2024
185	CHILUGURI PRAJWAL KUMAR REDDY	20N31A0543	Deloitte	Deloitte/Email/19-02-2024

186	CHITTALA HIMA VYSHNAVI PRIYA	20N31A0547	Deloitte	Deloitte/Email/19-02-2024
187	DUBYALA LAKSHMAN	20N31A0554	Deloitte	Deloitte/Email/19-02-2024
188	GANDLA RAGHAVENDER	20N31A0571	Deloitte	Deloitte/Email/19-02-2024
189	GUTHA SUMANTH REDDY	20N31A0579	Deloitte	Deloitte/Email/19-02-2024
190	JOGU SHOBHAN	20N31A0590	Deloitte	Deloitte/Email/19-02-2024
191	KALALI MADHUSUDHAN GOUD	20N31A0597	Deloitte	Deloitte/Email/19-02-2024
192	KHUNDUBAI SULTAN SALAUDDIN	20N31A05B2	Deloitte	Deloitte/Email/19-02-2024
193	KURAPATI SHESHU	20N31A05C6	Deloitte	Deloitte/Email/19-02-2024
194	MANCHALA LAKSHMI CHARITHA	20N31A05E1	Deloitte	Deloitte/Email/19-02-2024
195	MEKHALA DARGESH	20N31A05E8	Deloitte	Deloitte/Email/19-02-2024
196	MIRPATI CHANDRAPRAKASH	20N31A05E9	Deloitte	Deloitte/Email/19-02-2024
197	MURIMURI SUKANYA	20N31A05G0	Deloitte	Deloitte/Email/19-02-2024
198	POODUR SHANTHI PRIYA	20N31A05J7	Deloitte	Deloitte/Email/19-02-2024
199	RAMANABOINA ABHIRAM	20N31A05K6	Deloitte	Deloitte/Email/19-02-2024
200	RAMPELLI BHAVANA	20N31A05K7	Deloitte	Deloitte/Email/19-02-2024
201	VADDEPALLI DURGA PRASAD	20N31A05N1	Deloitte	Deloitte/Email/19-02-2024
202	VOGULAM NANDI VARDHAN REDDY	20N31A05P4	Deloitte	Deloitte/Email/19-02-2024
203	YADAVALLY SREEVIDYA	20N31A05P6	Deloitte	Deloitte/Email/19-02-2024
204	CHINTHALA RAMYA	21N35A0505	Deloitte	Deloitte/Email/19-02-2024
205	GANDHAM SATHISHKUMAR REDDY	20N31A0570	Tech Mahendra	2316581/ELTP-CAMPUS/2024
206	PAMPARI NARESH	20N31A05J1	Tech Mahendra	2316609/ELTP-CAMPUS/2024
207	THUMMALA HARSHITH REDDY	20N31A05M7	Tech Mahendra	2316255/ ELTP-CAMPUS / 2024
208	DUDEKULA KHASIM VALI	20N31A0555	TekSystems	HYD/2024/TT/OFE/010
209	PURIGILLA VENKATA RAHUL	20N31A05K3	TekSystems	BLR/2024/TT/OFE/020
210	SYED KHAJA RAHAMATULLA	20N31A05L8	UST Global	UST-LOI-1369

Assessment Year : 2022-23 (CAYm2)

S.No	Student Name	Enrollment No	Employee Name	Appointment No
1	ANANTHANENI VAMSHI	19N31A0513	Cognizant	Superset ID: 3037639
2	ANANTHARAJU AASRITHA	19N31A0514	Cognizant	Superset ID: 3036132
3	APURI GAMYASRI	19N31A0516	Cognizant	Superset ID: 3037730
4	ARRAPUNEM NITHIN SAI	19N31A0517	Cognizant	Superset ID: 3035925
5	BANDARI VIJAYA LAXMI	19N31A0523	Cognizant	Superset ID: 3038613
6	CHILUVURI SAI TEJA	19N31A0542	Cognizant	Superset ID: 3036695
7	CHINTHALAPATI RISHIKA	19N31A0547	Cognizant	Superset ID: 3038593
8	GANDEPELLY SUPRADEEP	19N31A0568	Cognizant	Superset ID: 3036782
9	GURRAM VINOD	19N31A0577	Cognizant	Candidate ID: 24728403
10	HUSNA	19N31A0580	Cognizant	Superset ID: 3036917
11	JAVVAJI MANASA	19N31A0583	Cognizant	Cognizant/Email/25-11-2022
12	JELSINGE PRAJWAL	19N31A0584	Cognizant	Superset ID: 3036428
13	K SHIVA KUMAR	19N31A0586	Cognizant	Candidate ID: 26864820
14	KADUPU SAI SATYA KAUSHIK	19N31A0590	Cognizant	Superset ID: 3036440
15	KALLAGUNTA SAI PAVAN	19N31A0593	Cognizant	Superset ID: 3035989
16	KESHAV	19N31A05A3	Cognizant	Superset ID: 3621645
17	KOTHA PAVAN NAGENDRA SAI	19N31A05B1	Cognizant	Superset ID: 3036062
18	MADA PRAVALIKA	19N31A05C2	Cognizant	Superset ID: 3038082
19	NEELAM BHAVANA	19N31A05F0	Cognizant	Cognizant/Email/25-11-2022
20	P NIKHIL KUMAR	19N31A05F3	Cognizant	Superset ID: 3036144
21	SRI CHARAN RAO RAMARAJU	19N31A05H2	Cognizant	Cognizant/Email/25-11-2022
22	KOTLA SUMANTH REDDY	19N31A05H9	Cognizant	Superset ID: 3037685
23	RENTAM RAJASHEKAR	19N31A05J1	Cognizant	Superset ID: 3645206
24	SINGAMALA JATHIN REDDY	19N31A05L2	Cognizant	Superset ID: 3036209
25	SRI HARSHA SINGITHAM	19N31A05L3	Cognizant	Superset ID: 3036092
26	UDAYAGIRI DASTAGIRI	19N31A05M5	Cognizant	Superset ID: 3036344
27	K ADITHYA REDDY	19N31A05N1	Cognizant	Superset ID: 3633055
28	VEERAMALLA SHALINI	19N31A05N5	Cognizant	Superset ID: 3038420
29	YAMA MALLIKARJUN	19N31A05P4	Cognizant	Superset ID: 3636547
30	YAMINI MIKKILINENI	19N31A05P5	Cognizant	Superset ID: 3036402

31	YEGUPATI RAKESH	19N31A05P7	Cognizant	Superset ID: 3038324
32	SHRITHIK SHAHAPURE	19N31A05Q1	Cognizant	Candidate ID: 26925652
33	DOGIPARTHI SHARADA	19N31A0551	Deloitte	Deloitte/Email/08-02-2023
34	KAKARAPARTHI NAGAVENKATASATYASURYA ABHINAV	19N31A05A4	Deloitte	Deloitte/Email/08-02-2023
35	SAI SRIVATSAV VATTEPALLY	18N31A05J9	DXC Technologies	DXC/Email/14-10-2022
36	AGLAVE SAI KIRAN	19N31A0502	DXC Technologies	DXC/Email/14-10-2022
37	BANDI SHREYA	19N31A0524	DXC Technologies	DXC/Email/14-10-2022
38	BANOTHU GANESH	19N31A0525	DXC Technologies	DXC/Email/14-10-2022
39	BIRUDURAJU AKSHITH RAJU	19N31A0533	DXC Technologies	DXC/Email/14-10-2022
40	BOBBILLA SANDEEP KUMAR	19N31A0534	DXC Technologies	DXC/Email/14-10-2022
41	CHANIGARAPU SAI AKSHITHA	19N31A0536	DXC Technologies	DXC/Email/14-10-2022
42	CHENNALA MAHESHWAR REDDY	19N31A0538	DXC Technologies	DXC/Email/14-10-2022
43	EDKE SAMPATH	19N31A0562	DXC Technologies	DXC/Email/14-10-2022
44	ELIGETI CHANDRA TEJA	19N31A0563	DXC Technologies	DXC/Email/14-10-2022
45	GUNDEBOINA SAI KUMAR	19N31A0574	DXC Technologies	DXC/Email/14-10-2022
46	KAVALI MAHESH	19N31A0599	DXC Technologies	DXC/Email/14-10-2022
47	KOTRA SAI SAGAR	19N31A05B2	DXC Technologies	DXC/Email/14-10-2022
48	MEDIPALLY RANJITH	19N31A05D1	DXC Technologies	DXC/Email/14-10-2022
49	PATANGE ARUN KUMAR	19N31A05G2	DXC Technologies	DXC/Email/14-10-2022
50	PATHIPAKA NITHISH	19N31A05G3	DXC Technologies	DXC/Email/14-10-2022
51	PINNELLI NAVEEN	19N31A05G7	DXC Technologies	DXC/Email/14-10-2022
52	T HEMANTH KUMAR REDDY	19N31A05L7	DXC Technologies	DXC/Email/14-10-2022
53	YERUKONDA KEERTHANA	19N31A05P9	DXC Technologies	DXC/Email/14-10-2022
54	JANARDHANSANJAY	20N35A0509	DXC Technologies	DXC/Email/14-10-2022
55	MOGULLA AKHILA	19N31A05D4	Hitachi Vantara	Hitachi Vantara/Email/12-01-2023
56	PAJJURI SRIDHAR	19N31A05F7	Hitachi Vantara	Hitachi Vantara/Email/12-01-2023
57	SHAIK JAWAD ALI	19N31A05K6	Hitachi Vantara	Hitachi Vantara/Email/12-01-2023
58	KALIPATNAPU KARTHIKEYA SARMA	19N31A0592	Modak	Modak/Email/10-12-2022
59	KOPPULA SREE DURGA	19N31A05B0	Prolifics	Prolifics/Email/09-12-2022
60	DASARI MAHIDEEP	19N31A0554	Prutech Solutions	F20230011/MAR
61	KODAMALA JYOSHNA	19N31A05A5	Prutech Solutions	F20230013/MAR

62	MUDAVATH RAJENDER	19N31A05D9	Prutech Solutions	F20230002/MAR
63	SATHU DEEKSHITH	19N31A05K2	Prutech Solutions	F20230005/MAR
64	ASAMPELLI SAIGANESH	19N31A0518	Sutherland	Sutherland/Email/10-01-2023
65	B THIRUMALAMMA	19N31A0520	Sutherland	Sutherland/Email/10-01-2023
66	CHIMMULA HARSHITH REDDY	19N31A0543	Sutherland	Sutherland/Email/10-01-2023
67	DEVINENI YASHASHWINI	19N31A0557	Sutherland	Sutherland/Email/10-01-2023
68	GUTIPALLY VENKATA NARASIMHA NAIDU	19N31A0578	Sutherland	Sutherland/Email/10-01-2023
69	KAVETI SAIKIRAN	19N31A05A0	Sutherland	Sutherland/Email/10-01-2023
70	KONDA VARSHITH REDDY	19N31A05A8	Sutherland	Sutherland/Email/10-01-2023
71	NAKKITLA YASHWANTH MANIKANTA	19N31A05B9	Sutherland	Sutherland/Email/10-01-2023
72	MADDI AKSHITHA	19N31A05C3	Sutherland	Sutherland/Email/10-01-2023
73	MUDAVATH SWAROOPA	19N31A05E0	Sutherland	Sutherland/Email/10-01-2023
74	MYAKA PAVAN KALYAN	19N31A05E2	Sutherland	Sutherland/Email/10-01-2023
75	NENAVATH BRIJESH	19N31A05F1	Sutherland	Sutherland/Email/10-01-2023
76	NETALA GAYATHRI	19N31A05F2	Sutherland	Sutherland/Email/10-01-2023
77	PALAPARTHI YUVANA	19N31A05G0	Sutherland	Sutherland/Email/10-01-2023
78	SELVARAJ SANTOSH KUMAR	19N31A05J3	Sutherland	Sutherland/Email/10-01-2023
79	THUMMALA RAVALI	19N31A05M3	Sutherland	Sutherland/Email/10-01-2023
80	UPPALAPATI AVINASH	19N31A05M8	Sutherland	Sutherland/Email/10-01-2023
81	BUDDU NAGA LAKSHMI MOUNIKA RANI	20N35A0505	Sutherland	Sutherland/Email/10-01-2023
82	INAVOLU VEERA SAI CHANDRA KANTH	20N35A0508	Sutherland	Sutherland/Email/10-01-2023
83	KYATHAM MAHENDHAR REDDY	20N35A0513	Sutherland	Sutherland/Email/10-01-2023
84	SHIKA KAVYA	20N35A0518	Sutherland	Sutherland/Email/10-01-2023
85	CHILUKA GANESH	19N31A0541	TCS	TCSL/DT20223142613/Hyderabad
86	CHINTALA RETHIKA REDDY	19N31A0545	TCS	TCSL/DT20223059429/Hyderabad
87	DESHOJU SAI SUNDER	19N31A0556	TCS	TCSL/DT20223184330/Hyderabad
88	GUNDAMAINA RAJU	19N31A0573	TCS	TCSL/DT20223197543/Hyderabad
89	NOSSAM DILEEP KUMAR REDDY	19N31A05F4	TCS	TCSL/DT20206924342/Hyderabad
90	VUSIRIKAPALLY AAKASH	19N31A05P1	TCS	TCSL/DT20206941814/Hyderabad
91	O.MADHAVI	20N35A0515	TCS	TCSL/DT20222985788/Hyderabad
92	YASALA SANDEEP YADAV	20N35A0523	TCS	TCSL/DT20229870076/Hyderabad

93	AMULYA MUNIPALLY	19N31A0512	TCS Digital	TCSL/DT20223219189/2006933/Hyderabad
94	BEHARA SAI DHEERAJ	19N31A0530	TCS Digital	TCSL/DT20223051387/Hyderabad
95	M S GIRISH KOWNDINYA	19N31A05B7	TCS Digital	TCSL/DT20223120696/Hyderabad
96	MANDIRAM ASHISH	19N31A05C5	TCS Digital	TCSL/DT20223045373/Hyderabad
97	NAMPALLY ANJANEYULU	19N31A05E9	TCS Digital	TCSL/DT20223063669/Hyderabad
98	RACHARLA SHRAVYA	19N31A05H3	TCS Digital	TCSL/DT20218627201/Hyderabad
99	SHAIK MOHAMMAD JANI BASHA	19N31A05K7	TCS Digital	TCSL/DT20223131359/Hyderabad
100	CHIKYALA KAVYA	19N31A0540	Tech Mahendra	2174398 / ELTP-CAMPUS / 2023
101	CHAPPIDI RAJA SRINIVAS REDDY	19N31A0537	TekSystems	HYD/2023/TT/OFE/009
102	GANNABATTULA SOMESH	19N31A0570	TekSystems	HYD/2023/TT/OFE/004
103	HANEESH RAJ B	19N31A0579	TekSystems	HYD/2023/TT/OFE/005
104	MANASA JOSHI	19N31A05C9	TekSystems	BLR/2023/TT/OFE/116
105	NAGULAPALLY SAI KRISHNA REDDY	19N31A05E7	TekSystems	HYD/2023/TT/OFE/007
106	VETAPALEM VENKATA NARENDRA KUMAR	19N31A05N7	TekSystems	HYD/2023/TT/OFE/016
107	YEDULLA AKANKSHA	19N31A05P6	TekSystems	HYD/2023/TT/OFE/017
108	ALLAM NAVEEN	19N31A0501	Value Momentum	Value Momentum/Email/03-10-2022
109	APPAGARI CHARITHA	19N31A0515	Value Momentum	Value Momentum/Email/03-10-2022
110	CHITLA SATHWIK	19N31A0549	Value Momentum	Value Momentum/Email/03-10-2022
111	RACHARLA SAINATHA REDDY	19N31A0560	Value Momentum	Value Momentum/Email/03-10-2022
112	KONDAMADUGU SATHVIKA	19N31A05A9	Value Momentum	Value Momentum/Email/03-10-2022
113	LAMBA V RESHMA YADAV	19N31A05B5	Value Momentum	Value Momentum/Email/03-10-2022
114	MADDIPATI REDDY LALITH VARUN VIKAS	19N31A05C4	Value Momentum	Value Momentum/Email/03-10-2022
115	MALLADI SRI RAMA LINGA VAIBHAV	19N31A05C8	Value Momentum	Value Momentum/Email/03-10-2022
116	MANAV MATHUR	19N31A05D0	Value Momentum	Value Momentum/Email/03-10-2022
117	N.SAI KAVYA	19N31A05E4	Value Momentum	Value Momentum/Email/03-10-2022
118	PILLALAMARRI AKSHAY KUMAR	19N31A05G6	Value Momentum	Value Momentum/Email/03-10-2022
119	POTHUGUNTA ROJA	19N31A05G8	Value Momentum	Value Momentum/Email/03-10-2022
120	V SAKETH	19N31A05N0	Value Momentum	Value Momentum/Email/03-10-2022
121	SYED SHAHBAZ BEYABANI	20N35A0519	Value Momentum	Value Momentum/Email/03-10-2022
122	ANNAPAREDDY SRI HARSHA VARDHAN REDDY	19N31A0503	Accenture	Accenture/Email/24-03-2023
123	ABHIJEET EDKE	19N31A0505	Accenture	Accenture/Email/24-03-2023

124	ADAPA NAGA SAI SUBHASHINI	19N31A0506	Accenture	Accenture/Email/24-03-2023
125	ADDANKI GRAHYA	19N31A0507	Accenture	Accenture/Email/24-03-2023
126	AITHAGONI ANJALI GOUD	19N31A0508	Accenture	Accenture/Email/24-03-2023
127	AMIREDDY ARAVIND REDDY	19N31A0510	Accenture	Accenture/Email/24-03-2023
128	AMIRISETTY DEDEEPYA	19N31A0511	Accenture	Accenture/Email/24-03-2023
129	ASHANAPALLY SNEHA	19N31A0519	Accenture	Accenture/Email/24-03-2023
130	BODDULA VIVEK VARDHAN	19N31A0521	Accenture	Accenture/Email/24-03-2023
131	BADUGU ROHITH KUMAR	19N31A0522	Accenture	Accenture/Email/24-03-2023
132	BASAM ASWITHA	19N31A0527	Accenture	Accenture/Email/24-03-2023
133	BATTU UDAY SRI	19N31A0528	Accenture	Accenture/Email/24-03-2023
134	BEHARA SAI SWESHIKA	19N31A0531	Accenture	Accenture/Email/24-03-2023
135	BHARATH KUMAR REDDY A	19N31A0532	Accenture	Accenture/Email/24-03-2023
136	BURRA RACHANA PRIYA	19N31A0535	Accenture	Accenture/Email/24-03-2023
137	CHINDALUR SRIDEVI	19N31A0544	Accenture	Accenture/Email/24-03-2023
138	LUCKY REDDY MEGHANA REDDY	19N31A0546	Accenture	Accenture/Email/24-03-2023
139	CHINTHI REDDY PRADEEP REDDY	19N31A0548	Accenture	Accenture/Email/24-03-2023
140	DEVINEEDI SAI SOUMYA	19N31A0550	Accenture	Accenture/Email/24-03-2023
141	DANDU VIJAY	19N31A0553	Accenture	Accenture/Email/24-03-2023
142	DASARI SAHITHI GLADIES	19N31A0555	Accenture	Accenture/Email/24-03-2023
143	VUTHALURU SRI KRISHNA CHAITANYA	19N31A0559	Accenture	Accenture/Email/24-03-2023
144	E SUSHMITHA	19N31A0561	Accenture	Accenture/Email/24-03-2023
145	G CHETAN VARMA	19N31A0564	Accenture	Accenture/Email/24-03-2023
146	G VENKAT HARISH REDDY	19N31A0565	Accenture	Accenture/Email/24-03-2023
147	GANDLA RAHUL VARMA	19N31A0569	Accenture	Accenture/Email/24-03-2023
148	GUDIBANDI SHREE REDDY	19N31A0571	Accenture	Accenture/Email/24-03-2023
149	GUNDA SUMANTH	19N31A0572	Accenture	Accenture/Email/24-03-2023
150	JAMMALAMADAKA GAYATHRI	19N31A0581	Accenture	Accenture/Email/24-03-2023
151	KASAM SAKETH SOHAN REDDY	19N31A0587	Accenture	Accenture/Email/24-03-2023
152	KADAM TEJASHWINI	19N31A0588	Accenture	Accenture/Email/24-03-2023
153	KALE PAYAL	19N31A0591	Accenture	Accenture/Email/24-03-2023
154	KARI SAI SREE	19N31A0595	Accenture	Accenture/Email/24-03-2023

155	KATAKAM GNANADEEP	19N31A0598	Accenture	Accenture/Email/24-03-2023
156	KEERTHIGARI SOWMYA	19N31A05A1	Accenture	Accenture/Email/24-03-2023
157	KESHAGANI SANDHYA	19N31A05A2	Accenture	Accenture/Email/24-03-2023
158	KOUTIKA NEHA	19N31A05B3	Accenture	Accenture/Email/24-03-2023
159	M DINESH	19N31A05C0	Accenture	Accenture/Email/24-03-2023
160	MUSIDIPALLI SATHVIK ARJUN	19N31A05C1	Accenture	Accenture/Email/24-03-2023
161	MALAVATH THIRUMALA	19N31A05C6	Accenture	Accenture/Email/24-03-2023
162	MODALA UMA MAHESHWARI	19N31A05D3	Accenture	Accenture/Email/24-03-2023
163	MOHAMMED ABDUL AZIZ	19N31A05D5	Accenture	Accenture/Email/24-03-2023
164	MOKILA CHARAN KUMAR	19N31A05D7	Accenture	Accenture/Email/24-03-2023
165	MUSHETTY HARSHITHA	19N31A05E1	Accenture	Accenture/Email/24-03-2023
166	NALLI BHARATH VAMSI	19N31A05E8	Accenture	Accenture/Email/24-03-2023
167	PENDEM SAIEESH	19N31A05F5	Accenture	Accenture/Email/24-03-2023
168	PADAKANTI RAJKUMAR	19N31A05F6	Accenture	Accenture/Email/24-03-2023
169	PAKALA JAGANNATH REDDY	19N31A05F8	Accenture	Accenture/Email/24-03-2023
170	PAKKRUTHI MALAVIKA	19N31A05F9	Accenture	Accenture/Email/24-03-2023
171	PANAGANTI ROHIT	19N31A05G1	Accenture	Accenture/Email/24-03-2023
172	PATNAM SAI PRASANNA KUMAR REDDY	19N31A05G4	Accenture	Accenture/Email/24-03-2023
173	POTLAKAYALA RAKESH	19N31A05G9	Accenture	Accenture/Email/24-03-2023
174	PRATYUSHA LOLLA	19N31A05H0	Accenture	Accenture/Email/24-03-2023
175	PUNNA SAI KIRAN	19N31A05H1	Accenture	Accenture/Email/24-03-2023
176	RAGHUNAYAKULA DINESH	19N31A05H4	Accenture	Accenture/Email/24-03-2023
177	RAKTHAMANI SINDHUJA	19N31A05H5	Accenture	Accenture/Email/24-03-2023
178	RAMSAGAR VARSHA	19N31A05H6	Accenture	Accenture/Email/24-03-2023
179	RAUTH SHRUTHI	19N31A05H8	Accenture	Accenture/Email/24-03-2023
180	SAADHU TARUN KUMAR	19N31A05J4	Accenture	Accenture/Email/24-03-2023
181	SALIKE LIKITH	19N31A05J6	Accenture	Accenture/Email/24-03-2023
182	SAMALA BHARATH SIMHA REDDY	19N31A05J7	Accenture	Accenture/Email/24-03-2023
183	G SURYA SATYA KRISHNA SAMINENI	19N31A05J8	Accenture	Accenture/Email/24-03-2023
184	SANJANA SATHYAN	19N31A05K0	Accenture	Accenture/Email/24-03-2023
185	SATISH VARMA GADIRAJU	19N31A05K3	Accenture	Accenture/Email/24-03-2023

186	SEJAL SRIVASTAV	19N31A05K4	Accenture	Accenture/Email/24-03-2023
187	SHABISTHA NAAZ	19N31A05K5	Accenture	Accenture/Email/24-03-2023
188	PERUMANDLA REVANTH	19N31A05K9	Accenture	Accenture/Email/24-03-2023
189	SHIRNAM VIJAY	19N31A05L0	Accenture	Accenture/Email/24-03-2023
190	SUJITH REDDY PULLAIAH GARI	19N31A05L5	Accenture	Accenture/Email/24-03-2023
191	TELUGU TEJA SREE	19N31A05L9	Accenture	Accenture/Email/24-03-2023
192	TERALA BHUVANA CHANDRIKA	19N31A05M0	Accenture	Accenture/Email/24-03-2023
193	THATIREDDY MAHENDHAR REDDY	19N31A05M2	Accenture	Accenture/Email/24-03-2023
194	TIRUGAMALLA MANASA	19N31A05M4	Accenture	Accenture/Email/24-03-2023
195	VUDUMULA BALARAMA NIVAS REDDY	19N31A05M9	Accenture	Accenture/Email/24-03-2023
196	VADLAMUDI VARDHINI	19N31A05N2	Accenture	Accenture/Email/24-03-2023
197	VEGGALAM PAVANI	19N31A05N6	Accenture	Accenture/Email/24-03-2023
198	VIVEK RAJ	19N31A05N9	Accenture	Accenture/Email/24-03-2023
199	AKSHAYA WADDEPALLY	19N31A05P2	Accenture	Accenture/Email/24-03-2023
200	YELE SRUJANA	19N31A05P8	Accenture	Accenture/Email/24-03-2023
201	BITLA AJAY KUMAR	20N35A0503	Accenture	Accenture/Email/24-03-2023
202	CHEEKATI VINAY KUMAR	20N35A0507	Accenture	Accenture/Email/24-03-2023
203	KANDULA SAITEJA	20N35A0510	Accenture	Accenture/Email/24-03-2023
204	KOLAGANI VENUMADHAV	20N35A0511	Accenture	Accenture/Email/24-03-2023
205	VADTYA MANIKANTA	20N35A0521	Accenture	Accenture/Email/24-03-2023

Assessment Year : 2021-22 (CAYm3)

S.No	Student Name	Enrollment No	Employee Name	Appointment No
1	A BHAVANI	18N31A0501	Accenture	Accenture/Email/18-11-2021
2	ADDEPALLI GOUTAMI N V SRISAI VASAVI	18N31A0502	Accenture	Accenture/Email/18-11-2021
3	ALONAE PRIYANKA	18N31A0507	Accenture	Accenture/Email/18-11-2021
4	DANDU NAVYA	18N31A0551	Accenture	Accenture/Email/18-11-2021
5	DODDIKINDI MINISHA	18N31A0556	Accenture	Accenture/Email/18-11-2021
6	DONEPALLI KARTHIK	18N31A0559	Accenture	Accenture/Email/18-11-2021
7	DURGAM RATNA KUMARI	18N31A0560	Accenture	Accenture/Email/18-11-2021
8	EADARA MOUNIKA	18N31A0562	Accenture	Accenture/Email/18-11-2021
9	GOLLAPUDI SAIAVINASH	18N31A0575	Accenture	Accenture/Email/18-11-2021
10	GOWNIKADI NAVEEN	18N31A0577	Accenture	Accenture/Email/18-11-2021
11	KAKKERLA SAI KUMAR	18N31A0595	Accenture	Accenture/Email/18-11-2021
12	KATTA RAVI KUMAR	18N31A05A2	Accenture	Accenture/Email/18-11-2021
13	KESHETTI NIKHIL	18N31A05A3	Accenture	Accenture/Email/18-11-2021
14	KOMMU AKSHAYA	18N31A05B2	Accenture	Accenture/Email/18-11-2021
15	LAKUM AMULYA	18N31A05C0	Accenture	Accenture/Email/18-11-2021
16	LELLA PAVAN KALYAN	18N31A05C1	Accenture	Accenture/Email/18-11-2021
17	M VIVEK KUMAR	18N31A05C4	Accenture	Accenture/Email/18-11-2021
18	MADHURI KATKAM	18N31A05C5	Accenture	Accenture/Email/18-11-2021
19	MADIREDDY ASHISH REDDY	18N31A05C6	Accenture	Accenture/Email/18-11-2021
20	MANDA PREM CHAND	18N31A05C7	Accenture	Accenture/Email/18-11-2021
21	MEENIGA V SUSHMANJALI	18N31A05D2	Accenture	Accenture/Email/18-11-2021
22	MIDASALA SAISHMA	18N31A05D4	Accenture	Accenture/Email/18-11-2021
23	MYAKALA SAHITHI	18N31A05E4	Accenture	Accenture/Email/18-11-2021
24	NARAYANDAS MEGHANA	18N31A05E9	Accenture	Accenture/Email/18-11-2021
25	NINAWE DINESH SURYBHAN	18N31A05F5	Accenture	Accenture/Email/18-11-2021
26	NUTHALAPATI AVINASH REDDY	18N31A05F8	Accenture	Accenture/Email/18-11-2021
27	P PRASHANTH	18N31A05F9	Accenture	Accenture/Email/18-11-2021
28	PABBOJU RENU SRI	18N31A05G2	Accenture	Accenture/Email/18-11-2021
29	PAKALA PRAVALIKA	18N31A05G5	Accenture	Accenture/Email/18-11-2021
30	PALNATI PANDU	18N31A05G7	Accenture	Accenture/Email/18-11-2021

31	PASARI SRILAXMI	18N31A05H0	Accenture	Accenture/Email/18-11-2021
32	PENUKONDA HARSHAVARDHAN RAJU	18N31A05H4	Accenture	Accenture/Email/18-11-2021
33	POLAMPALLI GANESH	18N31A05H6	Accenture	Accenture/Email/18-11-2021
34	RAVI THARSHANI	18N31A05J2	Accenture	Accenture/Email/18-11-2021
35	SAMA PRANAV REDDY	18N31A05K0	Accenture	Accenture/Email/18-11-2021
36	SAMANTHA KURTHI MARYPOOJITHA	18N31A05K1	Accenture	Accenture/Email/18-11-2021
37	SARNU AMBIKA	18N31A05K3	Accenture	Accenture/Email/18-11-2021
38	SD SWETHA REDDY	18N31A05K5	Accenture	Accenture/Email/18-11-2021
39	SURVI TEJASWI	18N31A05L7	Accenture	Accenture/Email/18-11-2021
40	UYYALA SINGITHA	18N31A05N2	Accenture	Accenture/Email/18-11-2021
41	VANGALA VINDHYA SRILEKHA	18N31A05N6	Accenture	Accenture/Email/18-11-2021
42	VIKHYAT BHATNAGAR	18N31A05P0	Accenture	Accenture/Email/18-11-2021
43	VIKRANTH REDDY THIRUMALA	18N31A05P1	Accenture	Accenture/Email/18-11-2021
44	ZURMURE SANKALP	18N31A05Q0	Accenture	Accenture/Email/18-11-2021
45	CHAKILAM PRAJAKTHA	19N35A0503	Accenture	Accenture/Email/18-11-2021
46	GOPE SAI CHARAN	19N35A0507	Accenture	Accenture/Email/18-11-2021
47	NANDURI NARASIMHA MURTHY	19N35A0519	Accenture	Accenture/Email/18-11-2021
48	RANGU SHARATH BABU	19N35A0521	Accenture	Accenture/Email/18-11-2021
49	SOMULU MOHITH	19N35A0523	Accenture	Accenture/Email/18-11-2021
50	KAUSHIK MAHINDRA KAR	18N31A0535	Axiom	Axiom/Email/18-07-2022
51	Akriti Saxena	18N31A0504	Capgemini	Superset ID: 1201917
52	Sindhu Bhargavi Anumolu	18N31A0510	Capgemini	Superset ID: 1202051
53	Athapur Badrinath Reddy	18N31A0512	Capgemini	Superset ID: 1202277
54	KAVYA SRI BUSHANPUR	18N31A0530	Capgemini	Superset ID: 1201895
55	Jithendra Chinnappareddy gari	18N31A0543	Capgemini	Superset ID: 1201962
56	E MAHITHA	18N31A0561	Capgemini	Superset ID: 1203126
57	G Surya Prakash Reddy	18N31A0564	Capgemini	Superset ID: 1203158
58	Suhas Garimella	18N31A0573	Capgemini	Superset ID: 1197523
59	Moksha Guddeti	18N31A0578	Capgemini	Superset ID: 1203378
60	JANAPALA PREETHI	18N31A0585	Capgemini	Superset ID: 1202682
61	KATHA SNEHA SRI	18N31A0599	Capgemini	Ref: 6360736/1441581

62	khurdula Harshavardhan	18N31A05A5	Capgemini	Capgemini/Email/02-12-2021
63	VINITH KOMMUGALLA	18N31A05B3	Capgemini	Superset ID: 1202730
64	L r Sai Pranav	18N31A05B9	Capgemini	Superset ID: 1209526
65	Manthena Vikas Reddy	18N31A05D0	Capgemini	Superset ID: 1201135
66	Mohammed Abdul Rahman	18N31A05D7	Capgemini	Capgemini/Email/15-11-2021
67	MOHAMMED NUMAIR AHMED	18N31A05E0	Capgemini	Superset ID: 1199732
68	Mohd Shoyeb	18N31A05E2	Capgemini	Superset ID: 1196881
69	Pannala Sreenija Reddy	18N31A05G9	Capgemini	Superset ID: 1198354
70	Peddi Yuvaraj	18N31A05H2	Capgemini	Superset ID: 1107001
71	Penti Hemanth	18N31A05H3	Capgemini	Capgemini/Email/08-07-2022
72	Subrato Kumar Roy	18N31A05L0	Capgemini	Superset ID: 1197245
73	Hemanth Suddala	18N31A05L1	Capgemini	Superset ID: 1197931
74	SUGUR UMESHCHANDRA SAGAR	18N31A05L2	Capgemini	Superset ID: 1199107
75	SUNKU VARSHA	18N31A05L6	Capgemini	Ref: 6390288/1488157
76	Bhavya Pranav Tandra	18N31A05L9	Capgemini	Ref: 5572405/1240249
77	THANGELLAPALLY VASAVI	18N31A05M5	Capgemini	Superset ID: 1198209
78	Chandana Sree Vuppala	18N31A05P3	Capgemini	Superset ID: 1198206
79	Yarlagadda Yamuna Deepika	18N31A05P6	Capgemini	Superset ID: 1196740
80	Venkata Sainath Reddy Yekkanti	18N31A05P7	Capgemini	Superset ID: 1197954
81	BALUMURI SIRI SANJANA	18N31A0514	Cognizant	Superset ID: 1202752
82	BATHULA KOTI REDDY	18N31A0518	Cognizant	Cognizant/Email/19-01-2022
83	D SANDEEP	18N31A0548	Cognizant	Cognizant/Email/29-01-2022
84	GADDAM ALEKHYA	18N31A0566	Cognizant	Superset ID: 1202868
85	KACHAM HARICHARAN	18N31A0593	Cognizant	Superset ID: 1196140
86	NAMPALLI HARSHA VARDHAN	18N31A05E7	Cognizant	Cognizant/Email/29-01-2022
87	PATIL AISHWARYA	18N31A05H1	Cognizant	Superset ID: 1199047
88	SADURLA BHANU PRASAD	18N31A05J6	Cognizant	Cognizant/Email/23-04-2022
89	THOMAS SHEEBA MARY	18N31A05M7	Cognizant	Superset ID: 1198517
90	VEGGALAM NANDINI PRIYA	18N31A05N8	Cognizant	Superset ID: 1198516
91	AMIRISHETTI RAJKUMAR	19N35A0501	Cognizant	Cognizant/Email/11-04-2022
92	AKANKSHA AGARWAL	18N31A0503	DBS	DBS/Email/01-02-2022

93	CHINTHIREDDY RAGHUNATH REDDY	18N31A0546	DBS	DBS/Email/01-02-2022
94	GADDAM BHANUREKHA	18N31A0567	DBS	DBS/Email/01-02-2022
95	K MOHSINA KAUSER	18N31A0589	DBS	DBS/Email/01-02-2022
96	KATIKE SAIKUMAR	18N31A05A0	DBS	DBS/Email/01-02-2022
97	M SAI KIRAN	18N31A05C3	DBS	DBS/Email/01-02-2022
98	NANDYALA NAVYA SRI	18N31A05E8	DBS	DBS/Email/01-02-2022
99	PABBA MANIKANTA	18N31A05G1	DBS	DBS/Email/01-02-2022
100	PULLURI PRANEETH RAO	18N31A05H8	DBS	DBS/Email/01-02-2022
101	NUKALA LAASYA	18N31A05F7	Deloitte	Deloitte/Email/10-05-2022
102	PACHIGOLLA JOSHNA	18N31A05G3	Deloitte	Deloitte/Email/01-07-2022
103	Shreya S Mukkamala	18N31A05K8	Deloitte	Deloitte/Email/01-09-2021
104	RAYALA SAIVINAY	18N31A05J3	DeltaX	DeltaX/Email/06-10-2021
105	MOHAMMAD RIYAZ	18N31A05D6	GEP	GEP/Email/17-02-2022
106	CHAPPIDI NAVEENGANDHI	18N31A0536	HCL Technologies	HCL/Email/24-01-2022
107	Chenna Pavankalyan	18N31A0539	HCL Technologies	HCL/Email/01-08-2022
108	GOURANG GIR	19N35A0508	Holm Security	CAN451083
109	KURELLA VAMSI	18N31A05B6	Infosys	Infosys/Email/25-08-2022
110	BANDARU RADHIKA MADHURI	18N31A0515	Mediamint	Mediamint/Email/07-02-2022
111	CHEERA MOUNIKA	18N31A0538	Mediamint	Mediamint/Email/07-02-2022
112	PAL HRITHIKA	18N31A05G6	Mediamint	Mediamint/Email/07-02-2022
113	BOBBA VEERA BRAHMA REDDY	18N31A0523	Modak Analytics	Modak Analytics/Email/22-11-2021
114	TELUGU BHAVYA SREE	18N31A05M1	Modak Analytics	Modak Analytics/Email/03-01-2022
115	ALURI ABHILASH	18N31A0508	NTT Data	NTT Data/Email/03-03-2022
116	CHIKKUDU JYOTHI	18N31A0541	NTT Data	NTT Data/Email/03-03-2022
117	GANJI VARSHITHA	18N31A0565	NTT Data	NTT Data/Email/03-03-2022
118	KOMMOJU SATYA KARTHIK BABU	18N31A05B1	NTT Data	NTT Data/Email/03-03-2022
119	L PREETHI	18N31A05B8	NTT Data	NTT Data/Email/03-03-2022
120	NETI SREE HARSHA	18N31A05F4	NTT Data	NTT Data/Email/03-03-2022
121	NAMTHEBAD MADHAN	19N35A0517	NTT Data	NTT Data/Email/03-03-2022
122	PINNI SAILATHA	18N31A05H5	Persistent	Persistent/Campus/1613410/3.0
123	THAMMADAVENI RUCHITHA	18N31A05M4	Persistent	Persistent/Email/10-01-2022

124	NAGULAPALLI HEMANTH	18N31A05E5	Salesforce	Salesforce/Email/06-12-2021
125	ALAKUNTLA SATHISH	18N31A0506	TCS Ninja	TCSL/DT20218128842/Hyderabad
126	YUVRAJ CHAVAN	19N35A0524	TCS Ninja	TCSL/DT20206463527/Hyderabad
127	Piyush Jangid	18N31A0537	TCS Digital	TCSL/DT20206932529/Hyderabad
128	Ruchitha Deshoju	18N31A0554	TCS Ninja	TCSL/DT20206535497/Hyderabad
129	Dondeti Aparna	18N31A0558	TCS Ninja	TCSL/DT20218242093/Hyderabad
130	Kakani Venkata Naveena Sai	18N31A0594	TCS Ninja	TCSL/DT20206943731/1643584/Hyderabad
131	Miriyala Avinash	18N31A05D5	TCS Ninja	TCSL/DT20218145195/Hyderabad
132	Mohd Mubasheer pasha	18N31A05E1	TCS Ninja	TCS/Email/12-11-2021
133	Rudraram Sai Kiran	18N31A05J4	TCS Ninja	TCSL/DT20206463890/Hyderabad
134	Sunder Asuri	18N31A05L3	TCS Ninja	TCSL/DT20206464305/Hyderabad
135	Sunkara Sarala	18N31A05L4	TCS Ninja	TCSL/DT20206463676/Hyderabad
136	Udugula Lakshmi Sowmya	18N31A05N0	Virtusa	Virtusa/Email/03-11-2021
137	ARJAMPUDI V V MANIKANTA SWAMY	18N31A0511	Wipro Technologies	Wipro/Email/28-03-2022
138	BHUKYA NAVEEN	18N31A0520	Wipro Technologies	Wipro/Email/31-10-2021
139	BOGGULA BALARAMREDDY	18N31A0525	Wipro Technologies	Wipro/Email/08-02-2022
140	BOLA RAKESH	18N31A0526	Wipro Technologies	Wipro/Email/31-10-2021
141	BONDALAPATI MOHAN KRISHNA	18N31A0527	Wipro Technologies	Wipro/Email/31-10-2021
142	CH RAVI KIRAN	18N31A0533	Wipro Technologies	Wipro/Email/31-10-2021
143	CHIKOTI VISHVA TEJA	18N31A0542	Wipro Technologies	Wipro/Email/31-10-2021
144	CHINTHA MADHUKAR	18N31A0545	Wipro Technologies	Wipro/Email/24-06-2022
145	DAMALA NAGA SUBRAMANYAM	18N31A0549	Wipro Technologies	Wipro/Email/13-01-2022
146	GALIPELLI USHA SRI	18N31A0569	Wipro Technologies	Wipro/Email/31-10-2021
147	GOVINDAPUR UDAY KIRAN REDDY	18N31A0576	Wipro Technologies	22995117
148	GUNAPATI MADHANMOHAN REDDY	18N31A0579	Wipro Technologies	Wipro/Email/02-02-2022
149	JARUPULA MANYAM	18N31A0587	Wipro Technologies	Wipro/Email/31-10-2021
150	KAKULARAPU SOWMYA REDDY	18N31A0596	Wipro Technologies	Wipro/Email/31-10-2021
151	KARNE ROHIT TEJA	18N31A0598	Wipro Technologies	Wipro/Email/02-04-2022
152	KATROATH SHIREESHA	18N31A05A1	Wipro Technologies	Wipro/Email/31-10-2021
153	KIKKISETTI VENKATA DHANUSH	18N31A05A6	Wipro Technologies	Wipro/Email/01-12-2021
154	KIRTHI VAISHNAVI	18N31A05A8	Wipro Technologies	Wipro/Email/31-10-2021

155	KODIDALA VINAY	18N31A05A9	Wipro Technologies	Wipro/Email/31-10-2021
156	KOTTE JASHUVA	18N31A05B5	Wipro Technologies	Wipro/Email/06-12-2021
157	KUSTHAPURAM RAJESH	18N31A05B7	Wipro Technologies	22995360
158	K SAIRAM	18N31A05C8	Wipro Technologies	Wipro/Email/06-04-2022
159	MANDEM VENKATA SRINIVASA REDDY	18N31A05C9	Wipro Technologies	Wipro/Email/20-01-2022
160	M v Lakshman	18N31A05D1	Wipro Technologies	Wipro/Email/25-03-2022
161	MOHAMMED ASLAM	18N31A05D9	Wipro Technologies	Wipro/Email/31-10-2021
162	NEERATI NAVEEN	18N31A05F0	Wipro Technologies	Wipro/Email/31-10-2021
163	P SRIVALLI	18N31A05G0	Wipro Technologies	Wipro/Email/31-10-2021
164	RACHURI RAM KASHYAP	18N31A05H9	Wipro Technologies	Wipro/Email/31-10-2021
165	SHOUBHIK PAN	18N31A05K7	Wipro Technologies	Wipro/Email/31-10-2021
166	DUSSA SRIKANTA	19N35A0504	Wipro Technologies	Wipro/Email/20-01-2022
167	GABBETA DIVAKAR	19N35A0505	Wipro Technologies	Wipro/Email/12-06-2022
168	GOUTE SOUMYA	19N35A0509	Wipro Technologies	Wipro/Email/01-06-2022
169	MEKAKUNDE NITHIN	19N35A0513	Wipro Technologies	Wipro/Email/20-01-2022
170	MOTAMARY KIRAN	19N35A0515	Wipro Technologies	Wipro/Email/05-02-2022
171	RONDLA BHAVANI	19N35A0522	Wipro Technologies	Wipro/Email/20-01-2022

4.5 Professional Activities (20) Total Marks 20.00

4.5.1 Professional societies/chapters and organizing engineering events (5)

Institute Marks : 5.00

PROFESSIONAL SOCIETIES /CHAPTERS AND ORGANIZING ENGINEERING EVENTS

The purpose of student chapters is to help the student members learn professional skills, build strong international connections, etc. To strengthen the POs & PSO's various activities are conducted under student chapters like CSI,IEEE, ISTE.

CSI STUDENT BRANCH

About CSI

The seed for the Computer Society of India (CSI) was first shown in the year 1965 with a handful of IT enthusiasts who were a computer user group and felt the need to organize their activities. They also wanted to share their knowledge and exchange ideas on what they felt was a fast emerging sector. Today the CSI takes pride in being the largest and most professionally managed association of and for IT professionals in India. The purposes of the Society are scientific and educational directed towards the advancement of the theory and practice of computer science and IT. It has spread its branches all over the country. Currently having more than 500 student branches and rooted firmly at 73 different locations, CSI has plans of opening many more chapters & activity centers in smaller towns and cities of the country. The idea is to spread the knowledge, and provide opportunities to as many interested as possible.

CSI Chapter at MRCET

MRCET Student Branch of Computer Society of India started in the year 2016 with a group of CSE students who were a computer user group and felt the need to organize their activities. They also wanted to share their knowledge and exchange ideas on what they felt was a fast emerging sector. Today the CSI takes pride in being the largest and most professionally managed association of and for Student professionals in MRCET. The purposes of the Student Branch-CSI are scientific and educational directed towards the advancement of the theory and practice of computer science and IT.

Events at ISB-CSI

As Part Of Its Endeavor To Bring Together And Assimilate Various Aspects Of IT, CSI Conducts Premier Events Such As A National Convention, Workshops, Seminars, LECTURES, PROJECTS, Trainings, Technical Competitions , Technical Events, Show Cases, AWARDS etc.

STUDENT CHAPTER CSI:

EDUCATIONAL INSTITUTIONAL MEMBERSHIP NUMBER: I01924

PROGRAMS/WORKSHOPS ORGANISED

Following is the list of programs /workshops/guest lecture organized under the leadership of CSI in respective academic year in Table 4.5.1.1

Table: 4.5.1.1

S.No	Workshop Name	Name of the coordinator	Date & Year	Duration	No. of Participants
Academic Year 2022-2023					
1	Expert Talk on PROBLEM SOLVING AND IDEATION	G. RAVI, Associate professor	25th July 2024	One day	109
2	Espirito-2K23	M. SambaSivudu, Associate professor	27th & 28th January 2023	Two days	405
Academic Year 2023-2024					
3	Data Analysis Techniques Workshop	M. Sandeep, Associate professor	Feb 26th- 29th 2024	four days	260
4	Espirito 2k24	M. SambaSivudu, Associate professor	2nd & 10th February 2024	Two days	410
5	MACHINE LEARNING	B. Saritha, Assistant Professor	20th & 24th November 2023	Five days	240
Academic Year 2024-2025					
6	Digital Marketing for Startups-Building an Online Presence	Sandeep Agarwalla, Associate professor	13th July 2024	One day	110
7	Intellectual property rights for startups - Safeguarding Innovation	D.RADHA, Associate professor	25th July 2024	One day	109

Academic Year 2023-2024

FACULTY ADVISORS

S.NO	Name of the faculty	Designation
1	Dr. S SRINIVASA RAO	Principal
2	Dr. T. VENUGOPAL	Dean Academics
3	Dr. D. SUJATHA	Dean CSE
4	Dr. S SHANTHI	Head of the Department
5	Dr. MUMMORTHY	Professor

Executive Committee

- **Student Branch Executive Committee**

- President: Mr. SAI CHARAN REDDY
- Vice President: Ms. K VAISHNAVI
- Secretary: Mr. K SRITEJA
- Joint Secretary: Ms. SATHVIKA
- Treasurer: Mr. CHARAN TEJA
- Prime Member: Ms. HEMIMA

IEEE STUDENT BRANCH

Institute of Electrical and Electronics Engineers (IEEE):

About IEEE IEEE is the world’s largest leading professional association for the advancement of technology. IEEE & its members inspire a global community through IEEE’s highly cited publications, conferences, technology standards, professional & educational activities. IEEE offers a wide range of learning, career enhancement and employment opportunities within the engineering sciences, research and other technology area. IEEE’s core purpose is to promote technological innovation and excellence for the benefit of humanity. IEEE will be essential to the global technical community and to technical professionals everywhere and universally recognized for the contributions of technology and technical professionals in improving global conditions. IEEE is the world’s largest technical professional society. It is designed to serve professional involved in all aspects of the electrical, electronic and computer fields and related areas of science & technology that underlie modern civilization.

IEEE Chapter at MRCET

Student Branches provide IEEE Student members a networking opportunity to meet and learn from fellow students, as well as faculty members and professionals in the field to share their interests, future professions and ideas, in addition to improving their soft and hard skills.

An active IEEE Student Branch can be one of the most positive elements in a department, offering programs in IEEE designated fields of Engineering, Computer Science and Information Technology, as well as similarly related fields of interest.

STUDENT CHAPTER IEEE:

EDUCATIONAL INSTITUTIONAL MEMBERSHIP NUMBER: STB05801

PROGRAMS/WORKSHOPS ORGANISED

Following is the list of programs /workshops/guest lecture organized under the leadership of IEEE in respective academic year in Table 4.5.1.3

Table: 4.5.1.3

S.NO	Workshop Name	Name of the coordinator	Date & Year	Duration	No. of Participants
Academic Year 2022-2023					
1	EXPERT TALK ON – "A practical Approach on Data Science "	K. Chandusha, Assistant Professor	18th March 2023	One day	300
2	Espirito-2K23	M. Samba Sivudu, Associate professor	27th & 28th January 2023	Two days	405
3	Intra Institutional Innovation Competition	P. Dastagiri Reddy, Assistant Professor	27th January 2023	One day	35
4	WEB DEVELOPMENT USING DJANGO FRAMEWORK	G. Ravi, Associate professor	16th & 20th, December	Four days	280
Academic Year 2023-2024					
5	IDEATHON-2023	CH. Rajesh, Assistant professor	11th & 12th August 2023	Two days	66
6	Entrepreneurship, Readiness Camp	M. Sandeep, Associate professor	27-01-2024	One day	450
7	Espirito2K24	M. SambaSivudu, Assistant Professor	2nd & 10th Jan 2024	Two days	410
Academic Year 2024-2025					
8	Intra-Institutional Idea Competition	P. Honey Diana, Assistant professor	29-10-2024 to 30-10-2024	Two days	63
9	"WEB DEVELOPMENT USING FLASK"	Mr. Sandeep Agarwalla, Assistant Professor	26th &28th September 2024, 15th &17th 2024	Six days	240

Academic Year 2023-2024

FACULTY ADVISORS

S.NO	Name of the faculty	Designation
1	Dr. S SRINIVASA RAO	Principal
2	Dr. T. VENUGOPAL	Dean Academics
3	Dr. D. SUJATHA	Dean CSE
4	Dr. S SHANTHI	Head of the Department
5	Dr. RAHAMAT BASHA	Professor

Executive Committee

Student Branch Executive Committee

Chair:	POORNA CHANDRA
Vice Chair:	KADAMOLLA ISHWARYA
Secretary:	K SRITEJA
Treasurer:	M AMAN SHAH
Executive Members:	G VAMSHI SAI SHREEYA KUNCHALA SHARANYA NISHITHA MANDA VARUN REDDY SAMBARU SRINATH PINJARI RIYAZ

ISTE STUDENT BRANCH

The major objective of the ISTE is to provide quality training programmes to teachers and administrators of technical institutions to update their knowledge and skills in their fields of activity and to assist and contribute in the production and development of top quality professional engineers and technicians needed by the industry and other organisations.

- Providing quality training programmes to teachers and administrators of technical institutions to update their knowledge and skills in their fields of activity.

- To assist and contribute in the production and development of top quality professional engineers and technicians needed by the industry and other organizations.
- Providing guidance and training to students to develop better learning skills and personality.

PROGRAMS/WORKSHOPS ORGANISED

Following is the list of programs /workshops/guest lecture organized under the leadership of ISTE in respective academic year in table 4.5.1.5

S.NO	Workshop Name	Name of the coordinator	Date & Year	Duration	No. of Participants
Academic Year 2022-2023					
1	EXPERT TALK ON –"A practical Approach on Data Science "	K.Chandusha Assistant Professor	18th March 2023	One day	300
2	Espirito-2K23	M.SambaSivudu Associate professor	27th & 28th January 2023	Two days	405
	Academic Year 2023-2024				
3	IDEATHON-2023	CH.Rajesh Assistant professor	11th & 12th August 2023	Two days	66
4	"STATISTICAL VISUALIZATION AND ANALYSIS"	Dr.N.Sateesh Kumar Associate Professor	16th & 17th OCTOBER 2023	Two days	135
5	Espirito2K24	M.SambaSivudu Assistant Professor	2nd & 10th Jan 2024 a	Two days	410
Academic Year 2024-2025					
6	"WEB DEVELOPMENT USING FLASK"	Mr Sandeep Agarwalla Assistant Professor	26th &28th September 2024 15th &17th 2024	Six days	240
7	DIGITAL DEFENDERS (Strengthening security awareness)	R.sujatha Assistant Professor	Oct 16 & 17 2024	Two days	72

Academic Year 2023-2024

FACULTY ADVISORS

S.NO	Name of the faculty	Designation
1	Dr. S SRINIVASA RAO	Principal
2	Dr. T. VENUGOPAL	Dean Academics
3	Dr. D. SUJATHA	Dean CSE
4	Dr. S SHANTHI	Head of the Department
5	Dr. SAMBA SIVUDU	Professor

Executive Committee

OFFICE BEARERS

- **Student Branch Executive Committee**

- Chair: SHIVA
- Vice Chair: SAI SHREEYA
- Secretary: RAHUL
- Treasurer: SAI CHARAN
- Executive Members: EMMADI MANASWIN
  DASARI VAMSHI REDDY
  G BHANU PRAKASH GOUD
  PUTTA VARSHITHA
  SAMBARU SRINATH
  SANAGA PRAVALIKA
  RAMAVATH DIVYA

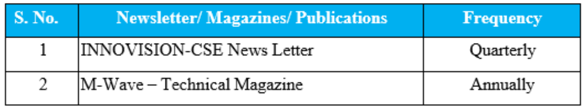
4.5.2 Publication of technical magazines, newsletters, etc. (5)

Institute Marks : 5.00

PUBLICATIONS OF TECHNICAL MAGAZINES,NEWSLETTERS

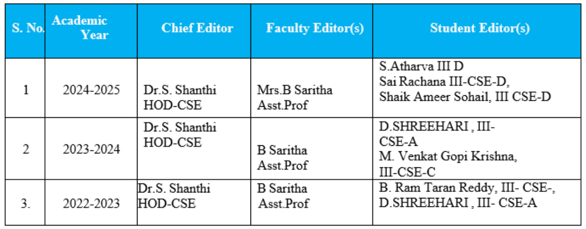
The Department of Computer Science and Engineering publishes News Letter "**INNOVISION**" and Technical magazines "**M-WAVE**" are published every year and summarized in Tables 4.5.2.1, 4.5.2.2, and 4.5.2.3 given below

Table 4.5.2.1 Frequency of publishing Newsletters, Technical Magazines



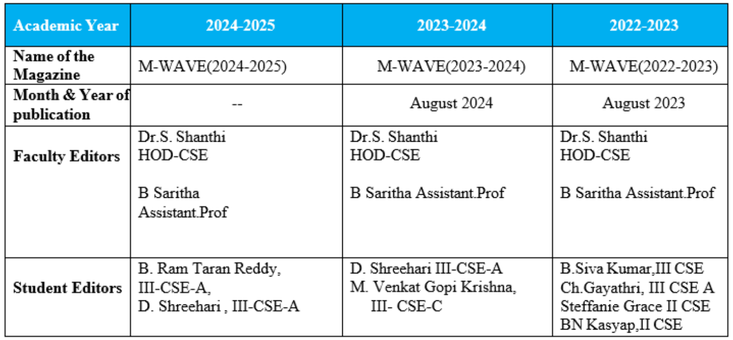
S. No.	Newsletter/ Magazines/ Publications	Frequency
1	INNOVISION-CSE News Letter	Quarterly
2	M-Wave – Technical Magazine	Annually

Table 4.5.2.2 Details of CSE News Letter



S. No.	Academic Year	Chief Editor	Faculty Editor(s)	Student Editor(s)
1	2024-2025	Dr.S. Shanthi HOD-CSE	Mrs.B Saritha Asst.Prof	S.Atharva III D Sai Rachana III-CSE-D, Shaik Ameer Sohail, III CSE-D
2	2023-2024	Dr.S. Shanthi HOD-CSE	B Saritha Asst.Prof	D.SHREEHARI , III-CSE-A M. Venkat Gopi Krishna, III-CSE-C
3.	2022-2023	Dr.S. Shanthi HOD-CSE	B Saritha Asst.Prof	B. Ram Taran Reddy, III- CSE-, D.SHREEHARI , III- CSE-A

Table 4.5.2.3 Details of Technical Magazine –M-WAVE



Academic Year	2024-2025	2023-2024	2022-2023
Name of the Magazine	M-WAVE(2024-2025)	M-WAVE(2023-2024)	M-WAVE(2022-2023)
Month & Year of publication	--	August 2024	August 2023
Faculty Editors	Dr.S. Shanthi HOD-CSE B Saritha Assistant.Prof	Dr.S. Shanthi HOD-CSE B Saritha Assistant.Prof	Dr.S. Shanthi HOD-CSE B Saritha Assistant.Prof
Student Editors	B. Ram Taran Reddy, III-CSE-A, D. Shreehari , III-CSE-A	D. Shreehari III-CSE-A M. Venkat Gopi Krishna, III- CSE-C	B.Siva Kumar,III CSE Ch.Gayathri, III CSE A Steffanie Grace II CSE BN Kasyap,II CSE

4.5.3 Participation in inter-institute events by students of the program of study (10) Institute Marks : 10.00

PROFESSIONAL EVENTS

Students are motivated to participate in various inter-institute events at different levels like state, national & international. Technical events like **ESPIRITO,EXUBERANZA** are also conducted at the institute level which includes various events like poster presentation, paper presentation, project exhibition, etc. The students from other institute also participate in these events.

SUMMARY OF PROFESSIONAL ACTIVITIES		
ACADEMIC YEAR	**INTER COLLEGE PARTICIPATION**	**INTRA COLLEGE PARTICIPATION**
2022-23	42	36
2023-24	14	38
2024-25	10	30

PROFESSIONAL EVENTS (2024-2025)

INTER INSTITUTE

S.NO	NAME OF THE STUDENT	YEAR	NAME OF THE EVENT	VENUE	FEST NAME	DATE
1	G LAKSHIMI SRAVANI	IV	TATA INNOVANT	HYDERABAD	TATA TECHNOLOGIES	10-Oct-24
2	G VARSHITH	IV	TATA INNOVANT	HYDERABAD	TATA TECHNOLOGIES	10-Oct-24
3	J ASHWANTH KUMAR	IV	TATA INNOVANT	HYDERABAD	TATA TECHNOLOGIES	10-Oct-24
4	G SHRIMAYI	IV	TATA INNOVANT	HYDERABAD	TATA TECHNOLOGIES	10-Oct-24
5	T SIVA RAMA KRISHNA	III	HACKATHON	MREC	STRATUM24	30-Nov-24
6	T SANJANA CHOWDARY	III	HACKATHON	MREC	STRATUM24	30-Nov-24
7	V TEJASWINI	III	HACKATHON	MREC	STRATUM24	30-Nov-24
8	P VIGHNESH	III	IDEATHON	VIT	THINKUP IDEATHON	11-12 SEPT 2024
9	K SAI VISHNU VARDHAN REDDY	IV	IDEATHON	VIT	THINKUP IDEATHON	11-12 SEPT 2024
10	K NITHIN PRAKASH	IV	IDEATHON	VIT	THINKUP IDEATHON	11-12 SEPT 2024
11	M AMAN SHAH	IV	PAPER PRSENTATION	COMPUTER SOCIETY OF INDIA	ICCSCCP2024	29-Jun-24
12	K VAMSHIDHAR REDDY	IV	IDEATHON	VIT	THINKUP IDEATHON	11-12 SEPT 2024
13	B SHIVA KUMAR	IV	INTERNAL SOCIETY OF GEN &CELL THERAPYAND AIML -BIO 2024	RV COLLEGE BENGALURU	6TH ANNUAL CONVENTION	20-21 SEPT 2024
14	SAI THARESH REDDY VUPPUGANDLA	III	INTERNAL SOCIETY OF GEN &CELL THERAPYAND AIML -BIO 2024	RV COLLEGE BENGALURU	6TH ANNUAL CONVENTION	20-21 SEPT 2024
15	B SRILATHA	IV	CODING	SRM CHENNAI	DATAKON24	29 OCT 2K4

16	K SAI SHREEYA	IV	HACKATHON	DAYANANDA SAGAR UNIVERSITY KARANATAKA	DEVHACK24	27-28 SEPT 2024
17	K SHARANYA	IV	HACKTHON	SRM CHENNAI	SMART INDIA HACKTHON	1 -3 SEPT 2024
18	K PRANITHA	IV	IDEATHON	SRM CHENGALPATTU	AWS GENAI IDEATHON	21-22 OCT 2024
19	V MANIKANTA	IV	DD-ROBOCON	IIT DELHI	PRASAR BHARTHI	13-14 JULY 2024
20	V DURGA SRI KRISHNA	IV	CODING	SRM CHENNAI	DATAKON24	29 OCT 2K4
21	M ANIL	IIV	BUG –BUSTER'S	SRM KATTANKULATHUR	CINTEL STUDENT ASSOCIATION	19-Sep-24
22	S ADARSH	III	CODING NINJAS	SRM	CAMPUS QUEST 3.0	OCT 25 2024
23	K AKSHAY KUMAR	III	CODING	SRM CHENNAI	DATAKON24	29 OCT 2K4
24	M AMAN SHAH	IV	HACK2TechSustain	Anna university	24-hour national hackathon	April 26 2024
25	EMMADI MANASWINI	IV	QUANTATHON 2.0	SRMIST	QUANTUM COMPUTING CLUB	15 TO 18 OCT 2024
26	N ABHINAV	IV	CODING	SRM CHENNAI	DATAKON24	29 OCT 2K4

INTRA INSTITUTE

S.NO	**NAME OF THE STUDENT**	**YEAR**	**NAME OF THE EVENT**	**VENUE**	**FEST NAME**	**DATE**
1	K. ABHI RAM	III	INTERNAL HACKATHON[SIH]	MRCET	SMART INDIA HACKATHON 2024	5-6 SEPT 2024
2	K. HARINI	III	INTERNAL HACKATHON[SIH]	MRCET	SMART INDIA HACKATHON 2024	5-6 SEPT 2024
3	L.SHIRISHA	III	INTERNAL HACKATHON[SIH]	MRCET	SMART INDIA HACKATHON 2024	5-6 SEPT 2024

4	M.JAYA SREE	III	INTERNAL HACKATHON[SIH]	MRCET	SMART INDIA HACKATHON 2024	5-6 SEPT 2024
5	M.AKHIL	III	INTERNAL HACKATHON[SIH]	MRCET	SMART INDIA HACKATHON 2024	5-6 SEPT 2024
6	K. MANISHA	III	INTERNAL HACKATHON[SIH]	MRCET	SMART INDIA HACKATHON 2024	5-6 SEPT 2024
7	Siva Rama Krishna	III	INTERNAL HACKATHON[SIH]	MRCET	SMART INDIA HACKATHON 2024	5-6 SEPT 2024
8	Moyya Shraghvin	III	INTERNAL HACKATHON[SIH]	MRCET	SMART INDIA HACKATHON 2024	5-6 SEPT 2024
9	Samala Sai Rachana	III	INTERNAL HACKATHON[SIH]	MRCET	SMART INDIA HACKATHON 2024	5-6 SEPT 2024
10	Shaik Ameer Sohail	III	INTERNAL HACKATHON[SIH]	MRCET	SMART INDIA HACKATHON 2024	5-6 SEPT 2024
11	Bonthu Moulika	III	INTERNAL HACKATHON[SIH]	MRCET	SMART INDIA HACKATHON 2024	5-6 SEPT 2024
12	K. ABHI RAM REDDY	III	INTERNAL HACKATHON[SIH]	MRCET	SMART INDIA HACKATHON 2024	5-6 SEPT 2024
13	L. SHIRISHA	III	INTERNAL HACKATHON[SIH]	MRCET	SMART INDIA HACKATHON 2024	5-6 SEPT 2024
14	M. JAYASREE	III	INTERNAL HACKATHON[SIH]	MRCET	SMART INDIA HACKATHON 2024	5-6 SEPT 2024
15	M. Akhil	III	INTERNAL HACKATHON[SIH]	MRCET	SMART INDIA HACKATHON 2024	5-6 SEPT 2024
16	K. Manisha	III	INTERNAL HACKATHON[SIH]	MRCET	SMART INDIA HACKATHON 2024	5-6 SEPT 2024

17	Pale Pravalika	III	INTERNAL HACKATHON[SIH]	MRCET	SMART INDIA HACKATHON 2024	5-6 SEPT 2024
18	Bapatla Amulya	III	INTERNAL HACKATHON[SIH]	MRCET	SMART INDIA HACKATHON 2024	5-6 SEPT 2024
19	A Mahith	III	INTERNAL HACKATHON[SIH]	MRCET	SMART INDIA HACKATHON 2024	5-6 SEPT 2024
20	A Bhuvana	III	INTERNAL HACKATHON[SIH]	MRCET	SMART INDIA HACKATHON 2024	5-6 SEPT 2024
21	B RACHANA	III	IDEATHON	MRCET	IDEATHON2024	16 -17 AUG 2024
22	KOMMU TAGORE	II	INTERNAL HACKATHON[SIH]	MRCET	SMART INDIA HACKATHON 2024	06-Sep-24
23	GOPALAPU CHINNU	II	INTERNAL HACKATHON[SIH]	MRCET	SMART INDIA HACKATHON 2024	06-Sep-24
24	JELLA PHANITH	II	INTERNAL HACKATHON[SIH]	MRCET	SMART INDIA HACKATHON 2024	06-Sep-24
25	A STEFFANIE GRACE	III	IDEATHON	MRCET	IDEATHON2024	16 -17 AUG 2024
26	J ADH IKOWSHIK REDDY	III	IDEATHON	MRCET	IDEATHON2024	16 -17 AUG 2024
27	T SIVA RAMA KRISHNA	III	IDEATHON	MRCET	IDEATHON2024	16 -17 AUG 2024

MERIT

S. NO	NAME OF THE STUDENT	YEAR	NAME OF THE EVENT	VENUE	FEST NAME	DATE	WON
1	GOTTAM SAI CHARAN REDDY	IV	HACKATHON	MREC	STRATUM24	30-Nov-24	I
2	K SAI VISHNU VARDHAN REDDY	IV	HACKTHON DATA DRIVEN AI REMOTE SENSING	SRM, CHENNAI	IEEE GRSM SRM	22 -24 OCT 2024	II

3	B NAGA SAI	IV	CAPTURE THE FLAG	SRM, CHENNAI	CINTEL STUDENT ASSOCIATION	13-Aug-24	III
4	PINJARI RIYAZ	IV	HACKATHON	SRM CHENNAI	24HRS HACKTHON ON FSD	13-14 SEPT 2024	I
5	C AKASH	IV	IDEATHON	SRM CHENGALPATTU	AWS GENAI IDEATHON	21-22 OCT 2024	I
6	R TARUNI	IV	IDEATHON	SRM CHENGALPATTU	AWS GENAI IDEATHON	21-22 OCT 2024	I
7	SREEKANTA VALLABESH	III	HACKATHON	GOKARAJU RANGARAJU	VIVITSU ‘24	19 -20 APRIL 24	I
8	MANASAWANI EMMADI	III	HACKATHON	GOKARAJU RANGARAJU	VIVITSU ‘24	19 -20 APRIL 24	I
9	AKINAPALLY AKHILA	III	STARTUP BUSINESS	KMUTT BANGKOK	START UP EXCHANGE 2024	28 TH APRIL 2024	I
10	AKSHITHA	III	HACKATHON	GOKARAJU RANGARAJU	VIVITSU ‘24	19 -20 APRIL 24	I
11	PIYUSH SAMANTA	III	CAPTURE THE FLAG	SRM	CINTEL STUDENT ASSOCIATION	13-Aug-24	I
12	SAI PRAKASH REDDY	III	HACKATHON	GOKARAJU RANGARAJU	VIVITSU ‘24	19 -20 APRIL 24	I
13	THUNUGUNTLA SIVA RAMA KRISHNA	III	PAPER PRESENTATION	NARSIMHA REDDY ENGINEERING COLLGE	NCRTEMS (2024)	11-12 NOV 2024	I
14	ALAMANDA STEFFANIE GRACE	III	PAPER PRESENTATION	NARSIMHA REDDY ENGINEERING COLLGE	NCRTEMS (2024)	11-12 NOV 2024	I
15	PASALA SRAVANTHI	III	PAPER PRESENTATION	NARSIMHA REDDY ENGINEERING COLLGE	NCRTEMS (2024)	11-12 NOV 2024	I
16	MALLISETTI HARICHARAN	III	PAPER PRESENTATION	NARSIMHA REDDY ENGINEERING COLLGE	NCRTEMS (2024)	11-12 NOV 2024	I

PROFESSIONAL ACTIVITES 2023-2024

INTER INSTITUTE

S.NO	NAME OF THE STUDENT	YEAR	NAME OF THE EVENT	VENUE	FEST NAME	DATE
1	GORRE POORNA CHANDRA	III	DARK PATTERN BUSTER	IIT BANARAS HINDU UNIVERSITY	HACKTHON	2023
2	BOLLI AKSHITHA	III	PENTA HON	SRM	CITEL GEN AI CLUB	14-15 FEBURARY 2024
3	CHENIMINI SIRI LAKSHMI	III	PENTA HON	SRM	CITEL GEN AI CLUB	14-15 FEBURARY 2024
4	EMMADI MANASWINI	III	PENTA HON	SRM	CITEL GEN AI CLUB	14-15 FEBURARY 2024
5	DURGAM KAVYA	III	PENTA HON	SRM	CITEL GEN AI CLUB	14-15 FEBURARY 2024
6	ALLURI NANDINI	III	HACKATHON	(MREC)	PARESTO2K4	JUN 24-26 2024
7	EGOLAM RAHUL	III	HACKATHON	MREC	PARESTO2K4	JUN 24-26 2024
8	SUTRAYE ALEKHYA	III	HACKATHON	MREC	PARESTO2K4	JUN 24-26 2024
9	UGGU HARI CHANDANA	III	HACKATHON	MREC	PARESTO2K4	JUN 24-26 2024
10	GONDI CHANDANA	III	HACKATHON	MREC	PARESTO2K4	JUN 24-26 2024

INTRA INSTITUTE

S.NO	NAME OF THE STUDENT	YEAR	NAME OF THE EVENT	VENUE	FEST NAME	DATE
1	K PRANITHA	III	Internal Hackathon	MRCET	SMART INDIA HACKATHON	20TH SEPT 2023
2	K SAI SHREEYA	III	Internal Hackathon	MRCET	SMART INDIA HACKATHON	20TH SEPT 2023
3	K.V SRI RAM	III	Internal Hackathon	MRCET	SMART INDIA HACKATHON	20TH SEPT 2023
4	AKSHAY	III	Internal Hackathon	MRCET	SMART INDIA HACKATHON	20TH SEPT 2023
5	K VAISHNAVI	III	Internal Hackathon	MRCET	SMART INDIA HACKATHON	20TH SEPT 2023
6	G SHRIMAYI	III	Internal Hackathon	MRCET	SMART INDIA HACKATHON	20TH SEPT 2023
7	K SRI TEJA	III	Internal Hackathon	MRCET	SMART INDIA HACKATHON	20TH SEPT 2023

8	S. Pravalika	III	Internal Hackathon	MRCET	SMART INDIA HACKATHON	20TH SEPT 2023
9	K.SAI SHREEYA	III	POSTER PRESENTATION	MRCET	ESPIRITO 2024	2 -3 FEB 2K24
10	SURAM SRI HARSHA	III	IDEA EXPO	MRCET	ESPIRITO 2024	2 -3 FEB 2K24
11	KALUKURI HEMIMA	III	PAPER PRESENTATION	MRCET	ESPIRITO 2024	2 -3 FEB 2K24
12	NALLA ABHINAV	III	CODE GOLF	MRCET	ESPIRITO 2024	2 -3 FEB 2K24
13	KANDULA V UMA DEEKSHITH REDDY	III	PAPER PRESENTATION	MRCET	ESPIRITO 2024	2 -3 FEB 2K24
14	GRANDHI BINDU	III	IDEA EXPO	MRCET	ESPIRITO 2024	2 -3 FEB 2K24
15	RAMPELLI SHIVA KUMAR	III	CODE GOLF	MRCET	ESPIRITO 2024	2 -3 FEB 2K24
16	KUMMARI ANJALI	III	POSTER PRESENTATION	MRCET	ESPIRITO 2024	2 -3 FEB 2K24
17	GOLLA PAVANI	III	TECH QUIZ	MRCET	ESPIRITO 2024	2 -3 FEB 2K24
18	GUDIKANDULA YASHWANTH	III	LAN GAMING	MRCET	ESPIRITO 2024	2 -3 FEB 2K24
19	PAMBA SAI DARSHINI	III	FASTEST FINGER FIRST	MRCET	ESPIRITO 2024	2 -3 FEB 2K24
20	PAMBA SAI DARSHINI	III	PHOTO FIESTA	MRCET	ESPIRITO 2024	2 -3 FEB 2K24
21	PUTTA VARSHITHA	III	TECH QUIZ	MRCET	ESPIRITO 2024	2 -3 FEB 2K24
22	DAPPU NISHITHA	III	SIXTH SENSE	MRCET	ESPIRITO 2024	2 -3 FEB 2K24

23	DOTA NAGA SRI SAI	III	TREASURE HUNT	MRCET	ESPIRITO 2024	2 -3 FEB 2K24
24	BADAVATH MADHU SRI	III	CRICK BUZZ	MRCET	ESPIRITO 2024	2 -3 FEB 2K24
25	SAMBARU SRINATH	III	CODE GOLF	MRCET	ESPIRITO 2024	2 -3 FEB 2K24
26	MALOTHU AKHIL	II	LAN GAMING	MRCET	ESPIRITO 2024	2 -3 FEB 2K24
27	KOTTA YASASWI	II	CRIC BUZZ	MRCET	ESPIRITO 2024	2 -3 FEB 2K24
28	NAMPALLY SIRISHA	II	IDEA EXPO	MRCET	ESPIRITO 2024	2 -3 FEB 2K24
29	P SEKHAR	II	Treasure Hunt	MRCET	ESPIRITO 2024	2 -3 FEB 2K24
30	S MEGHANA	II	TECH QUIZ	MRCET	ESPIRITO 2024	2 -3 FEB 2K24
31	SATTI HARISH REDDY	II	CODE GOLF	MRCET	ESPIRITO 2024	2 -3 FEB 2K24
32	SHAZIA PARVEEN	II	PAPER PRESENTATION	MRCET	ESPIRITO 2024	2 -3 FEB 2K24
33	SUNKE KESHAV	II	PAPER PRESENTATION	MRCET	ESPIRITO 2024	2 -3 FEB 2K24
34	TONTA NIHARIKA	II	PAPER PRESENTATION	MRCET	ESPIRITO 2024	2 -3 FEB 2K24
35	THUNUGUNTLA SIVA KUMAR	II	CODE INFINITY	MRCET	NATIONAL LEVEL 24-hr HACKATHON	1-2 MAR 2024
36	SAI MADHAVA KRISHNA PINAGADI	II	CODE INFINITY	MRCET	NATIONAL LEVEL 24-hr HACKATHON	1-2 MAR 2024
37	SAI THARESH	II	CODE INFINITY	MRCET	NATIONAL LEVEL 24-hr HACKATHON	1-2 MAR 2024

38	B. VIJAYA LAXMI	II	CODE GOLF	MRCET	ESPIRITO 2024	2 -3 FEB 2K24

MERIT

S.NO	NAME OF THE STUDENT	YEAR	NAME OF THE EVENT	VENUE	FEST NAME	DATE	WON
1	KOTHAKANTI SAI SHREEYA	III	PAPER PRESENTATION	NARSIMHA REDDY ENGINEERING COLLGE	NCETCSE2K24	16 APRIL 2024	I
2	BANDOJU SHIVA KUMAR	III	PAPER PRESENTATION	NARSIMHA REDDY ENGINEERING COLLGE	NCETCSE2K24	16 APRIL 2024	I
3	KELOTH GURUNATH	III	PAPER PRESENTATION	NARSIMHA REDDY ENGINEERING COLLGE	NCETCSE2K24	16 APRIL 2024	I
4	SAI CHARAN	III	DIGITAL DIMENSIONS	MRU	NEUROSPLASH	FEB16-17 2K24	I

PROFESSIONAL ACTIVITIES 2022-2023

INTER INSTITUTE

S.NO	STUDENT NAME	YEAR	EVENT NAME	VENUE	FEST NAME	DATE
1	GARIPALLI SUPRIYA	II	RAPID HACKS	INDIRA GANDHI DELHI UNIVERSITY FOR WOMEN	GOOGLE DEVELOPMENT STUDENT CLUB	18-19 FEB2023
2	BOLLI AKSHITHA	III	PAPER PRESENTATION	NARSIMHA REDDY ENGINEERING COLLGE	NCETCSE2K23	08-Apr-23
3	GUTPE VARSHITH	II	RAPID HACKS	INDIRA GANDHI DELHI UNIVERSITY FOR WOMEN	GOOGLE DEVELOPMENT STUDENT CLUB	18-19 FEB2023
4	M PAVAN KUMAR	III	PAPER PRESENTATION	Sri Ramaswamy Memorial Institute of Science and Technology	TECH KNOW 2023	8-9 DEC 2023

5	MOTUPALLI SRIVANI	II	RAPID HACKS	INDIRA GANDHI DELHI UNIVERSITY FOR WOMEN	GOOGLE DEVELOPMENT STUDENT CLUB	18-19 FEB2023
6	PIYUSH SAMANTA	III	PAPER PRESENTATION	Sri Ramaswamy Memorial Institute of Science and Technology	TECH KNOW 2023	8-9 DEC 2023
7	BOLLI AKSHITHA	II	RAPID HACKS	INDIRA GANDHI DELHI UNIVERSITY FOR WOMEN	GOOGLE DEVELOPMENT STUDENT CLUB	18-19 FEB2023
8	CHINTALA GAYATHRI	II	RAPID HACKS	INDIRA GANDHI DELHI UNIVERSITY FOR WOMEN	GOOGLE DEVELOPMENT STUDENT CLUB	18-19 FEB2023
9	V DURGA	III	C CODE WARRIORS	MREC FOR WOMEN	MEDHA 2K22	22 OCT 2K22
10	DURGA SRI KRISHNA	III	SGT	MREC	AKSHARA 2023	10-11 MAR 2023

INTRA INSTITUTE

S.NO	NAME OF THE STUDENT	YEAR	NAME OF THE EVENT	VENUE	FEST NAME	DATE
1	SATHWIK	III	ROBO CAR RACING	MRCET	VIVENCIA	27-28 JAN 2023
2	P. PAVANI	III	CODE HACKTHON	MRCET	AAVISHKAAR	27-28 JAN 2023
3	THRISHA	III	CODE HACKTHON	MRCET	AAVISHKAAR	27-28 JAN 2023
4	R AKANSHA	III	CODE HACKTHON	MRCET	AAVISHKAAR	27-28 JAN 2023
5	R SAI SUSRITHA	III	BEST ORATOR	MRCET	COVEAL FRESHERS	10-11 JAN 2023
6	SOMASHEKAR	III	CALIGRAPHY	MRCET	AAVISHKAAR	27-28JAN 2023
7	SOMASHEKAR	III	CODE HACKTHON	MRCET	AAVISHKAAR	27-28JAN 2023
8	SHIVAKUMAR	II	CHECK MATE IN TWO MOVES	MRCET	ESPIRITO	27-28JAN 2023
9	D.NISHITHA	II	PAPER PRESENTATION	MRCET	ESPIRITO	27-28JAN 2023

10	MEGHANA	III	BLIND CODING	MRCET	ESPIRITO	27-28JAN 2023
11	H PRIJWAL REDDY	II	CODE & DEBUGGING	MRCET	ESPIRITO	27-28JAN 2023
12	K HEMIMA	III	CODING	MRCET	ESPIRITO	27-28JAN 2023
13	K. VAISHNAVI CHOWDARY	III	CODING	MRCET	ESPIRITO	27-28JAN 2023
14	K. VAISHNAVI CHOWDARY	II	FASTEST FINGER	MRCET	ESPIRITO	27-28JAN 2023
15	K. VAISHNAVI CHOWDARY	II	CODE DEBUGGING	MRCET	ESPIRITO	27-28JAN 2023
16	RANITH REDDY	II	CODE DEBUGGING	MRCET	ESPIRITO	27-28JAN 2023
17	RANTH REDDY	II	FASTEST FINGER	MRCET	ESPIRITO	27-28JAN 2023
18	BADE RAKESH	II	PAPER PRESENTATION	MRCET	TECHRIX	4-5 MAR 2023
19	KUMMARI SHIVANAND	II	PAPER PRESENTATON	MRCET	TECHRIX	4-5 MAR 2023
20	GOLLAPALLI CHANDRA SIDDARTHA	II	PAPER PRESENTATION	MRCET(Merit)	TECHRIX	4-5 MAR 2023

5 FACULTY INFORMATION AND CONTRIBUTIONS (200)

Total Marks 199.27

:

Sr. No	Name	PAN No.	University Degree	Date of Receiving Degree	Area of Specialization	Research Paper Publications	Ph.D Guidance	Faculty receiving Ph.D during the assessment year	Current Designation	Date (Designated as Prof / Assoc. Prof.)	Initial Date of Joining	Association Type	At present working with the Institution (Yes / No)	Date of Leaving	IS HOD?
1	DR.S.SHANTHI	AXTPM3184D	ME/M. Tech and PhD	11/05/2016	CSE	7			Professor	04/06/2016	04/06/2016	Regular	Yes		Yes
2	Dr. IDIMADAKALA NAGARAJU	AAMPI3752K	ME/M. Tech and PhD	01/07/2010	CSE	9			Professor	09/06/2022	09/06/2022	Regular	Yes		No
3	DR.G.SHARADA	AFSPG4422P	ME/M. Tech and PhD	09/11/2013	CSE	7	2		Professor	26/08/2016	26/08/2016	Regular	Yes		No
4	DR. K. SURESH	BHXPK4587M	ME/M. Tech and PhD	01/06/2019	CSE	7			Professor	02/08/2021	02/08/2021	Regular	Yes		No
5	DR. A. MUMMOORTHY	BHWPM6810L	ME/M. Tech and PhD	03/03/2017	CSE	7			Professor	22/05/2017	22/05/2017	Regular	Yes		No
6	DR. MADADI VIJAYAKAMAL	AKUPM5696C	ME/M. Tech and PhD	01/07/2022	CSE	9	2		Professor	01/07/2022	04/01/2016	Regular	Yes		No
7	DR. DANDU SUJATHA	AFXPD6610F	ME/M. Tech and PhD	01/08/2015	CSE	8	2	2	Professor	06/06/2015	06/06/2015	Regular	Yes		No
8	DR. KADAINTI SRIKANTH	CHKPK6132Q	ME/M. Tech and PhD	06/08/2014	CSE	4			Professor	11/07/2022	11/07/2022	Regular	Yes		No
9	DR. LAKSHMI NAGA JAYAPRADA G	AFTPG5593C	ME/M. Tech and PhD	05/03/2021	CSE	7			Professor	14/04/2023	14/04/2023	Regular	Yes		No
10	DR. M. SAMBASIVUDU	DGZPS5002Q	ME/M. Tech and PhD	20/02/2023	CSE	8			Associate Professor	20/02/2023	02/07/2012	Regular	Yes		No
11	DR. THOTA SIVA RATNA SAI	AVXPT0261G	ME/M. Tech and PhD	18/11/2021	CSE	7			Associate Professor	18/11/2021	07/06/2019	Regular	Yes		No
12	DR. P. DILEEP	APWPP3390K	ME/M. Tech and PhD	06/12/2021	CSE	27	2		Professor	06/12/2021	27/07/2015	Regular	Yes		No
13	DR. S. RAHAMAT BASHA	BKLPS6546K	ME/M. Tech and PhD	09/06/2022	CSE	8			Associate Professor	09/06/2022	01/06/2022	Regular	Yes		No
14	DR. V. SANGEETHA	AHTPV2402K	ME/M. Tech and PhD	01/03/2023	CSE	3			Associate Professor	01/03/2023	24/06/2022	Regular	No	30/11/2024	No
15	DR. AVH SAI PRASAD	AKFPA6142A	ME/M. Tech and PhD	01/09/2021	CSE	11			Associate Professor	30/05/2022	30/05/2022	Regular	Yes		No
16	Dr. GADAMSEETY NANDA KISHORE KUMAR	AFTPG7546R	ME/M. Tech and PhD	25/10/2017	CSE	3			Associate Professor	07/07/2022	07/07/2022	Regular	Yes		No

17	DR. M. GAYATRI	AXFPM4736P	ME/M. Tech and PhD	12/12/2023	CSE	4			Associate Professor	12/12/2023	02/06/2012	Regular	Yes		No
18	DR. P.HARIKRISHNA	AHVPH0424R	ME/M. Tech and PhD	20/09/2019	CSE	11			Associate Professor	07/07/2022	07/07/2022	Regular	Yes		No
19	DR. V.L. PADMALATHA	AMTPV4526H	ME/M. Tech and PhD	03/04/2023	CSE	2			Associate Professor	19/06/2024	19/06/2024	Regular	Yes		No
20	DR. B. PRIYANKA	BZVPB2139Q	ME/M. Tech and PhD	21/09/2021	CSE	3			Associate Professor	12/07/2022	12/07/2022	Regular	No	04/12/2024	No
21	Dr. SATHEESH KUMAR NAGINENI	AEOPN4545F	ME/M. Tech and PhD	24/06/2023	CSE	17	3		Associate Professor	13/04/2023	13/04/2023	Regular	Yes		No
22	DR. BALASANI VENKATA RAMUDU	AYXPB3848A	ME/M. Tech and PhD	19/07/2023	CSE	6			Associate Professor	03/06/2024	03/06/2024	Regular	Yes		No
23	DR.VISHWANATH REDDY SINGIREDDY	APEPV8963J	ME/M. Tech and PhD	03/07/2024	CSE	5			Associate Professor	03/07/2024	01/07/2014	Regular	No	02/12/2024	No
24	Dr. M. NARENDRA	ASYPM2604E	ME/M. Tech and PhD	08/10/2020	CSE	3			Associate Professor	19/07/2024	19/07/2024	Regular	Yes		No
25	DR. RAJESHWAR RAO KODIPAKA	AYMPK2685F	ME/M. Tech and PhD	08/08/2018	CSE	3			Associate Professor	05/04/2022	05/04/2022	Regular	Yes		No
26	DR. P VINAY BHUSHAN	AIYPV0660M	ME/M. Tech and PhD	17/11/2021	CSE	4			Associate Professor	16/05/2022	16/05/2022	Regular	Yes		No
27	DR. LAKSHMAN AAREPU	AVDPA3526H	ME/M. Tech and PhD	08/11/2021	CSE	1			Associate Professor	11/07/2022	11/07/2022	Regular	Yes		No
28	Dr.G. RAVI	APVPG7804C	ME/M. Tech and PhD	04/12/2024	CSE	6			Associate Professor	04/12/2024	17/09/2008	Regular	Yes		No
29	D. RADHA	AJVPR1032R	M.E/M.Tech	24/12/2011	CSE	6			Assistant Professor		23/06/2007	Regular	Yes		No
30	M. SANDEEP	BCDPM2325N	M.E/M.Tech	10/05/2010	CSE	0			Assistant Professor		14/07/2010	Regular	Yes		No
31	MANOJ KUMAR GOTTIMUKKULA	BCPPG3724F	M.E/M.Tech	16/11/2010	CSE	1			Assistant Professor		02/07/2011	Regular	Yes		No
32	C S N DURGHA	AAVPI7737B	M.E/M.Tech	01/06/2010	CSE	0			Assistant Professor		25/02/2022	Regular	Yes		No
33	P. HONEY DIANA	BKGPP3161G	M.E/M.Tech	12/11/2012	CSE	0			Assistant Professor		25/07/2016	Regular	Yes		No
34	N. SIVA KUMAR	CBJPS3675M	M.E/M.Tech	10/12/2013	CSE	0			Assistant Professor		15/04/2015	Regular	Yes		No
35	BOKKA PAVANI	AWOPB1602P	M.E/M.Tech	06/01/2014	CSE	0			Assistant Professor		03/12/2018	Regular	Yes		No

36	P. DASTAGIRI REDDY	BJZPP9902M	M.E/M.Tech	18/12/2012	CSE	3			Assistant Professor		01/06/2022	Regular	Yes		No
37	SANDEEP AGARWALLA	BOWPS3706Q	M.E/M.Tech	05/05/2015	CSE	2			Assistant Professor		30/06/2022	Regular	Yes		No
38	KANDA CHANDUSHA	AWKPC7573N	M.E/M.Tech	15/05/2017	CSE	3			Assistant Professor		15/07/2021	Regular	Yes		No
39	AGNISHA MANDAVA	BCYPM6107M	M.E/M.Tech	10/11/2014	CSE	0			Assistant Professor		09/11/2021	Regular	Yes		No
40	KOLLURI RAVINDER	CSCPK9667D	M.E/M.Tech	06/10/2014	CSE	0			Assistant Professor		01/04/2022	Regular	Yes		No
41	SAI ESWARI DUTTA	CJZPS0374R	M.E/M.Tech	02/02/2015	CSE	0			Assistant Professor		07/07/2022	Regular	Yes		No
42	TANGIRALA PADMAJA	AJFPT4250M	M.E/M.Tech	17/04/2010	CSE	0			Assistant Professor		28/02/2022	Regular	Yes		No
43	SRINIVAS PALAJEESAM	BWHPP2003E	M.E/M.Tech	08/09/2015	CSE	0			Assistant Professor		04/08/2021	Regular	Yes		No
44	DHANDYALA AKHILA	BZHPA0116L	M.E/M.Tech	03/08/2021	CSE	0			Assistant Professor		09/01/2020	Regular	Yes		No
45	GANESH BEEMANAPALLI	DDHPG5257G	M.E/M.Tech	03/12/2019	CSE	0			Assistant Professor		09/01/2020	Regular	Yes		No
46	B.SWAPNA LATHA	BLJPB8349A	M.E/M.Tech	14/09/2021	CSE	0			Assistant Professor		08/11/2021	Regular	Yes		No
47	DOLU VENU GOPAL	BRAPD1896H	M.E/M.Tech	12/05/2016	CSE	0			Assistant Professor		08/12/2021	Regular	Yes		No
48	R. SUJATHA	EIZPS1938C	M.E/M.Tech	01/05/2013	CSE	0			Assistant Professor		27/07/2016	Regular	Yes		No
49	B. ARUNA KUMARI	ANZPB4328E	M.E/M.Tech	02/10/2007	CSE	0			Assistant Professor		17/06/2019	Regular	Yes		No
50	P.SWETHA	AQZPG3400F	M.E/M.Tech	04/01/2012	CSE	1			Assistant Professor		07/06/2019	Regular	Yes		No
51	M. VAZRALU	AEEPV3155K	M.E/M.Tech	06/04/2009	CSE	2			Assistant Professor		01/07/2011	Regular	Yes		No
52	UMAMAHESWARARAO INKOLLU	ACLPI6648H	M.E/M.Tech	07/06/2010	CSE	1			Assistant Professor		12/12/2018	Regular	Yes		No
53	K. SWETHA	BPSPK8576D	M.E/M.Tech	02/12/2010	CSE	1			Assistant Professor		02/07/2012	Regular	Yes		No
54	P. HARI KRISHNA	BIUPP5666E	M.E/M.Tech	04/10/2010	CSE	0			Assistant Professor		02/07/2012	Regular	Yes		No

55	PRAMEELA.N	AKAPN1871G	M.E/M.Tech	08/12/2009	CSE	0			Assistant Professor		14/06/2019	Regular	Yes		No
56	R CHANDRA SHEKHAR	ANDPR4678M	M.E/M.Tech	03/06/2008	CSE	0			Assistant Professor		07/10/2021	Regular	Yes		No
57	T.SHILPA	AGKPT5248F	M.E/M.Tech	10/01/2012	CSE	1			Assistant Professor		17/06/2019	Regular	Yes		No
58	P.V.NARESH	ATFPP5082K	M.E/M.Tech	06/03/2017	CSE	5			Assistant Professor		03/07/2019	Regular	Yes		No
59	TUMMAL SRINIDHI	ANJPT7914N	M.E/M.Tech	11/08/2015	CSE	1			Assistant Professor		02/01/2020	Regular	Yes		No
60	A. JAYASREE	AWOPA4261D	M.E/M.Tech	15/11/2016	CSE	2			Assistant Professor		18/02/2022	Regular	Yes		No
61	A. BICHAMMA	BJIPA0198R	M.E/M.Tech	20/01/2015	CSE	0			Assistant Professor		18/01/2017	Regular	Yes		No
62	SUNKARI SHEKAR	EWMPS4209F	M.E/M.Tech	03/06/2019	CSE	0			Assistant Professor		18/10/2019	Regular	Yes		No
63	V. SUNEETHA	AMYPV0563B	M.E/M.Tech	01/12/2010	CSE	11			Assistant Professor		02/07/2012	Regular	Yes		No
64	MAHENDAR JINUKALA	AOJPJ1434Q	M.E/M.Tech	02/09/2015	CSE	2			Assistant Professor		03/04/2015	Regular	Yes		No
65	BATTU RAMESH	BKCPB0728B	M.E/M.Tech	15/06/2016	CSE	0			Assistant Professor		06/01/2016	Regular	No	30/11/2024	No
66	BALA VEERAVATNAM	AIMPV3469Q	M.E/M.Tech	04/12/2012	CSE	0			Assistant Professor		23/09/2019	Regular	Yes		No
67	SHIVAGOUNI ARCHANA	HIDPS0324H	M.E/M.Tech	10/06/2015	CSE	0			Assistant Professor		07/03/2022	Regular	Yes		No
68	D.CHANDRASEKHAR REDDY	ANYPD3464E	M.E/M.Tech	04/09/2006	CSE	0			Assistant Professor		01/07/2015	Regular	Yes		No
69	ABDUL SALEEM L	ACQPL3746A	M.E/M.Tech	10/11/2010	CSE	0			Assistant Professor		11/06/2018	Regular	Yes		No
70	MUGGU NAGA SIVA GANGADHAR	BNOPM9366H	M.E/M.Tech	10/06/2016	CSE	0			Assistant Professor		26/03/2021	Regular	Yes		No
71	N. BHARATHI	AMZPN2940H	M.E/M.Tech	07/06/2011	CSE	0			Assistant Professor		06/02/2023	Regular	Yes		No
72	VAMSHI KRISHNA G	AXRPG5729L	M.E/M.Tech	01/10/2014	CSE	0			Assistant Professor		13/07/2023	Regular	Yes		No
73	SUNIL BOLLAM	AYVPB6617P	M.E/M.Tech	14/12/2011	CSE	1			Assistant Professor		20/07/2023	Regular	Yes		No

74	SHAILAJA LAXMI PALAKURTHI	BKHPS5848G	M.E/M.Tech	09/12/2014	CSE	0			Assistant Professor		06/06/2023	Regular	Yes		No
75	VENKATA RAMANAMMA THATHI REDDY	AQLPT1981A	M.E/M.Tech	08/12/2010	CSE	0			Assistant Professor		07/08/2023	Regular	Yes		No
76	RAJESH CHAKKA	AEUPC6453P	M.E/M.Tech	07/11/2012	CSE	0			Assistant Professor		05/05/2023	Regular	Yes		No
77	HIMAKIRAN P ANDREWS	AZTPP8265E	M.E/M.Tech	06/05/2008	CSE	0			Assistant Professor		01/04/2023	Regular	Yes		No
78	T JAGADEESH KUMAR	ARIPT4787G	M.E/M.Tech	25/11/2015	CSE	0			Assistant Professor		03/04/2015	Regular	No	18/05/2024	No
79	KATTA SANTHI PRIYA	BMGPK2331H	M.E/M.Tech	08/05/2012	CSE	0			Assistant Professor		11/06/2019	Regular	No	14/05/2024	No
80	KUNDURU NIROSHA	DECPK7897J	M.E/M.Tech	01/05/2013	CSE	0			Assistant Professor		22/07/2019	Regular	No	08/05/2024	No
81	M.VENU	ASRPM9064B	M.E/M.Tech	10/04/2012	CSE	0			Assistant Professor		01/07/2013	Regular	No	01/08/2023	No
82	DR.NARIKKALPATTI KUPPANA GOUNDER KUPPUCHAMY	BXPPK9305P	ME/M. Tech and PhD	05/06/2019	CSE	0			Associate Professor	05/06/2019	05/06/2019	Regular	No	10/10/2023	No
83	DR.M.JAYAPAL	ARWPM2290B	ME/M. Tech and PhD	17/11/2020	CSE	17	1		Associate Professor	08/12/2020	02/07/2012	Regular	No	08/08/2023	No
84	DR. LAIPHANGBAM MELINDA	BCPPM8371N	ME/M. Tech and PhD	01/05/2023	CSE	0			Associate Professor	08/01/2024	08/01/2024	Regular	Yes		No
85	SHAIK RIYAZ	AQWPR7416D	M.E/M.Tech	10/12/2012	CSE	0			Assistant Professor		01/07/2024	Regular	Yes		No
86	B. SREE SARANYA	AWLPB9837D	M.E/M.Tech	25/11/2014	CSE	0			Assistant Professor		11/07/2024	Regular	Yes		No
87	V. SHILPA	AIKPV0101B	M.E/M.Tech	03/02/2012	CSE	0			Assistant Professor		03/05/2024	Regular	Yes		No

5.1 Student-Faculty Ratio (SFR) (20) Total Marks 20.00

Institute Marks : 20

UG

No. of UG Programs in the Department 1

COMPUTER SCIENCE AND ENGINEERING						
Year of Study	**CAY**		**CAYm1**		**CAYm2**	
	(2024-25)		**(2023-24)**		**(2022-23)**	
	Sanction Intake	**Actual admitted through lateral entry students**	**Sanction Intake**	**Actual admitted through lateral entry students**	**Sanction Intake**	**Actual admitted through lateral entry students**
2nd Year	420	42	240	24	240	24
3rd Year	240	24	240	24	240	24
4th Year	240	24	240	24	240	24
Sub-Total	**900**	**90**	**720**	**72**	**720**	**72**
Total	**990**		**792**		**792**	

Grand Total	990	792	792

PG

No. of PG Programs in the Department 1

COMPUTER SCIENCE AND ENGINEERING			
Year of Study	**CAY(2024-25)**	**CAYm1(2023-24)**	**CAYm2 (2022-23)**
	Sanction Intake	**Sanction Intake**	**Sanction Intake**
1st Year	24	30	30
2nd Year	30	30	30
Total	**54**	**60**	**60**

Grand Total	54	60	60

SFR

No. of UG Programs in the Department 1

No. of PG Programs in the Department 1

Description	CAY(2024-25)	CAYm1 (2023-24)	CAYm2 (2022-23)
Total No. of Students in the Department(S)	1044 **Sum total of all (UG+PG) students**	852 **Sum total of all (UG+PG) students**	852 **Sum total of all (UG+PG) students**
No. of Faculty in the Department(F)	77 **F1**	77 **F2**	71 **F3**
Student Faculty Ratio(SFR)	13.56 **SFR1=S1/F1**	12.00 **SFR2=S2/F2**	11.06 **SFR3=S3/F3**
Average SFR	12.21 **SFR=(SFR1+SFR2+SFR3)/3**		
F=Total Number of Faculty Members in the Department (excluding first year faculty)			

Note: All the faculty whether regular or contractual (except Part-Time), will be considered. The contractual faculty (doing away with the terminology of visiting/adjunct faculty, whatsoever) who have taught for 2 consecutive semesters in the corresponding academic year on full time basis shall be considered for the purpose of calculation in the Faculty Student Ratio. However, following will be ensured in case of contractual faculty:
1. Shall have the AICTE prescribed qualifications and experience.

2. Shall be appointed on full time basis and worked for consecutive two semesters during the particular academic year under consideration.

3. Should have gone through an appropriate process of selection and the records of the same shall be made available to the visiting team during NBA visit

5.1.1. Provide the information about the regular and contractual faculty as per the format mentioned below:

	Total number of regular faculty in the department	Total number of contractual faculty in the department
CAY(2024-25)	77	0
CAYm1(2023-24)	77	0
CAYm2(2022-23)	71	0

Average SFR for three assessment years : 12.21

Assessment SFR : 20

5.2 Faculty Cadre Proportion (20) Total Marks 20.00

Institute Marks : 20.00

Year	Professors		Associate Professors		Assistant Professors	
	Required F1	**Available**	**Required F2**	**Available**	**Required F3**	**Available**
CAY(2024-25)	5.00	10.00	11.00	15.00	34.00	52.00
CAYm1(2023-24)	4.00	10.00	9.00	12.00	28.00	55.00
CAYm2(2022-23)	4.00	9.00	9.00	11.00	28.00	51.00
Average Numbers	4.33	9.67	9.67	12.67	30.00	52.67

Cadre Ratio Marks [(AF1 / RF1) + [(AF2 / RF2) * 0.6] + [(AF3 / RF3) * 0.4]] * 10 : 20.00

5.3 Faculty Qualification (20)

Total Marks 19.27

Institute Marks : 19.27

	X	**Y**	**F**	**FQ = 2 x [(10X + 4Y) / F)]**
2024-25(CAY)	25	52	52.00	17.62
2023-24(CAYm1)	22	55	42.00	20.95
2022-23(CAYm2)	20	51	42.00	19.24

Average Assessment : 19.27

5.4 Faculty Retention (10)

Total Marks 10.00

Institute Marks : 10.00

Description	**2023-24 (CAYm1)**	**2024-25 (CAY)**
No of Faculty Retained	68	61
Total No of Faculty	42	42
% of Faculty Retained	162	145

Average : 154.00

Assessment Marks : 10.00

5.5 Faculty competencies in correlation to Program Specific Criteria (10) Total Marks 10.00

Institute Marks : 10.00

FACULTY COMPETENCIES IN CORRELATION TO PROGRAM SPECIFIC CRITERIA

The competency of faculty members is measured based on their excellence in academic degrees, academic related training, certifications, achievements and research publications. Faculty members articulate their domain specific knowledge to groom the students to excel in academics and prepare them to participate in various events like Smart India Hackathons, Ideathon , Internships, Paper presentation, Project Presentation, etc.

Faculty members show consistent progress in their domain by publishing their research works in renowned Journals and actively contributing their services to the industries as consultancy works.

Faculty competency is measured based on their excellence in following the key areas / program specific areas.

- Artificial Intelligence and Machine learning
- Cloud Computing/Distributed Computing
- Data Science
- Internet of Things
- Networks and Security
- Programming for problem solving
- Software Engineering

Summary of Faculty Competencies

Table 5.5.1 Summary of faculty member activities

S. No	SUMMARY OF FACULTY MEMBER ACTIVITIES	COUNT
1	Research paper publications	115
2	Conference Publication	68
3	Patents Published	62
4	Books / Book Chapters Published	46
5	Ph.D. guiding	11
6	Ph.D. awarded	8
7	Pursuing PhD	26
8	Awards Received	13
9	Scopus citations	779
10	Google Scholar citations	2139

Table 5.5.2 Summary of Faculty competencies incorrelation to Program Specific Criteria

S. No	Program Specific Criteria	Name of the Faculty	Competency Attained Through

1	Artificial Intelligence And Machine Learning	Dr D. Sujatha	● Published Papers In National And International Journals. ● Papers Published In National And International Conferences. ● Published Research Papers In National/International Conferences In The Area Of Artificial Intelligence And Machine Learning. ● Patent Published In “A Deep Learning Based Adaptive Image Processing System For Autonomous Object Recognition And Classification. ● Patent Published In “Automated Image Feature Extraction And Classification System Using Reinforcement Learning In Medical Imaging”. ● Academic Leadership Award From Kasetsart University, Chatuchak, Bangkok, Thailand. ● Excellence Award In Curriculum Development-Dev Elet Technologies LLP. ● Best Women Faculty Award From IASTE-International Association For Science And Technology. ● Guiding UG/PG And Ph.D. Students In The Area Of Artificial Intelligence And Machine Learning.

		Dr P. Dileep	● Course Era Certification In “AI For Everyone” By Stanford University. ● Course Era Certification In “Machine Learning For All ” By University Of London. ● Course Era Certification In “Neural Networks And Deep Learning ” By Stanford University. ● Guiding UG/PG And Ph.D. Students In The Area Of Artificial Intelligence And Machine Learning. ● Published Research Papers In SCI/Scopus Journals In The Area Of Machine Learning. ● Published Research Papers In National/International Conferences In The Area Of Artificial Intelligence And Machine Learning. ● Published A Patent On Heart Disease Prediction Device. ● Published A Patent On Machine Learning Based Bioenergy Systems. ● Bestteacher-Nov-2024bydevelettechnologiesllp. ● Best Innovative Teacher-April 2024 By Knowledge Research Academy.
		Dr. S Shanthi	● Published Research Papers In SCI/Scopus And UGC Journals In The Area Of Machine Learning. ● Guiding UG/PG And PH. D Scholars In The Area Of Artificial Intelligence And Machine Learning. ● Attended AICTE ATAL FDP On “Next Gen Solutions For Medical Challenges Powered By AI Based Intelligent Systems. ● Published A Patent On An Automated System For Assisting Person Of Medical Needs. ● Published Patent On Automated Food Freshness Detection Using Feature Deep Learning. ● Published A Patent On “An Artificial Intelligence & Machine Learning Based Internet Of Things Enabled Virtual Shop Interface Having Robotic Means”. ● Iastebestwomenfaculty-2022byinternationalassociationforscienceand Technical Education. ● Attended One Week FDP On “Machine Learning In Bigdata Analytics, Principles, Techniques And Challenges. .
		Dr. N. Sateesh Kumar	● Published Research Papers In SCI/Scopus And UGC Journals In The Area Of Machine Learning. ● Published A Patent On Hybrid Machine Learning System For Noise Reduction And Super Resolution In Biomedical Imaging. ● Attended FDP Programs In The Area Of Artificial Intelligence And Machine Learning. ● Guiding UG/PG And PH. D Students In The Area Of Artificial Intelligence And Machine Learning.

		Dr. G. Sharada	● Guiding UG/PG And Ph.D. Students In The Area Of Machine Learning ● Published Research Papers In SCI/Scopus Journals In The Area Of Machine Learning. ● Published Research Papers In National/International Conferences In The Area Of Artificial Intelligence And Machine Learning. ● Attended AICTE ATAL FDP On “Next Gen Solutions For Medical Challenges Powered By AI Based Intelligent Systems”.
		Dr. K. Suresh	● Guiding UG/PG Students In The Area Of Machine Learning ● Published Research Papers In SCI/Scopus Journals In The Area Of Machine Learning. ● Published Research Papers In National/International Conferences In The Area Of Artificial Intelligence And Machine Learning. ● Coordinator For AICTE ATAL FDP On “Next Gen Solutions For Medical Challenges Powered By AI Based Intelligent Systems”. ● Published A Research Paper On “Sentiment Analysis Using Improved Long Short-Term Memory”. ● Published A Research Paper On “Detection Of Vehicle Parking Using Mask Recon”. ● Published A Research Paper On “An Improved DNA Sequencing Using Advanced Machine Learning And Deep Learning Techniques”.
		Dr S Rahmat Basha	● Guiding UG/PG Students In The Area Of Machine Learning ● Published Research Papers In SCI/Scopus/UGC Journals In The Area Of Machine Learning. ● Published Research Papers In National/International Conferences In The Area Of Artificial Intelligence And Machine Learning. ● Attended AICTE ATAL FDP On “Next Gen Solutions For Medical Challenges Powered By AI Based Intelligent Systems”. ● Attended CSIR FDP On” Societal Application Of Artificial Intelligence And Machine Learning In Mechanical And Civil Engineering” ● Patent Published On Artificial Intelligence Based Automated Material Management System. ● Patent Published On Machine Learning Based Image Processing System To Analyze Human Skin Quality ● Patent Published On Borewell Rescue System Using Supervised Learning Techniques ● Best Teacher-Nov-2024 By Dev Elet Technologies LLP. ● Best Innovative Teacher-April2024 By Knowledge Research Academy.

		Dr A. Mummorthy	● Guiding UG/PG In The Area Of Machine Learning ● Published Research Papers In SCI/Scopus/UGC Journals In The Area Of Machine Learning. ● Published Research Papers In National/International Conferences In The Area Of Artificial Intelligence And Machine Learning. ● Published A Patent On Virtual Assistant For Aged People Using Context Based Web Of Things. ● Published Patent On Bio-Micro-Electro- Mechanical System (Bio-Mems) For Maternal Mortality Reduction. ● Award Received From Combined Society From Educational Research And Development Dehradun. ● Venusinternationalfacultyawards-VIFA2018India. ● Excellenceteachinginhighereducationaward-2018awardedbyinternational Association For Science And Technical Education - India.
		Dr M V Kamal	● Guiding UG/PG And Ph.D. Students In The Area Of Artificial Intelligence And Machine Learning ● Published Research Papers In SCI/Scopus/UGC Journals In The Area Of Machine Learning. ● Published Research Papers In National/International Conferences In The Area Of Artificial Intelligence And Machine Learning. ● Emerging Educator Of Theyear2024 By Council For Skills &Competencies (CSC)In Association With Wadhwani, MSME And Dev Elet Technologies.
		Mr. Sunil Bollam	● Completed NPTEL Certification On “Introduction To Machine Learning. ● Completed NPTEL AICTE FDP On “Introduction To Machine Learning”. ● E-Content Developed For Machine Learning Course. ● Attended AICTE ATAL FDP On “Next Gen Solutions For Medical Challenges Powered By AI Based Intelligent Systems”. ● Attended Intel Unnati Work Shop On “Machine Learning And Deep Learning” ● Pursuing Ph.D. In The Domain Of Machine Learning. ● Guiding UG/PG Students In The Area Of Artificial Intelligence And Machine Learning

		MS K. Chandusha	● Pursuing Ph.D. In The Domain Of Machine Learning And Deep Learning. ● Guiding UG/PG Students In The Area Of Artificial Intelligence And Machine Learning. ● Completed NPTEL Certification On “Introduction To Machine Learning. ● Completed NPTEL AICTE FDP On “Introduction To Machine Learning”. ● E-Content Developed For Machine Learning Course. ● Attended AICTE ATAL FDP On “Next Gen Solutions For Medical Challenges Powered By AI Based Intelligent Systems”.
		MS R. Sujatha	● Guiding UG/PG Students In The Area Of Artificial Intelligence And Machine Learning. ● E-Content Developed For Machine Learning Course. ● Attended One Week FDP On” Machine Learning In Big Data Analytics, Principles Techniques And Challenges. ● Attended One-Week International FDP On “Emerging Tools & Techniques In Machine Learning And Data Science”. ● Attended FDP On “Generative AI”.
		Mr. G Vamshi Krishna	● Guiding UG/PG Students In The Area Of Machine Learning. ● Attended Intel Unnati Work Shop On “Machine Learning And Deep Learning”
		Mr. G. Manoj Kumar	● Guiding UG/PG Students In The Area Of Machine Learning. ● Attended Workshop On “Data Science For All”. ● Attended One Week FDP On “Machine Learning In Bigdata Analytics, Principles, Techniques And Challenges.
		Mr. P. Dastagiri Reddy	● Guiding UG/PG Students In The Area Of Machine Learning. ● Attended One Week FDP On “Machine Learning In Bigdata Analytics, Principles, Techniques And Challenges. ● Attended AICTE ATAL FDP On “Next Gen Solutions For Medical Challenges Powered By AI Based Intelligent Systems”. ● Attended FDP On “Learning For NLP And Computer Vision.
		Dr G. Ravi	● Guiding UG/PG Students In The Area Of Machine Learning. ● Attended FDP On” Machine Learning In Bigdata Analytics, Principles, Techniques And Challenges”. ● Attended A Two Day Workshop On” Advances In Artificial Intelligence”. ● Attended One Week National Level Work Shop On “Societal Applications On Machine Learning”.

2	Cloud Computing /Distributed Computing	Mr. B Sunil	● Guiding UG/PG Students In The Area Of Cloud Computing. ● NPTEL Online Certification On “Cloud Computing” ● NPTEL-AICTE FDP On “Cloud Computing”. ● E-Content Prepared For Cloud Computing Course.
		Mr. P. Dastagiri Reddy	● Guiding UG/PG Students In The Area Of Cloud Computing And Distributed Computing. ● E-Content Prepared For Distributed Systems Course. ● Attended FDP On “Emerging Tools And Techniques In Cloud Computing.
		Mr M. SANDEEP	● Participated Training Program On Cloud Computing Conducted By Talent Next. ● Guiding UG/PG Students In The Area Of Cloud Computing. ● E-Content Prepared For The Course Cloud Computing.
3	Data Science	Mr. B. Sunil Kumar	● Guiding UG/PG Students In The Area Of Data Science And Machine Learning. ● NPTEL Online Certification On “Data Science For Engineers” ● NPTEL-AICTE FDP On “Data Science For Engineers”. ● NPTEL Online Certification On “Python For Data Science” ● E-Content Prepared For Data Science Course.
		MS T. Padmaja	● Completed NPTEL Course In Machine Learning. ● E-Content Prepared For Data Science Course ● Guiding UG/PG Students In The Area Of Data Science.
4	Internet Of Things	Mr. M Vazralu	● Guiding UG/PG Students In The Area Of Internet Of Things. ● Published Research Papers In SCI/Scopus/UGC Journals In The Area Of Internet Of Things.
		Dr. A. Mummoorthy	● Guiding UG/PG Students In The Area Of Internet Of Things. ● E-Content Prepared For Internet Of Things Course. ● Published Research Papers In SCI/Scopus/UGC Journals In The Area Of Internet Of Things.
		Dr M V Kamal	● Published Research Papers In SCI/Scopus/UGC Journals In The Area Of Internet Of Things ● Published Research Papers In National/International Conferences In The Area Of Internet Of Things ● Emerging Educator Of Theyear2024bycouncil For Skills & Competencies (CSC)In Association With Wadhwani, MSME And Dev Elet Technologies. ● Guiding UG/PG And Ph.D. Students In The Area Of Internet Of Things

5	Network Security	Dr A. MUMMOORTHY	● Published Research Papers In SCI/Scopus/UGC Journals In The Area Of Network Security. ● Patent Published In The Area Of Block Chain Technology. ● Guiding UG/PG And Ph.D. Students In The Area Of Networks. ● Completed Phd In The Area Of Network Security. ● E-Content Prepared For The Course Network Security.
		Dr N. Sateesh Kumar	● Published Research Papers In SCI/Scopus/UGC Journals In The Area Of Networks. ● Patent Published In The Area Of Networks. ● Guiding UG/PG And Ph.D. Students In The Area Of Networks. ● Completed Phd In The Area Of Ad Hoc Networks. ● E-Content Prepared For The Course Computer Networks.
		Dr G. RAVI	● Published Research Papers In SCI/Scopus/UGC Journals In The Area Of Wireless Networks. ● Completed Phd In The Area Of Wireless Sensor Networks. ● Guiding UG/PG Students In The Area Of Networks And Network Security. ● E-Content Prepared For The Course Network Security.

6	Programming For Problem Solving.	Ms. M. Nirmala	● One Of The Top 2% Performers In NPTEL Certification On “Problem Solving Through Programming In C” ● Course Era Certification In “C For Everyone: Programming Fundamentals” By University Of California, Santa Cruz. ● Course Era Certification In “Programming For Everybody (Python)” By University Of Michigan. ● Completed NPTEL-AICTE FDP In “The Joy Of Computing Using Python”. ● Completed NPTEL Certification In “The Joy Of Computing Using Python”. ● Guiding UG/PG Students In The Emerging Areas Of Computer Science And Engineering. ● Developed E-Content For Problem Solving Through Programming In Python.
		Ms. R. Sujatha	● Completed NPTEL-AICTE FDP In “The Joy Of Computing Using Python”. ● Completed NPTEL Certification In “The Joy Of Computing Using Python”. ● Guiding UG/PG Students In The Emerging Areas Of Computer Science And Engineering.
		MS B. Pavani	● Completed NPTEL Certification On “Problem Solving Through Programming In C” ● Developed E-Content For Programming For Problem Solving Through Programming In C.
		Dr P. Dileep	● Course Era Certification In “C For Everyone: Programming Fundamentals” By University Of California, Santa Cruz. ● Course Era Certification In “Programming For Everybody (Python)” By University Of Michigan. ● Developed E-Content For Programming For Problem Solving Through Programming In Python.
		Dr S. Rahmat Basha	● Course Era Certification In “Programming For Everybody (Python)” By University Of Michigan. ● Developed E-Content For Programming For Problem Solving Through Programming In Python.
7	Software Engineering	Ms K. SWETHA	● Mtech Specialization In Software Engineering. ● Developed E-Content For The Course Software Engineering.
		Ms P. SWETHA	● Mtech Specialization In Software Engineering. ● Developed E-Content For The Course Software Engineering.
		Mr R CHANDRA SHEKHAR	● Mtech Specialization In Software Engineering. ● Developed E-Content For The Course Software Engineering.

- **Faculty have developed courses on recent trends to enable students to be updated on par with industry needs and the details are shown in table 5.5.3**

Table5.5.3 Details of Courses Developed

S. No.	Name of the Faculty	Course Name	No. of Students Benefited
1	Dr S. SHANTHI Dr. D. SUJATHA	Artificial Intelligence	120
2	Dr. G SHARADA Dr. M VIJAYA KAMAL	Machine Learning	120
3	Dr I. NAGARAJU Dr K. SURESH	Scripting Languages	100
4	Dr A MUMMOORTHY	Block chain Technology	120
5	Ms K CHANDUSHA	Deep Learning	100
6	Ms SAI ESHWARI	Full Stack Development	120
7	Dr RAHAMAT BASHA	Big data Analytics	110
8	Mr SUNIL BOLLAM	Data Science	120
9	Mr CH RAJESH	Data structures using python	120

- Faculty developed E-content for the benefit of students. The details are given in table 5.5.4

Table5.5.4 Details of E-content developed by Faculty

S. No.	Faculty Name	Course Name & Code	MRCET PORTAL
1	Manoj Kumar	Database Management System(R22A0504)	https://mrcet.com/downloads/digital_notes/CSE/II%20Year/DATABASE%20MANAGEMENT%20SYSTEMS%20(%20R22A0504%20).pdf (https://mrcet.com/downloads/digital_notes/CSE/II%20Year/DATABASE%20MANAGEMENT%20SYSTEMS%20(%20R22A0504%20).pdf)
2	Dr N. Sateesh Kumar	Data Structures (R22A0503)	https://mrcet.com/downloads/digital_notes/CSE/II%20Year/DATA%20STRUCTURES%20(%20R220503%20).pdf (https://mrcet.com/downloads/digital_notes/CSE/II%20Year/DATA%20STRUCTURES%20(%20R220503%20).pdf)

3	Mrs. P. Honey Diana	Design and Analysis of Algorithms (R22A0506)	https://mrcet.com/downloads/digital_notes/CSE/II%20Year/DESIGN%20&%20ANALYSIS%20OF%20ALGORITHMS%20%20(%20R20A0506%20).pdf (https://mrcet.com/downloads/digital_notes/CSE/II%20Year/DESIGN%20&%20ANALYSIS%20OF%20ALGORITHMS%20%20(%20R20A0506%20).pdf)
4	D Radha	Software Engineering(R22A0505)	https://mrcet.com/downloads/digital_notes/CSE/II%20Year/SOFTWARE%20ENGINEERING%20(%20R22A0505%20).pdf (https://mrcet.com/downloads/digital_notes/CSE/II%20Year/SOFTWARE%20ENGINEERING%20(%20R22A0505%20).pdf)
5	K. Chandusha	Compiler Design(R22A0511)	https://mrcet.com/downloads/digital_notes/CSE/III%20Year/COMPILER%20DESIGN(R22A0511).pdf (https://mrcet.com/downloads/digital_notes/CSE/III%20Year/COMPILER%20DESIGN(R22A0511).pdf)
6	Dr N. Sateesh Kumar	Data Structures Lab(R22A0583)	https://mrcet.com/pdf/Lab%20Manuals/CSE/DS%20LAB[R22A0583].pdf
7	K. Chandusha	Compiler Design Lab (R22A0588)	https://mrcet.com/pdf/Lab%20Manuals/CSE/CD%20LAB%20MANUAL[R22A0588].pdf (https://mrcet.com/pdf/Lab%20Manuals/CSE/CD%20LAB%20MANUAL%5bR22A0588%5d.pdf)
8	D. Sai Eswari	Full Stack Development Lab (R22A0589)	https://mrcet.com/pdf/Lab%20Manuals/CSE/FSD%20LAB%20MANUAL[R22A0589].pdf (https://mrcet.com/pdf/Lab%20Manuals/CSE/FSD%20LAB%20MANUAL%5bR22A0589%5d.pdf)

Table 5.5.5 Faculty Specialization

S. No	Name	Qualification	Specialization
1	DR.S.SHANTHI	M.E, PhD	Data Mining
2	DR. DANDU SUJATHA	M. Tech , PhD	Data Mining

3	DR.G.SHARADA	M. Tech, PhD	Artificial Intelligence
4	DR. MADADI VIJAYAKAMAL	M. Tech, PhD	Machine Learning
5	Dr. IDIMADAKALA NAGARAJU	M. Tech, PhD	Cloud Security
6	DR. K. SURESH	M. Tech, PhD	Data Mining
7	DR. A. MUMMOORTHY	M. Tech, PhD	Network Security
8	DR. KADAINTI SRIKANTH	M. Tech, PhD	Data Mining
9	DR. LAKSHMI NAGA JAYAPRADA G	M. Tech, PhD	Bio-Informatics
10	DR. P. DILEEP	M. Tech, PhD	Machine Learning
11	DR. S. RAHAMAT BASHA	M. Tech, PhD	Data Mining
12	DR. M. SAMBASIVUDU	M. Tech, PhD	Data Mining
13	DR. THOTA SIVA RATNA SAI	M. Tech, PhD	Artificial intelligence
14	DR. AVH SAI PRASAD	M. Tech, PhD	Cloud Security
15	DR. M. GAYATRI	M. Tech, PhD	Data Mining
16	DR. P. HARIKRISHNA	M. Tech, PhD	Cloud Security
17	DR. V.L. PADMALATHA	M. Tech, PhD	Cloud Data Management
18	Dr. SATHEESH KUMAR NAGINENI	M. Tech, PhD	Ad hoc Networks
19	Dr. G. NANDA KISHORE KUMAR	M. Tech, PhD	Data Mining
20	DR. B. VENKATA RAMUDU	M. Tech, PhD	Information Security
21	Dr. M. NARENDRA	M. Tech, PhD	Information Security
22	DR. RAJESHWAR RAO KODIPAKA	M. Tech, PhD	Data Mining
23	DR. P VINAY BHUSHAN	M. Tech, PhD	Data Mining
24	DR. LAKSHMAN AAREPU	M. Tech, PhD	CSE
25	DR. V. SANGEETHA	M. Tech, PhD	Data Mining
26	DR. B. PRIYANKA	M. Tech, PhD	Data Mining
27	DR.S. VISHWANATH REDDY	M. Tech, PhD	Data Mining
28	DR.N. KGOUNDER KUPPUCHAMY	M. Tech, PhD	Data Mining
29	DR.M. JAYAPAL	M. Tech, PhD	Machine Learning
30	DR. LAIPHANGBAM MELINDA	M. Tech, PhD	CSE
31	Dr.G. RAVI	M. Tech, PhD	Wireless Sensor Networks
32	D. RADHA	M.Tech	CSE
33	M. SANDEEP	M.Tech	CSE&IS
34	MANOJ KUMAR GOTTIMUKKULA	M.Tech	CST
35	C S N DURGHA	M.Tech	CSE
36	P. HONEY DIANA	M.Tech	CSE
37	N. SIVA KUMAR	M.Tech	CSE
38	BOKKA PAVANI	M.Tech	CSE
39	P. DASTAGIRI REDDY	M.Tech	CSE
40	SANDEEP AGARWALLA	M.Tech	CSE
41	KANDA CHANDUSHA	M.Tech	CSE
42	AGNISHA MANDAVA	M.Tech	CSE
43	KOLLURI RAVINDER	M.Tech	CSE
44	SAI ESWARI DUTTA	M.Tech	CSE
45	TANGIRALA PADMAJA	M.Tech	CSE
46	SRINIVAS PALAJEESAM	M.Tech	CSE

47	DHANDYALA AKHILA	M.Tech	CSE
48	GANESH BEEMANAPALLI	M.Tech	CSE
49	B.SWAPNA LATHA	M.Tech	CSE
50	DOLU VENU GOPAL	M.Tech	CSE
51	R. SUJATHA	M.Tech	CSE
52	B. ARUNA KUMARI	M.Tech	CSE
53	P.SWETHA	M.Tech	Software Engineering
54	M. VAZRALU	M.Tech	CSE
55	UMAMAHESWARARAO INKOLLU	M.Tech	CSE
56	K. SWETHA	M.Tech	Software Engineering
57	P. HARI KRISHNA	M.Tech	CSE
58	PRAMEELA.N	M.Tech	software engineering
59	R CHANDRA SHEKHAR	M.Tech	Software engineering
60	T.SHILPA	M.Tech	CSE
61	P.V.NARESH	M.Tech	CSE
62	TUMMAL SRINIDHI	M.Tech	CSE
63	A. JAYASREE	M.Tech	Information Security
64	A. BICHAMMA	M.Tech	CSE
65	SUNKARI SHEKAR	M.Tech	CSE
66	V. SUNEETHA	M.Tech	CSE
67	MAHENDAR JINUKALA	M.Tech	CSE
68	BATTU RAMESH	M.Tech	CSE
69	BALA VEERAVATNAM	M.Tech	CSE
70	SHIVAGOUNI ARCHANA	M.Tech	CSE
71	D.CHANDRASEKHAR REDDY	M.Tech	CSE
72	ABDUL SALEEM L	M.Tech	CSE
73	MUGGU NAGA SIVA GANGADHAR	M.Tech	Deep Learning
74	N. BHARATHI	M.Tech	CSE
75	VAMSHI KRISHNA G	M.Tech	CSE
76	SUNIL BOLLAM	M.Tech	CSE
77	SHAILAJA LAXMI PALAKURTHI	M.Tech	CSE
78	VENKATA RAMANAMMA THATHI REDDY	M.Tech	CSE
79	RAJESH CHAKKA	M.Tech	Information Technology
80	HIMAKIRAN P ANDREWS	M.Tech	CSE
81	SHAIK RIYAZ	M.Tech	CN&IS
82	B. SREE SARANYA	M.Tech	CSE
83	V. SHILPA	M.Tech	CSE
84	T JAGADEESH KUMAR	M.Tech	CSE
85	KATTA SANTHI PRIYA	M.Tech	CSE
86	KUNDURU NIROSHA	M.Tech	CSE
87	M.VENU	M.Tech	CSE

Table 5.5.6 FACULTY COMPLETED NPTEL COURSES

S.NO	NAME OF THE FACULTY	NAME OF THE COURSE	ORGANIZATION INSTITUTION
1	VAZRALU MUNNANGI	1.Cloud Computing	IIT Madras
2	K CHANDUSHA	1.Introduction to Machine Learning	IIT Madras
		2.Introduction to Research	IIT Madras
		3.Introduction to Automata, Languages and Computation	IIT Kharagpur
3	KUSUPATI NAGA KOUSHIL REDDY	1.Computer Networks and Internet Protocol	IIT Kharagpur
		2.Introduction to Internet of Things	IIT Kharagpur
		3.Cyber Security and Privacy	IIT Madras
4	MALLEPOGU AISHWARYA	1.Introduction to Internet of Things	IIT Kharagpur
		2. Cloud Computing	IIT Kharagpur
5	SUNIL BOLLAM	1.Data Science for Engineers	IIT Madras
		2.Cloud Computing	IIT Kharagpur
		3. Introduction to Machine Learning	IIT Kharagpur
		4.Python for Data Science	IIT Madras
		5. Introduction to Internet of Things	IIT Kharagpur
6	D.VIGNESWAR RAO	1.Programming, Data Structures and Algorithms Using Python	IIT Madras
		2.Introduction to Machine Learning	IIT Madras
		3.Python for Data Science	IIT Madras
7	M. NIRMALA	1.The Joy of computing using Python	IIT Madras
		2. Problem solving through Programming in C	IIT Kharagpur
8	R. SUJATHA	1.The Joy of computing using Python	IIT Madras
9	M. GAYATHRI	1.The Joy of computing using Python	IIT Madras

GUEST LECTURERS DELIVERED

Table 5.5.7 GUEST LECTURES DELIVERED

SNO	NAME OF THE FACULTY	TOPIC ON GUEST LECTURERS	COLLEGE NAME & CITY	DATE OF GUEST LECTURERS
1	Dr. N. Satheesh Kumar	Elements of Wireless Networks	SVS Group of Institutions, Hanamkonda	28/01/2023
2	Dr. N. Satheesh Kumar	Essentiality of Python coding for Mechanical Engineers	Adama Science and Technology University, Adama	25/03/2024
3	Dr Sujatha Dandu	Computational Tools for Data Visualization and Analysis	Malla Reddy University, Hyderabad	22/01/2025
4	Dr Sujatha Dandu	Research Tools	Malla Reddy University, Hyderabad	23/01/2025
5	Dr Sujatha Dandu	Innvotions in Machine Learning Pedagogy-FDP	Avanthi Group of Colleges, Vizag	28/12/2023

6	Dr Sujatha Dandu	Artificial Intelligence	Lord's Institute of Engineering and Technology, Hyderabad	23/11/2023
7	Dr Sujatha Dandu	Big Data Analytics	Lord's Institute of Engineering and Technology, Hyderabad	26/07/2024
8	Dr. S. Rahamat Basha	Web Application Development and Software Testing	Rayalaseema University, Kurnool, Andhra Pradesh	16/12/2022
9	Dr. S. Rahamat Basha	Big Data and Analytics: Recent Trends, Tools and Technologies	Sri Venkateshwara College of Engineering, Tirupati.	09/09/2024
10	Dr M V Kamal	Data Science with R Programming	Avanthis Scientific Technologies & Research Academy	05/01/2023
11	Dr.S.Shanthi			

BOS Member

Table 5.5.7 BoS Members

SNO	NAME OF THE FACULTY	COLLEGE NAME & CITY	DATE
1	Dr.G.Sharada	St.Francis College for Women, Hyderabad	March 1st 2024
2	Dr.G.Sharada	MRU, Hyderabad	November 30th 2024
3	Dr Sujatha Dandu	MRECW	November 20, 2024
4	Dr Sujatha Dandu	CMREC	October 15, 2022
5	Dr M V Kamal	MRECW, Hyderabad	June 20, 2024

5.6 Innovations by the Faculty in Teaching and Learning (10) Total Marks 10.00

Institute Marks : 10.00

Innovations by the Faculty in Teaching and Learning

Innovative tools used by the faculty in teaching and learning process are shown in Figure 5.6.1.

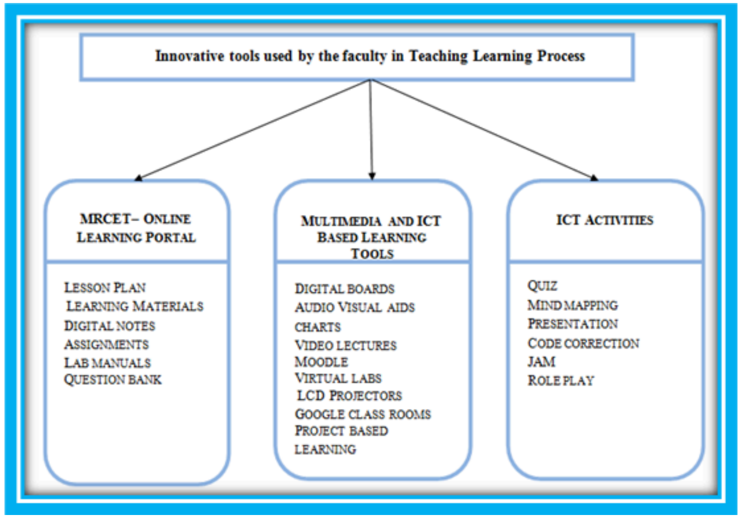


Figure5.6.1 Innovative Tools used in Teaching Learning Process

1.MRCET Portal:

Provision of **MRCETE-learning Portal (mrcet.ac.in**)provides an online platform for both faculty members and students, where faculty can display learning materials, digital notes, laboratory materials. The details are given in Table 5.6.1.

The MRCET web portal available 24/7 where essential information related to academics would be available under one umbrella. It is one of the innovative ways to draw student interest towards learning.

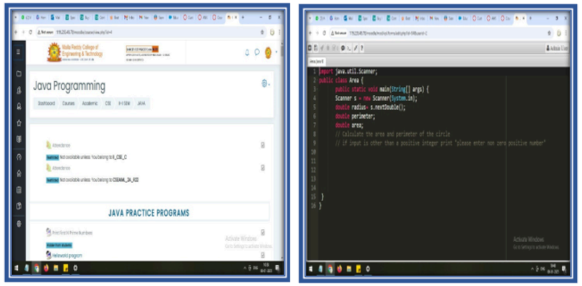
Table5.6.1 Faculty competencies towards Course Content Preparation

S. No.	Faculty Name	Course Name & Code	MRCET PORTAL
1	Mr. G. Manoj Kumar	Database Management System(R22A0504)	https://mrcet.com/downloads/digital_notes/CSE/II%20Year/DATABASE%20MANAGEMENT%20SYSTEMS%20(%20R22A0504%20).pdf (https://mrcet.com/downloads/digital_notes/CSE/II%20Year/DATABASE%20MANAGEMENT%20SYSTEMS%20(%20R22A0504%20).pdf)
2	Dr N. Sateesh Kumar	Data Structures (R22A0503)	https://mrcet.com/downloads/digital_notes/CSE/II%20Year/DATA%20STRUCTURES%20(%20R220503%20).pdf (https://mrcet.com/downloads/digital_notes/CSE/II%20Year/DATA%20STRUCTURES%20(%20R220503%20).pdf)

3	Mrs. P. Honey Diana	Design and Analysis of Algorithms (R22A0506)	https://mrcet.com/downloads/digital_notes/CSE/II%20Year/DESIGN%20&%20ANALYSIS%20OF%20ALGORITHMS%20%20(%20R20A0506%20).pdf (https://mrcet.com/downloads/digital_notes/CSE/II%20Year/DESIGN%20&%20ANALYSIS%20OF%20ALGORITHMS%20%20(%20R20A0506%20).pdf)
4	Mrs. D. Radha	Software Engineering(R22A0505)	https://mrcet.com/downloads/digital_notes/CSE/II%20Year/SOFTWARE%20ENGINEERING%20(%20R22A0505%20).pdf (https://mrcet.com/downloads/digital_notes/CSE/II%20Year/SOFTWARE%20ENGINEERING%20(%20R22A0505%20).pdf)
5	Mrs. K. Chandusha	Compiler Design(R22A0511)	https://mrcet.com/downloads/digital_notes/CSE/III%20Year/COMPILER%20DESIGN(R22A0511).pdf (https://mrcet.com/downloads/digital_notes/CSE/III%20Year/COMPILER%20DESIGN(R22A0511).pdf)
6	Mr. G. Manoj Kumar	Database Management System Lab (R22A0584)	https://mrcet.com/pdf/Lab%20Manuals/CSE/DBMS%20LAB[R22A0584].pdf (https://mrcet.com/pdf/Lab%20Manuals/CSE/DBMS%20LAB%5bR22A0584%5d.pdf)
7	Dr N. Sateesh Kumar	DataStructures Lab(R22A0583)	https://mrcet.com/pdf/Lab%20Manuals/CSE/DS%20LAB[R22A0583].pdf
8	Mrs. K. Chandusha	Compiler Design Lab (R22A0588)	https://mrcet.com/pdf/Lab%20Manuals/CSE/CD%20LAB%20MANUAL[R22A0588].pdf (https://mrcet.com/pdf/Lab%20Manuals/CSE/CD%20LAB%20MANUAL%5bR22A0588%5d.pdf)
9	Ms. D. Sai Eswari	Full Stack Development Lab (R22A0589)	https://mrcet.com/pdf/Lab%20Manuals/CSE/FSD%20LAB%20MANUAL[R22A0589].pdf (https://mrcet.com/pdf/Lab%20Manuals/CSE/FSD%20LAB%20MANUAL%5bR22A0589%5d.pdf)

2. MOODLE

Moodle is a free, open-source Learning Management System (LMS) that can be used for a variety of purposes, including: Creating and managing eLearning L&D professionals can use Moodle to create, distribute, manage, and track eLearning. Moodle offers features for collaborative learning, such as web conferencing, forums, assignments, peer review, and self reflection, mobile learning .The Moodle app allows users to access content and submit activities and assignments on the go or offline.



```
import java.util.Scanner;
public class Area {
        public static void main(String[] args) {
        Scanner s = new Scanner(System.in);
        double radius= s.nextDouble();
        double perimeter;
        double area;
        // Calculate the area and perimeter of the circle
        // if input is other than a positive integer print "please enter non zero positive number"




 }
}
```

Figure5.6.2 (a) MOODLE

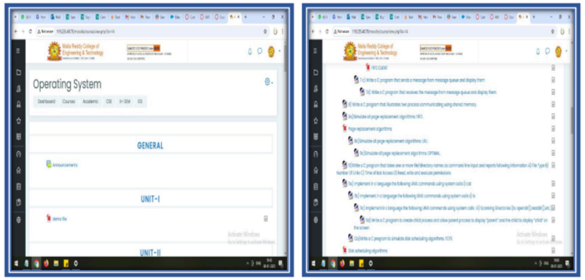


Figure5.6.2 (b) MOODLE

3. VIRTUAL LABS:

Innovated Virtual Labs allow students to access virtual laboratories at any time, making them indispensable for distance learning. Students can access laboratory experiments online without the need to be physically present in a lab, which means that they can learn the experimental process from anywhere. Accessing virtual labs is easy, requiring only a device with internet connectivity; this makes them accessible to students in all educational fields.

Most of the labs are simulation based that help students in understanding problem solving mechanism clearly and helps them to find new ways to solve a problem.

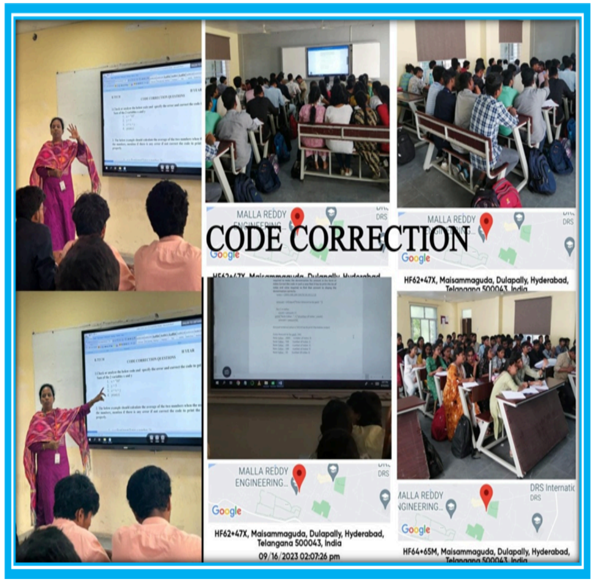
CSE II A
Hyderabad, Telangana, India
HF63+MV3, Maisammaguda, Dulapally, Hyderabad, Telangana 500043, India
GPS Map Camera

Figure5.6.3 VIRTUAL LABS

4. **CODE CORRECTION:**

Code correction is an activity where in the students are given code snippets with errors(syntatic, semanticor runtime). During the activity students identify the error and debugthem to retrieve specified output. Each student takes equal participation in the class activity. The activity is used to assess the student’s understanding of the subject. It helps in assessing students to what extent they can identify bugs asbugs can make code yield unexpected and wrong results.

https://mrcet.com/pdf/CSE_Events/Innovative%20Classroom%20Teaching.pdf (https://mrcet.com/pdf/CSE_Events/Innovative%20Classroom%20Teaching.pdf)


CODE CORRECTION
MALLA REDDY ENGINEERING...
Google
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09/16/2023 02:07:26 pm
HF64+65M, Maisammaguda, Dulapally, Hyderabad, Telangana 500043, India

Figure5.6.4 CODE CORRECTION

5. PRESENTATION:

A team of 4-5 students are invited to assemble after being provided concepts. On the day of the exercise, an idea is allocated to each team, and they must develop a PPT and present it in class. Presentations provide possibilities for group skill and knowledge development and are a useful tool for peer learning. Prior to class, topics are briefly discussed. 4-5 students make up each team.

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(https://mrcet.com/pdf/CSE_Events/Innovative%20Classroom%20Teaching.pdf)

Hyderabad, Telangana, India
HF63+MVJ, Maisammaguda, Dulapally, Hyderabad, Telangana 500043, India
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Long 78.454961°
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Figure5.6.5 PRESENTATION

6. MIND MAPPING:

Students are required to form team of four to five people using topics they are given. Each team is given a concept for their mind map and presentation in class. Mind map is used to visually organize formation and shows relationships among them. It was developed on a single idea and shown as an image in the middle of a blank page, on which accompanying illustrations of concepts, such as illustrations, words, and word fragments, are added. It is a great way of note-taking and note-making that literally “maps out” the ideas in a visual form. Students that use mind maps find it easier to remember and recall concepts.

https://mrcet.com/pdf/CSE_Events/Innovative%20Classroom%20Teaching.pdf

Figure5.6.6 MIND MAPPING

7. JAM SESSION:

A "jam session" in a technical event refers to an interactive activity where participants spontaneously brainstorm, discuss, and collaborate on technical ideas or problems, often with a focus on quick thinking and creative solutions. Essentially, its a rapid-fire brainstorming session on a technical topic, usually with a time limit per participant to share their thoughts. Just a minute has deserved popularity around the world. Participants must speak continuously for one minute. No long pauses are allowed , only those a presenter would normally take. They may not change the subject or repeat information or opinion; the opposing team can raise an objection if they feel this has happened, best done by raising a hand. Every student must participate and once the contestant has completed their minute, they are given a score based on their speech**.**

https://mrcet.com/pdf/CSE_Events/Innovative%20Classroom%20Teaching.pdf (https://mrcet.com/pdf/CSE_Events/Innovative%20Classroom%20Teaching.pdf)

Figure5.6.7 JAM SESSION

8.ROLE PLAY:

Role-play is a teaching method that can help students in technical education learn and apply their knowledge in real-world scenarios. It can help students develop skills like teamwork, problem-solving, and critical thinking. Students can role-play to understand the challenges of software development and the importance of communication and collaboration. Role-play can help students consider multiple perspectives and think more critically about complex topics. Role-play can help students develop their interpersonal communication skills. Role-play can help students learn to work effectively with others. Role playing allows engineering students to participate in many activities in which professional engineers engage.

Figure 5.6.8 ROLE PLAY

9.QUIZ:

Quiz is an activity which is taken by all the students in the lab. Quiz is conducted in C language subject for II Year Students. The activity is taken by all the students and is monitored, recorded. Also, student performance is evaluated. The students are made to take online quiz all at one time. They need to answer 30 questions and after answering each question as they submit answer, immediately the answer is verified and evaluated. Then the student moves to answer next question. At the end of quiz, all the students evaluation report is generated which includes details such as the accuracy of students in answering questions, no. of students and their scores. Other details such as the no of questions each student has attempted and how many were correct are also recorded.

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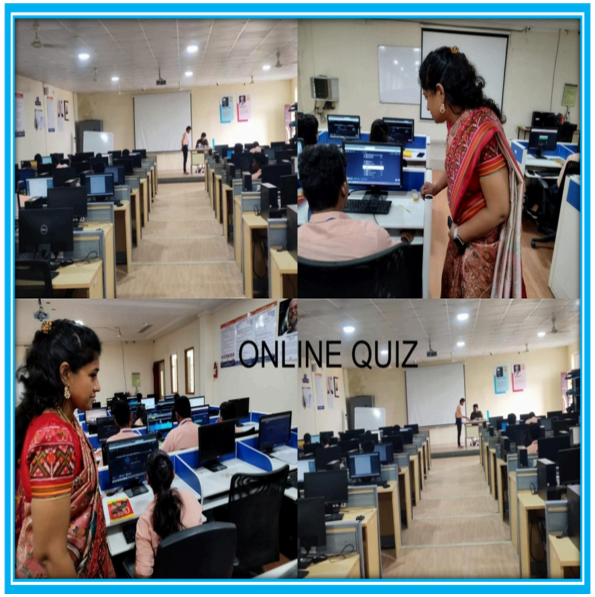
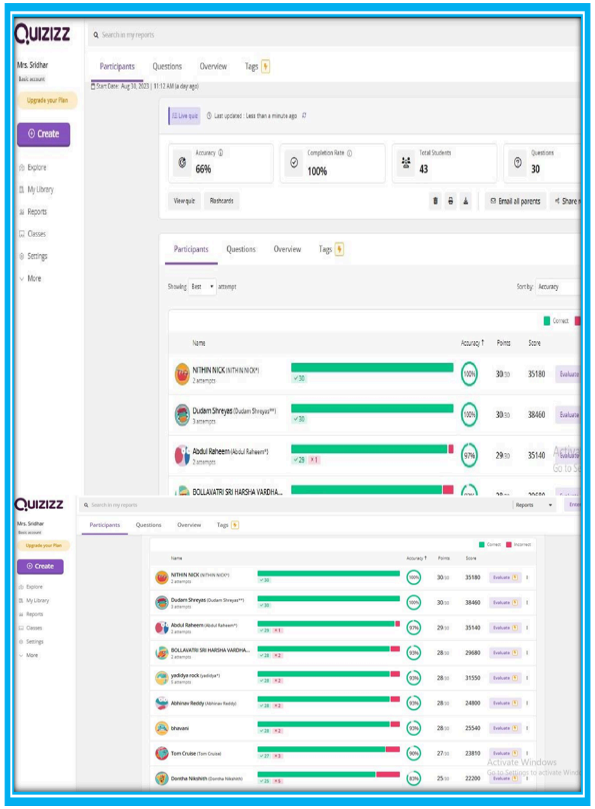


Figure5.6.9(a) QUIZ



Start Date: Aug 30, 2023 | 11:12 AM (a day ago)

Last updated : Less than a minute ago

Accuracy 66%

Completion Rate 100%

Total Students 43

Questions 30

Showing Best attempt

Sort by: Accuracy

Name		Accuracy ↑	Points	Score
NITHIN NICK (NITHIN NICK*) 2 attempts	✓30	100%	30/30	35180
Dudam Shreyas (Dudam Shreyas**) 3 attempts	✓30	100%	30/30	38460
Abdul Raheem (Abdul Raheem*) 2 attempts	✓29 ✕1	97%	29/30	35140
BOLLAVATRI SRI HARSHA VARDHA... 2 attempts	✓28 ✕2	93%	28/30	29680
yadidya rock (yadidya*) 5 attempts	✓28 ✕2	93%	28/30	31550
Abhinav Reddy (Abhinav Reddy)	✓28 ✕2	93%	28/30	24800
bhavani	✓28 ✕2	93%	28/30	25540
Tom Cruise (Tom Cruise)	✓27 ✕3	90%	27/30	23810
Dontha Nikshith (Dontha Nikshith)	✓25 ✕5	83%	25/30	22200

Figure5.6.9(b) REPORT ON QUIZ

10.GROUP LEARNING SYSTEM:

Advanced learners from students are identified based on their performance in class room & laboratory activities, co-curricular activities and placement assessment tests through placement mentoring. Furthermore, they train and guide other learners under faculty’s supervision. This activity involves the collaborations among slow and advanced learners, which in turn boost their academic performance collectively.

GPS Map Camera
Hyderabad, Telangana, India
2, near Hanuman Temple, Maisammaguda, Bhadurpalle, Hyderabad, Telangana 500043, India
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GPS Map Camera
Hyderabad, Telangana, India
HF63+FRG, Maisammaguda, Dulapally, Hyderabad, Telangana 500043, India
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GPS Map Camera
Hyderabad, Telangana, India
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Google

Figure5.6.10 GROUP LEARNING SYSTEM

11. PROJECT BASED LEARNING:

Project-based learning (PBL) is a teaching method that involves students working in groups to create real-world projects that demonstrate their knowledge and skills. Students learn by actively exploring real-world problems and challenges. Students design, develop, and construct solutions to problems, often in small teams. Students develop critical thinking and problem-solving skills, and learn how to adapt their knowledge to new situations. PBL is learner-centered, and instructors guide students rather than direct them. Students can work independently or collaborate, and can use Ed Tech and other tools.

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Google
GPS Map Camera
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HF63+FRG, Maisammaguda, Dulapally, Hyderabad, Telangana 500043, India
Lat 17.561363°
Long 78.4549°
07/05/24 02:37 PM GMT +05:30
Google

Figure5.6.11 PROJECT BASED LEARNING

12.GOOGLE CLASS ROOMS:

Google Class Room is incorporated in our teaching learning process to interact with students 24X7 by posting technical contents, updated technologies, notes and assignments. It acts like a forumfor discussion among the faculty members and students. Google classroom is easy to use and accessible from all the devices. It also enables effective communication, sharing of lecture materials, online evaluation of assignments and user-friendly interface.

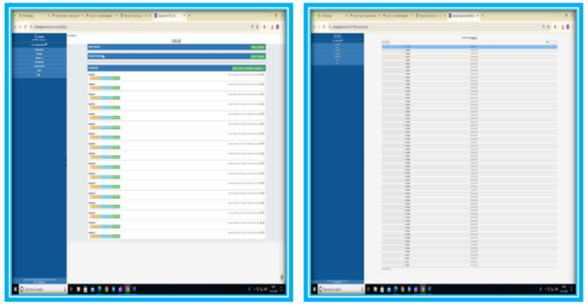


Figure5.6.12 GOOGLE CLASS ROOMS

13. MULTIMEDIA TOOLS USED:

Digital boards are available in all class rooms and seminar halls. Faculty members prepare well laid out PPTs on relevant topics with reference from standard text books.AudioVideosupportisavailableinclassroomssoastoenablestudentstowatchinteractiveonlinelecturesbyacademicandindustry experts. The realistic use of working models, charts, animated presentations, experimental demonstration and role play is applied wherever applicable in order to make the teaching learning process more effective and interesting.

13.1 DIGITAL BOARD:

A digital board, also known as a smart board, is used in teaching to provide an interactive platform for teachers to present lessons with multimedia content like videos, images, and animations, allowing students to engage directly with the material on the screen through touch, making learning more dynamic and engaging compared to traditional chalkboards; teachers can also write, draw, highlight key points, and incorporate various digital tools to cater to different learning styles.

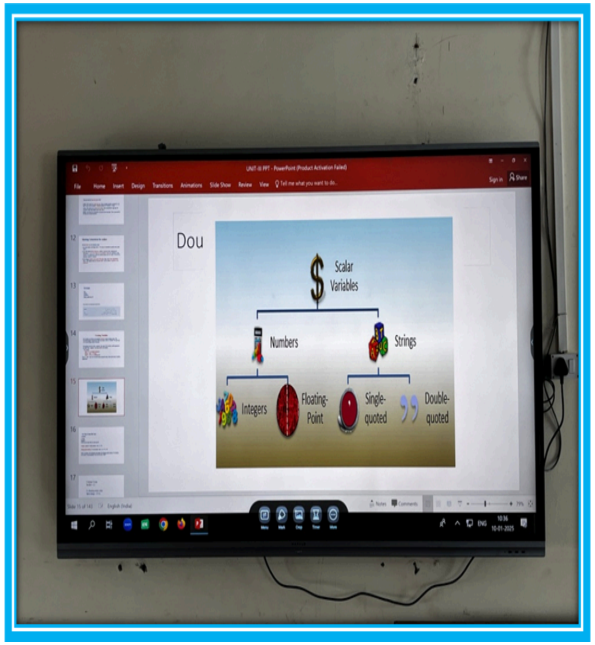


Figure5.6.13.1 DIGITAL BOARD

- The innovations by the faculty in teaching and learning have been summarized in Table 5.6.2.

Table5.6.2 Summary of Innovations by the Faculty in Teaching and Learning

S.No	**Innovative Tools**	**Activity Carried**	**Roleby(Student/Faculty/ Both)**	**Number Of Students Benefited**	**Outcome**
1	Moodle	Assignment Submission & Assessment	Submission By Students Assessment By Faculty	All	Gain Exposure Towards E-Learning And Practices
2	Virtual Labs	Students Can Access Laboratory Experiments Online Without The Need To Be Physically Present In A Lab.	Student	All	Students Can Learn The Experimental Process From Anywhere.
3	Group Learning	Advanced Learners Teaches Slow Learners In The Same Class.	Student	240	Enhance Rapport Among Students, Which In Turn Motivate Them To Compete Locally & Globally.

4	Project Based Learning	Students Come Up With Their Own Problem Statement And Execute It.	Student	200	Students Working In Groups To Create Real-World Projects That Demonstrate Their Knowledge And Skills.
5	Google Class Room	Google Classroom Is Easy To Use And Accessible From All The Devices.	Submission By Students Assessment By Faculty	All	Google Class Room Enables Effective Communication, Sharing Of Lecture Materials, Online Evaluation Of Assignments And User-Friendly Interface.
6	Information &Communication Technology (Ict) Assisted Teaching & Learning	Demonstration Of Program Implementation And Usage Of Relevant Software Tools	Faculty	All	Create Awareness Among Students About Industry Standard Software Tools

Figure5.6.6 MIND MAPPING

5.7 Faculty as participants in Faculty development/training activities/STTPs (15) Total Marks 15.00

Institute Marks : 15.00

Name of the faculty	Max 5 Per Faculty		
	2023-24(CAYm1)	2022-23(CAYm2)	2021-22(CAYm3)
DR.S.SHANTHI	5.00	5.00	5.00
Dr. IDIMADAKALA NAGARAJU	0.00	0.00	0.00
DR.G.SHARADA	0.00	0.00	0.00
DR. K. SURESH	0.00	0.00	5.00
DR. A. MUMMOORTHY	5.00	5.00	5.00
DR. MADADI VIJAYAKAMAL	5.00	0.00	0.00
DR. DANDU SUJATHA	0.00	5.00	5.00
DR. KADAINTI SRIKANTH	0.00	0.00	0.00
DR. P. DILEEP	5.00	5.00	5.00
DR. LAKSHMI NAGA JAYAPRADA G	0.00	0.00	0.00
DR. THOTA SIVA RATNA SAI	5.00	0.00	0.00
DR. S. RAHAMAT BASHA	0.00	5.00	5.00
DR. AVH SAI PRASAD	0.00	0.00	0.00
Dr. GADAMSEETY NANDA KISHORE KUMAR	0.00	0.00	5.00
DR. P.HARIKRISHNA	0.00	5.00	5.00
DR. B. PRIYANKA	0.00	0.00	0.00
DR. M. SAMBASIVUDU	5.00	5.00	5.00
DR. V. SANGEETHA	0.00	0.00	0.00
Dr. SATHEESH KUMAR NAGINENI	5.00	0.00	0.00

DR.NARIKKALPATTI KUPPANA GOUNDER KUPPUCHAMY	0.00	0.00	0.00
DR.M.JAYAPAL	0.00	0.00	0.00
DR. RAJESHWAR RAO KODIPAKA	0.00	0.00	0.00
DR.V.CHANDRASHEKAR	0.00	0.00	0.00
DR.NAGENDRA PRABHU S	0.00	0.00	0.00
DR.SELAMBAN RAMASAMY	0.00	0.00	0.00
DR.K.M.RAYUDU	0.00	0.00	0.00
DR.ARUNA VEMULA	0.00	0.00	0.00
DR. P VINAY BHUSHAN	0.00	0.00	0.00
DR. LAKSHMAN AAREPU	0.00	0.00	0.00
DR.M. GAYATRI	5.00	5.00	5.00
DR.VISHWANATH REDDY SINGIREDDY	0.00	0.00	0.00
DR.G. RAVI	5.00	5.00	5.00
DR.M.NARENDRA	0.00	0.00	0.00
D. RADHA	5.00	5.00	5.00
M. SANDEEP	5.00	0.00	0.00
MANOJ KUMAR GOTTIMUKKULA	5.00	5.00	5.00
W.NIRMALA	5.00	5.00	5.00
C S N DURGHA	0.00	0.00	5.00
P. HONEY DIANA	5.00	5.00	5.00
N. SIVA KUMAR	5.00	5.00	5.00
R. SUJATHA	0.00	5.00	5.00

BOKKA PAVANI	5.00	5.00	5.00
GORANTALA SHAMINI	0.00	0.00	0.00
P. DASTAGIRI REDDY	0.00	5.00	5.00
SANDEEP AGARWALLA	0.00	5.00	5.00
KANDA CHANDUSHA	0.00	5.00	5.00
AGNISHA MANDAVA	0.00	0.00	5.00
KOLLURI RAVINDER	0.00	0.00	0.00
SAI ESWARI DUTTA	0.00	5.00	0.00
TANGIRALA PADMAJA	0.00	0.00	0.00
ANDREWS HIMAKIRAN	0.00	0.00	0.00
B SARITHA	0.00	0.00	0.00
SRINIVAS PALAJEESAM	0.00	0.00	0.00
DHANDYALA AKHILA	0.00	0.00	0.00
GANESH BEEMANAPALLI	0.00	0.00	0.00
B.SWAPNA LATHA	0.00	0.00	0.00
DOLU VENU GOPAL	0.00	0.00	0.00
SHIVA KUMAR TALATHAI	0.00	0.00	0.00
N. BHARATHI	0.00	0.00	0.00
D VIGNESWAR RAO	0.00	5.00	5.00
VAMSHI KRISHNA G	0.00	0.00	5.00
SUNIL BOLLAM	0.00	5.00	5.00
SHAILAJA P	0.00	0.00	0.00

RAMANAMMA THATHI REDDY	0.00	0.00	0.00
RAJESH CHAKKA	0.00	0.00	0.00
B. ARUNA KUMARI	0.00	0.00	0.00
P.SWETHA	0.00	0.00	5.00
M. VAZRALU	0.00	5.00	5.00
UMAMAHESWARARAO INKOLLU	0.00	0.00	0.00
K. SWETHA	0.00	5.00	0.00
PRAMEELA.N	0.00	5.00	5.00
R CHANDRA SHEKHAR	0.00	0.00	0.00
T.SHILPA	0.00	5.00	5.00
P.V.NARESH	0.00	0.00	0.00
TUMMAL SRINIDHI	0.00	0.00	0.00
A. JAYASREE	0.00	0.00	0.00
A. BICHAMMA	0.00	0.00	0.00
SUNKARI SHEKAR	0.00	0.00	0.00
V. SUNEETHA	5.00	5.00	5.00
MAHENDAR JINUKALA	5.00	5.00	5.00
BATTU RAMESH	0.00	0.00	0.00
BALA VEERAVATNAM	0.00	5.00	5.00
AMRUTHA MARY	0.00	0.00	0.00
SHIVAGOUNI ARCHANA	0.00	5.00	5.00
D.CHANDRASEKHAR REDDY	5.00	0.00	5.00

ABDUL SALEEM L	5.00	0.00	5.00
P HARIKRISHNA	0.00	5.00	5.00
MUGGU NAGA SIVA GANGADHAR	0.00	0.00	5.00
T JAGADEESH KUMAR	0.00	0.00	0.00
KATTA SANTHI PRIYA	0.00	0.00	0.00
KUNDURU NIROSHA	0.00	0.00	0.00
M.VENU	0.00	0.00	0.00
P BIKSHAPATHY	0.00	0.00	0.00
A.SYAM PRASAD	0.00	0.00	0.00
K.SRIKANTH	0.00	0.00	0.00
N VIJAYA KUMAR	0.00	0.00	0.00
Sum	100.00	155.00	190.00
RF = Number of Faculty required to comply with 20:1 Student Faculty Ratioas per 5.1	52.00	42.00	42.00
Assessment [3*(Sum / 0.5RF)]	11.54	22.14	27.14

Average assessment over 3 years: 15.00

5.8 Research and Development (75) Total Marks 75.00

5.8.1 Academic Research (20)

Institute Marks : 20.00

5.8.1.Academic Research (20)

Academic research includes research paper publications, Ph.D. guidance, and faculty receiving Ph.D. during the assessment period.

•Number of quality publications in refereed/SCI Journals, citations, Books/ Book Chapters etc

•Ph.D. guided /Ph.D. awarded during the assessment period while working in the institute All relevant details shall be mentioned.

RESEARCH PUBLICATIONS

The faculty of CSE has published number of research papers in National and International Journals like SCOPUS, IEEE, Springer and Conferences. The count of published research papers is shown in below Table: 5.8.1.1

Table: 5.8.1.1 Research publications

Academic Year	Journals	Conferences
CAY (2023-24)	SCIE (2) +SCOPUS (25) +UGC (10) =36	27
CAYm1(2022-23)	SCIE (6) +SCOPUS (36) + UGC (21) =63	22
CAYm2(2021-22)	SCIE (5) +SCOPUS (9) + UGC (00) =15	19
TOTAL	SCIE (13) +SCOPUS (70) +UGC (29) =115	68

Dept. of CSE Faculty Consolidated count of Patents, Books / Book Chapters Published Ph.D. guidance, Ph.D. guided, Ph.D. awarded, pursuing PhD, Awards, citations are shown in below Table 5.8.1.2.

Table 5.8.1.2

S. No	SUMMARY OF FACULTY MEMBER ACTIVITIES	COUNT
1	Research paper publications	115
2	Conference Publication	68
3	Patents Published	62
4	Books / Book Chapters Published	46
5	Ph.D. guiding	11
6	Ph.D. awarded	8
7	Pursuing PhD	26
8	Awards Received	13
9	Scopus citations	779
10	Google Scholar citations	2139

1. RESEARCH PUBLICATIONS

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING RESEARCH PUBLICATIONS IN NATIONAL/INTERNATIONAL JOURNALS FOR THE ACADEMICYEAR: 2024-25 ARE SHOWN IN BELOW TABLE 5.8.1.6

Table 5.8.1.6

S. No	Name of the Faculty	Title	Details
1	Likitha Gongalla	Hyperspectral Image Construction In Different Spectral Bands Of Tea Leafs For Identifying The Tea Type Using O-Convnet-RF Model	Indonesian Journal Electrical Engineering and Computer Science, Vol no:35,july 2024,pp:301-309,ISSN:2502-4752,DOI:10.11591 (SCI)
2	Dr. P. Dileep	Positional-Attention Based Bidirectional Deep Stacked Autoencoder For Aspect Based Sentimental Analysis	Big Data Research ,2024 (SCIE)
3	Dr. Kurumalla Suresh	Facial Feature Extraction For Identical Twins' Fraud Detection Using Machine Learning Algorithms	e-ISSN: 2582-5208 International Research Journal of Modernization in Engineering Technology and Science Volume:06/Issue:04/April-2024 Impact Factor- 7.868 (SCOPUS)
4	Dr. P. Dileep	A Deep Reinforcement Learning-Based RNN Model In A Traffic Control System For 5genvisioned Internet Of Vehicles	Mathematical Modelling of Engineering Problems, ISSN: 2369-0747, 2024. (SCOPUS)
5	Dr. P. Dileep	Maxillo Facial Fracture Detection System (MFDS) In Accident Victims With Deep Learning Techniques Using Artificial Intelligence	TELEMATIQUE, ISSN: 1856-4194, 2024. (SCOPUS)
6	Dr. P. Dileep	Water Quality Prediction Using Combined Model Of Convolutional Neural Network And Long Short-Term Memory	International Journal of Intelligent Systems and Applications in Engineering, 2024, 12(4), 1828 - 1836,2024 (SCOPUS)
7	Dr. P. Dileep	Recent Progress And Advancements In Biosensor Technology For Continuous Glucose Monitoring In Diabetes Care	JOURNAL OF APPLIED BIOANALYSIS,2024 (SCOPUS)
8	Dr. P. Dileep	Empowering Healthcare With NLP-Driven Deep Learning Unveiling Biomedical Materials Through Text Mining	The Scientific Temper,2024 (SCOPUS)
9	Dr. P. Dileep	Autonomic Resilience In Cybersecurity: Designing The Self-Healing Network Protocol For Next-Generation Software-Defined Networking	International Journal of Computational and Experimental Science and Engineering,2024 (SCOPUS)
10	Dr. P. Dileep	An Overview Of Agricultural Desalination For Irrigation Purposes And Quality Parameter Analysis	Journal of Environmental Protection and Ecology,2024 (SCOPUS)
11	Dr. Shanthi	Machine Learning-Driven Cryptography Automating the Design Of Robust Encryption Algorithms	Communications on Applied Nonlinear Analysis, ISSN: 1074-133XVol 32 No. 3 (2025) (SCOPUS)
12	Dr. N. Satheesh Kumar	Explainable AI Framework For Skin Cancer Classification, And Melanoma Segmentation	ARPN Journal of Engineering and Applied Sciences (SCOPUS)
13	Dr. N. Satheesh Kumar	"Lub And Dub": An Optimized Approach Using Recurrent Neural Network For Classifying Heart Diseases Based On Heart Sound	International Journal of Intelligent Systems And Applications In Engineering (SCOPUS)
14	Dr. N. Satheesh Kumar	Enhanced Detection And Segmentation Of Retinal Exudates In Diabetic Retinopathy Using A Feature Pyramid Network With Efficientnet-B0 Encoder	Indian Journal of Science and Technology (WOS)
15	Suneetha Vazrala	RBTM: A Hybrid Gradient Regression-Based Transformer Model For Biomedical Question Answering	Biomedical Signal Processing and Control (SCOPUS)

16	Dr.G.L.N.Jayaprada	Integrating Multimodal Medical Imaging Data For Enhanced Bone Cancer Detection: A Deep Learning-Based Feature Fusion Approach	Journal of Theoretical and Applied Information Technology (SCOPUS)
17	Dr.G.L.N.Jayaprada	Advancing Sleep Stage Classification With EEG Signal Analysis: LSTM Optimization Using Puffer Fish Algorithm And Explainable AI	International Journal of Electrical and Electronics Research (IJEER) (SCOPUS)
18	Dr.G.L.N.Jayaprada	CUDA-EECA Model For Crop Quality Estimation With Edge Computing Using Machine Learning Technique	African Journal of Biological Sciences (SCOPUS)
19	Dr.G.L.N.Jayaprada	Smart 5G Small Cell Mobile Networking With Sleep Strategy Using Novel Swarm Optimization	Journal of Advances in Information Technology (SCOPUS)
20	Dr.G.L.N.Jayaprada	Efficient Detection Of Tomato Leaf Diseases Using Gpu-Accelerated Deep Learning Frameworks	Journal of Theoretical and Applied Information Technology (SCOPUS)
21	Dr.G.L.N.Jayaprada	A Fast Simple Linear (Fasl) Unsupervised Feature Extraction Method	International Journal of Intelligent Systems And Applications In Engineering(SCOPUS)
22	Dr.G.L.N.Jayaprada	Brain Tumor Detection From Mri Images Using Cnn	International Journal of Engineering Science and Advanced Technology (IJESAT) (SCOPUS)
23	ABDUL SALEEM L	Violence Detection In Videos Using Low Complex Convolution Neural Network For Surveillance Applications	Journal of Wireless Mobile Networks, Ubiquitous Computing, and Dependable Applications (JoWUA), volume: 15, number: 4 (December) (SCOPUS)
24	Dr M Gayatri	Evolvulus Alsinoides Leaf Extract— Assisted Biosynthesis Of Zno Nanoparticles And Evaluation Of Its Biocompatibility Activity	International Journal of Intelligent systems and Applications (SCOPUS)
25	Dr M Gayatri	Proceedings Of The International Conference On Computational Innovations And Emerging Trends (ICCIET- 2024)	International Journal of Intelligent systems and Applications (SCOPUS)
26	Dr M Gayatri	Grid-Connected Vs. Off-Grid Solar Water Pumping Systems For Agriculture In India: A Comparative Study	Energy Sources, Part A: Recovery, Utilization, and Environmental Effects (SCOPUS)
27	Dr. S. Rahamat Basha	A Novel Hybrid Algorithm for Enhanced Re-Ranking Optimal Web Page Classification	International Research Journal of Multidisciplinary Technovation 7 (1):188-202. 2025 https://doi.org/10.54392/irjmt25113 (https://doi.org/10.54392/irjmt25113). (SCOPUS)
28	Dr.A.Mummoorthy	Crop Prediction In Agricultural Environment Using Feature Selection Methods And Classifiers	International Journal of Novel Research and Development, Online ISSN: 2456-4184 | Print ISSN: 2279-0152,Volume 9, Issue 3 March 2024(UGC)
29	Dr. A. Mummoorthy	Network Intrusion Detection System For Feature Selection - Based Machine Learning Technique Using Ann & Svm	International Journal of Novel Research and Development, Online ISSN: 2456-4184 | Print ISSN: 2279-0152,Volume 9, Issue 3 March 2024(UGC)
30	Dr.A.Mummoorthy	Prediction Of Rice Blast Disease Using Integrate Smote With Multilayer Perception	International Journal of Novel Research and Development, Online ISSN: 2456-4184 | Print ISSN: 2279-0152,Volume 9, Issue 3 March 2024(UGC)
31	Dr.A.Mummoorthy	Prediction Of Crime Type And Occurrence Using Machine Learning Algorithm”	International Journal of Novel Research and Development, Online ISSN: 2456-4184 | Print ISSN: 2279-0152,Volume 9, Issue 3 March 2024(UGC)
32	V. Sudha Rani	Verification Via Shared Negative Password Encryption	International Journal of Research and Analytical Reviews (IJRAR) Volume No.12, Issue No.2, February-March 2024,10384-10386 (UGC)

33	Dr. P. Dileep	Effective Machine Learning Techniques For Stock Price Forecasting	International Journal of Advances in Business and Management Research, ISSN: 2584-1718, 2024. (UGC)
34	Dr. P. Dileep	An Ensemble Learning Approach For Early Detection And Classification Of Plant Diseases	ICTACT JOURNAL ON IMAGE AND VIDEO PROCESSING, ISSN: 0976-9102, 2024. (UGC)
35	Dr M V Kamal	Novel Power Demand Forecasting Using Cutting Edge Machine Learning Models	International Journal of Engineering Research and Applications (UGC)
36	Dr Sujatha	Integrating Multimodal Medical Imaging Data For Enhanced Bone Cancer Detection: A Deep Learning-Based Feature Fusion Approach	Muktshabd Journal Volume XIII, Issue IX 2024 (UGC)
37	Dr Sujatha	The study Kafka-Machine Learning Framework is Utilized through Data Streams in both Online Learning and on-going Model Improvement	Muktshabd Joumal Volume VIII Issue VI, June 2024 (UGC)

NATIONAL/INTERNATIONAL JOURNALS FOR THE ACADEMICYEAR: 2023-2024 ARE SHOWN IN BELOW TABLE 5.8.1.4

Table 5.8.1.4

S. No	Name of the Faculty	Title	Details
1	Dr. Shanthi	An automation query expansion strategy for information retrieval by using fuzzy based grasshopper optimization algorithm on medical datasets	Concurrency and Computation: Practice and Experience, 2023, 35(3), e7418 (SCIE)
2	Dr. Shanthi	A secured and optimized deep recurrent neural network (DRNN) scheme for remote health monitoring system with edge computing	Automatika, 2023, 64(3), pp. 508–517 (SCIE)
3	Dr. Shanthi	Adaptive trust-based secure and optimal route selection algorithm for MANET using hybrid fuzzy optimization	Peer-to-Peer Networking and Applications, 2023, 16(1), pp. 22– 34 (SCIE)
4	Dr. P. Dileep	Diabatic Retinopathy Detection By Optimized Deep Learning Models	Multimedia Tools and Applications,ISSN: 1573-7721, 2023. (SCIE)
5	Dr. P. Dileep	Optimized aspect and self-attention aware LSTM for target-based semantic analysis (OAS-LSTM-TSA)	Data Technologies and Applications, ISSN: 2514-9288, 2023. (SCIE)
6	Dr M Gayatri	Molecular pathways of oral submucous fibrosis and its progression to malignancy	International Journal of Intelligent systems and Applications (SCIE)
7	Vishwanath R. Singireddy	Dispersing facilities on planar segment and circle amidst repulsion	Journal of Global Optimization, 20 June 2023
8	Dr. P. Dileep	Real-Time Tracking of Animal Movements in Pasture-Based Livestock Systems Using Internet of Things and Artificial Intelligence	Journal of Advanced Zoology, ISSN: 0253-7214, 2023. (SCOPUS)
9	Dr. P. Dileep	Machine Learning-Based Crop Yield Prediction: A Comparative Study of Regression Models in Precision Agriculture	Journal of Advanced Zoology,ISSN: 0253-7214, 2023. (SCOPUS)
10	Dr. P. Dileep	Role of Omega - 3 Fatty Acids And Diogoxin In Cardiovascular Diseases - A Comprehensive Review	Journal of Advanced Zoology,ISSN: 0253-7214, 2023. (SCOPUS)
11	Dr. P. Dileep	AI -Driven Drowned - Detection System For Rapid Costal Rescue Operations	Spatial Information Research,ISSN: 2366-3294, 2023. (SCOPUS)

12	Dr. P. Dileep	Integrating Social - Network Analysis And Machine Learning For Predicting Diseases Outbreaks A Case Study In Public Health	Remittances Review, ISSN: 2059-6596, 2023. (SCOPUS)
13	Dr. P. Dileep	Predictive Modelling Of Socioeconomic Trends Using Machine Learning : Implementations For Policy Planning	Journal of Namibian Studies, ISSN: 2197-5523, 2023. (SCOPUS)
14	Dr. G.Sharada	Computer Intelligence-Based Fruit Grading: A Review	International information and engineering technology association,Page: 465-474 Revue intelligence Artificial Vol. 37, No. 2, April, 2023, pp. 465-474 https://doi.org/10.18280/ria.370223 (SCOPUS)
15	Dr.G.Sharada	Development of An Efficient Search Engine Using Machine Learning Techniques	International journal of innovative technology and research Volume No.11, Issue No.2, February – March 2023, PAGE NO: 10324 - 10326. (SCOPUS)
16	Dr.G.Sharada	Extraction of Text From Image Under Different Illumination Conditions	Gradiva review journal, ISSN NO : 0363-8057, Page no:297-305, VOLUME 9 ISSUE 4 2023 (SCOPUS)
17	Dr.G.Sharada	A Review on Machine Learning based Prediction of Coronary Artery Disease	Indian journal of technical education ISSN 0971-3034 Volume 11 Issue, 2 Dec 2023(SCOPUS)
18	Dr.K.Suresh	Machine Learning-Based Crop Yield Prediction: A Comparative Study of Regression Models in Precision Agriculture	International Journal of Engineering Sciences & Research Technology,ISSN: 2277-9655, volume 8 Issue,2023. (SCOPUS)
19	Dr.K.Suresh	Detection of Vehicle Parking Using Maskrcnn	Gis Science Journal (https://gisscience.net/) DOI: 20.18001.GSJ. 2022.V10I4.23.409 227, ISSN, NO:1869-9391VOLUME 10 ISSUE 4 2023 (SCOPUS)
20	Dr.K.Suresh	Utilizing A Convolutional Neural Network to Identify Brain Tumors	INTERNATIONAL JOURNAL OF INNOVATIVE TECHNOLOGY AND RESEARCH, Volume No.11, Issue No.2, February – March 2023 (SCOPUS)
21	Dr.K.Suresh	A System for Recommending Fertilizers And Estimating Crop Yield Using Machine Learning	INTERNATIONAL JOURNAL OF INNOVATIVE TECHNOLOGY AND RESEARCH, Volume No.11, Issue No.2, February – March 2023 (SCOPUS)
22	Dr.K.Suresh	Modeling Deep Neural Networks For Drone Identification	INTERNATIONAL JOURNAL OF INNOVATIVE TECHNOLOGY AND RESEARCH, Volume No.11, Issue No.2, February – March 2023, 10305 – 10307 (SCOPUS)
23	K Sudhakar Reddy	SVM for Classification of Brain MRI with K-Means for Detection	International Journal of Scientific Research in Engineering and Management VOLUME: 07 ISSUE: 11 | NOVEMBER – 2023 PP-1 to 4 & ISSN: 2582-3930 (SCOPUS)
24	P.V Naresh	Automatic Detection of Covid-19 from Chest X-Rays using Weighted Average Ensemble Framework	International Journal of Intelligent Systems and Applications in Engineering,2024, 12(2s), pp:608–614 ISSN:2147-6799214 (SCOPUS)
25	P.V Naresh	A Light Weight Grid Search Based Ensemble Model for Covid-19 Classification in Chest X-Rays	International Journal of Intelligent Systems and Applications in Engineering,11(3), PP:252-258 ISSN:2147-679921 , 2023 (SCOPUS)

26	P.V Naresh	PSO Optimized CNN-SVM Architecture for Covid - 19 Classification	International Journal on Recent and Innovation Trends in Computing and Communication ISSN: 2321-8169 Volume: 11 Issue: 5s Article Received: 27 February 2023 Revised: 08 April 2023 Accepted: 23 April 2023 (SCOPUS)
27	P.V Naresh	An Adaptive Grid Search Based Efficient Ensemble Model for Covid-19 Classification in Chest X-Ray Scans	International Journal of Electrical and Electronics Research (IJEER) Volume 11, Issue 3 Pages 794-799 e-ISSN: 2347-470X (SCOPUS)
28	A.Jaya Sree	Intruder Detection System Using Support Vector Machine and Random Forest	International Journal of Innovative Research in Technology.,VOLUME:9,ISSUE:11,ISSN:2349-6002 PP:1103- 1107 (SCOPUS)
29	A.Jaya Sree	Vehicle Insurance Damage Detection	International Journal for Research in Applied Science and Engineering Technology,VOLUME:11, Paper Id : IJRASET49847 ISSUE:3 ISSN:2321-9653 PP: 1985-1988 (SCOPUS)
30	D.Radha	An advanced document representation technique based approach for author profiles prediction using word embededing techniques	International Journal of Intelligent Systems and Applications in Engineering (IJISAE) ,ISSN:2147-67992147-6799 SCOPUS)
31	G Ravi	Energy Efficient Data Aggregation Scheme using Improved LEACH Algorithm for IoT Networks (https://scholar.google.com/scholar?oi=bibs&cluster=877570678514680983&btnI=1&hl=en)	International Journal of Intelligent Systems and Applications in Engineering,Volume-11,Issue-2s,Pages:174-188 (SCOPUS)
32	G Ravi	Reliable cluster based data aggregation scheme for IoT network using hybrid deep learning techniques	Measurement: Sensors,Volume27,Pages100744,Publisher Elsevier (SCOPUS)
33	G Ravi	An Energy-Efficient Learning Automata and Cluster-Based Routing Algorithm for Wireless Sensor Networks* (https://scholar.google.com/scholar?oi=bibs&cluster=14671893284310068988&btnI=1&hl=er	Contemporary Mathematics:https://ojs.wiserpub.com/index.php/CM/art 504,Publisher-Universal Wiser. (SCOPUS)
34	Dr. I Nagaraju	Real-Time Tracking of Animal Movements in Pasture-Based Livestock Systems Using Internet of Things and Artificial Intelligence	Journal of Advanced Zoology (SCOPUS)
35	Dr. I Nagaraju	Applying Deep Neural Networks on Medical Data to Detect Brain Tumor	JOURNAL OF CRITICAL REVIEWS (SCOPUS)
36	Dr. I Nagaraju	The Potential of Blockchain Technology for Secure Supply Chain Management A Comprehensive Review	TURCOMAT (SCOPUS)
37	Dr. I Nagaraju	Blockchain-Based Electronic Coupon Service for Safety and Convenience	EJMCM (SCOPUS)
38	Dr. I Nagaraju	Nutritional Deficit Detection in Crops Using Machine Learning	Turkish Journal of Computer and Mathematics Education (TURCOMAT) ISSN: 3048-4855, https://turcomat.org/index.php/turkbilmat/article/view/ (https://turcomat.org/index.php/turkbilmat/article/view/ (SCOPUS)
39	Dr. I Nagaraju	Prospects, Use Cases, and Pitfalls of Blockchain as a Cyber Defense	EJMCM (SCOPUS)

40	Suneetha Vazrala	Concept Vector Generation for Biomedical Literature using concept modeling	Indonesian Journal of Electrical Engineering and Computer Science (SCOPUS)
41	Dr. N. Satheesh Kumar	Advanced Diabetic Retinopathy Detection and Classification Using Lightweight Deep Learning Techniques	International Journal of Intelligent Systems And Applications In Engineering (SCOPUS)
42	Dr. N. Satheesh Kumar	“Lub and Dub”: An Optimized Approach for Heart Disease Classification Based on Heart Sound Using Bi-LSTM	International Journal of Intelligent Systems And Applications In Engineering (SCOPUS)
43	Dr. N. Satheesh Kumar	Diabetic Retinopathi Detection Using ML and DL Techniques: A Review	Industrial Engineering Journal (SCOPUS)
44	Dr M V Kamal	Prospects, Use Cases, and Pitfalls of Blockchain as a Cyber Defense	European Journal of Molecular & Clinical Medicine(UGC)
45	Dr M V Kamal	Blockchain-Based Electronic Coupon Service for Safety and Convenience	European Journal of Molecular & Clinical Medicine(UGC)
46	Mahendar Jinukala	Real-Time Tracking of Animal Movements in Pasture-Based Livestock Systems Using Internet of Things and Artificial Intelligence	Journal of Advanced Zoology(UGC)
47	Suneetha Vazrala	Loan Approval Prediction using Adversarial Training and Data Science	Turkish Journal of Computer and Mathematics Education (UGC)
48	Suneetha Vazrala	ZONE OUT - A COMPREHENSIVE MENTAL WELLBEING WEB APP	International Journal of Engineering & Science Research(UGC)
49	Dr.A.Mummoorthy	E-Learning Website For Learning Of Html And Css	International journal of scientific research in engineering and management (IJSREM) volume:07,issue:10,October – 2023 sjif rating 8.176.issn:2582-3930 (UGC)
50	Dr.A.Mummoorthy	Eye-Ball Cursor Movement Controlling Using OpenCV In Python	International journal of scientific research in engineering and management (IJSREM) volume:07,issue:10,October – 2023 sjif rating 8.176.issn:2582-3930 (UGC)
51	Dr.A.Mummoorthy	Forest Wildfire Detection From Satellite Images Using Deep Learning	International journal of scientific research in engineering and management (IJSREM) volume:07,issue:10,October – 2023 sjif rating 8.176.issn:2582-3930(UGC)
52	M.Vazralu	Digital voting process via Block chain Technology	INTERNATIONAL JOURNAL OF INNOVATIVE TECHNOLOGY AND RESEARCH Volume No.11, Issue No.2, February – March 2023, 10288 - 10291. (UGC)
53	M.Vazralu	Hybrid Cryptography For Data Safety In The Cloud	INTERNATIONAL JOURNAL OF INNOVATIVE TECHNOLOGY AND RESEARCH Volume No.11, Issue No.2, February – March 2023, 10296 - 10298. (UGC)
54	M.Vazralu	The Arima Algorithm To Model And Predict Cyber Hacking Attacks	INTERNATIONAL JOURNAL OF INNOVATIVE TECHNOLOGY AND RESEARCH Volume No.11, Issue No.2, February – March 2023, 10314 - 10316. (UGC)
55	G.Lavaraju	Predicting The Quality Of The Air In Smart Cities Using A Machine Learning Framework	International journal of innovative technology and research volume no:11,issue no:2,february - March 2023,10311-10313 (UGC)
56	G.Lavaraju	Planning to Implement Deep Learning Techniques for Object Tracking	International journal of innovative technology and research volume no:11,issue no:2,february - March 2023,10327-10329(UGC)

57	Dr. P. Dileep	Machine Leraning - Based Facial Recognition For Video Survelliance System	ICTACT JOURNAL ON IMAGE AND VIDEO PROCESSING, ISSN: 0976-9102, 2023. (UGC)
58	K.Chandusha	Detcetion Of Vehicle Parking Using Maskrcnn	GIS Science Journal,Volume 10,Issue 4,Dec 2023, Pages 441-444 (UGC)
59	K.Chandusha	SENTIMENT ANALYSIS USING IMPROVED LONG SHORT-TERM MEMORY (https://www.researchgate.net/publication/376520106_SENTIMENT_ANALYSIS_USING_IMPROVED_LONG_SHORT-TERM_MEMORY?_tp=eyJjb250ZXh0Ijp7ImZpcnN0UGFnZSI6InByb2ZpbGUiLCJwYWdlIjoicHJvZmlsZSJ9fQ)	GIS Science Journal,Volume 10,Issue 4,Dec 2023, Pages 437-440 (UGC)
60	K.Chandusha	An Improved DNA Sequencing Using Advanced Machine Learning and Deep Learning Techniques (https://www.researchgate.net/publication/376520110_An_Improved_DNA_Sequencing_Using_Advanced_Machine_Learning_and_Deep_Learning_Techniques?_tp=eyJjb250ZXh0Ijp7ImZpcnN0UGFnZSI6InByb2ZpbGUiLCJwYWdlIjoicHJvZmlsZSJ9fQ)	Science,Technology&Development,Volume XII, Issue III,March 2023,Pages:182-189 (UGC)
61	P Andrews Hima Kiran	Fake News Detection	International Research Journal Of Modernization In Engineering Technology And Science (IRJMETS), Volume 06, Issue 03, March 2024 (UGC)
62	P.A. Hima Kiran	DEEP LEARNING BASED NETWORK AND HOST INTRUSION DETECTION SYSTEM	International Research Journal Of Modernization In Engineering Technology And Science (IRJMETS), Volume 06, Issue 02, February 2024 (UGC)
63	Dr M V Kamal	Prospects, Use Cases, and Pitfalls of Blockchain as a Cyber Defense	European Journal of Molecular & Clinical Medicine (UGC)
64	Dr M V Kamal	Blockchain-Based Electronic Coupon Service for Safety and Convenience	European Journal of Molecular & Clinical Medicine (UGC)
65	Vishwanath R. Singireddy	Line-Constrained k-Semi-Obnoxious Facility Location	arXiv preprint arXiv:2307.03488, oct 2023
66	Dr Sujatha	Federated Learning Management's platform to Optimize Mobile Collaboration	Mukt Shabd Journal,Volume XII,Issue XI, Nov 2023 (UGC)

NATIONAL/INTERNATIONAL JOURNALS FOR THE ACADEMICYEAR: 2022-2023 SHOWN IN BELOW TABLE 5.8.1.5

Table 5.8.1.5

S.No (http://	Name of the Faculty	Title	Details
1	S. Rahamat Basha	Implementation of Reliability Antecedent Forwarding Technique Using Straddling Path Recovery in Manet	Wireless Communications and Mobile Computing, vol. 2022, Article ID 6489185, 9 pages, 2022. May-2022, ISSN: 1530-8677 (SCIE)
2	Dr. P. Dileep	An automatic heart disease prediction using cluster-based bi-directional LSTM (C-BiLSTM) algorithm	Neural Computing and Applications, ISSN: 0941-0643, 2022. (SCIE)

3	Dr. P. Dileep	Water atom search algorithm-based deep recurrent neural network for the big data classification based on spark architecture	International Journal of Machine Learning and Cybernetics, ISSN: 2297-2312, 2022. (SCIE)
4	Dr. P. Dileep	An Artificial Intelligence-Based Reactive Health Care System for Emotion Detections	Computational Intelligence and Neuroscience, ISSN: 1687-5273, 2022. (SCIE)
5	Dr. P. Dileep	Implementation of Artificial Neural Network to Predict Diabetes with High-Quality Health System	Computational Intelligence and Neuroscience, ISSN: 1687-5273, 2022. (SCIE)
6	Dr. P. Dileep	COVID-19 Future Forecasting Using Supervised Machine Learning Models	NEUROQUANTOLOGY, ISSN: 1303-5150, 2022. (SCOPUS)
7	Dr. P. Dileep	Implementing Bio Inspired Algorithms for Prediction of Heart Disease	NEUROQUANTOLOGY, ISSN: 1303-5150, 2022. (SCOPUS)
8	Dr. P. Dileep	AI-based big data analytics model for medical applications	Measurement: Sensors, ISSN: 2665-9174, 2022. (SCOPUS)
9	Dr.G.Sharada	An Approach for Machine-First Incident Management	Grenze International Journal of Engineering & Technology (GIJET), 2023, Vol 9, Issue 1, p588 (SCOPUS)
10	Dr.A.V.H Sai Prasad	A Novel Dynamic Optimization Technique for Finding Optimal Trust Weights in Cloud	KSII Transactions on Internet and Information Systems Vol. 16, No. 6, Jun. 2022, Scopus/SCIE ISSN : 1976-7277 PP:2060-2073 (SCOPUS)
11	T.Shilpa	Utilizing Multi stage Attestation for secure Cloud Data Retreival	International Journal for Research in Applied Science & Engineering Technology (IJRASET) ISSN: 2321-9653; IC Value: 45.98; SJ Impact Factor: 7.538 Volume 11 Issue IV Apr 2023 PAGE NO:146-149 (SCOPUS)
12	S. Rahamat Basha	Investigation on thermal properties of tamarind shell particles reinforced hybrid polymer matrix composites	Materials Today-Proceedings,Volume 59, Part 2, 2022, Pages 1305-1311, Dec-2022 ISSN: 1369-7021 (SCOPUS,WOS)
13	D.Radha	Correlation based data unificationfor personality based triat predection	ISSN: 2502-4752, DOI: 10.11591/ijeecs.v29.i1.pp404-411 (SCOPUS)
14	G Ravi	Forecasting Stock Exchange Trends For Discrete & Non-Discrete Inputs Using Machine Learning & Deep Learning Techniques	Soft Computing and Signal, 2022 - Springer,Electronic ISSN:2190-3026,Print ISSN:2190-3018,SIST,volume 313,pp 449–460 (SCOPUS)
15	G Ravi	Efficiency Optimization of Security and Safety in Cooperative ITS Communication for QoS Service	Smart Innovation, Systems and Technologies, 2022 - Springer, Electronic ISSN:2190-3026,Print ISSN:2190-3018 (SCOPUS)
16	Dr Sujatha	Joint Detection and Classification of Signature and NetFlow based Internet worms using MBGWO-based hybrid LSTM”	Journal of Computer Virology and Hacking Techniques, August 2022.
17	Dr Sujatha	Deep Learning CNN Framework for Detection and Classification of Internet worms	Journal of Interconnection Networks,,Vol 22,2022.

2. CONFERENCE PUBLICATIONS

NATIONAL/INTERNATIONAL CONFERENCES FOR THE ACADEMICYEAR: 2024-2025 SHOWN IN BELOW TABLE 5.8.1.6

TABLE 5.8.1.6

S.No	Name of the Faculty	Title	Details
1	Swetha Koduri	Novel Approach for the Extraction of Keywords from Text Document	International Conference on Social and Sustainable Innovations in Technology and Engineering (SASI-ITE) 979-8-3503-6079-0/24/$31.00 ©2024 IEEE DOI 10.1109/SASI-ITE58663.2024.00057
2	Gurrala Swetha	Driver Drowsiness Detection and Alert System	International Conference on Hybrid and Advanced Technologies -2024 held on 26th to 28th April 2024 at QIS College of Engineering and Technology
3	Dr.A.Mummoorthy	Multicentre Trial: VR-AI Therapy for Neurodevelopment in Children with Mental Disorders	Proceedings of ICSCSP 2024, Springer Lecture Notes in Networks and Systems Volume 1, June 2024
4	Dr.A.Mummoorthy	Final Year Project Management System to monitor student performance	International Conference - 07th May 2024 at Al-Ameen Engineering College (Autonomous) Erode.
5	Dr.A.Mummoorthy	Enhanced Accident Detection in Low-Light Conditions Through Analysis of CCTV footage in real-time	Proceedings of ICSCSP 2024, Springer Lecture Notes in Networks and Systems Volume 1, June 2024
6	P.V. Naresh	Analysis On Classification of Coronavirus Disease 19 From Radiography Medical Images (Computed Tomography & X-Rays) With Deep Learning	2023 IEEE Renewable Energy and Sustainable E-Mobility Conference, RESEM 2023, 2023
7	P.V. Naresh	A Study on Sign Language Recognition-A Literature Survey	Lecture Notes in Electrical Engineering, 2020, 601, pp. 745–752
8	Dr. P Dileep	A Comparative Study on Water Quality Prediction using Machine Learning and Deep Learning Techniques	Third International Conference on Distributed Computing and Electrical Circuits and Electronics, 2024, 979-8-3503-1860-9/24, IEEE Xplore
9	Dr. P Dileep	A Neural Network Approach for Predicting Air Quality Forecasting in Smart Cities Based on ST-LSTM Technique	International Conference on Intelligent Algorithms for Computational Intelligence Systems, 2024, 979-8-3503-6066-0/24, IEEE Xplore
10	Dr. P Dileep	The Importance of Early Detection and Risk Assessment for Chronic Disease Based on IF-ORBF-DA Approach	1st International Conference on Electronics, Computing, Communication and Control Technology, ICECCC 2024, IEEE Xplore
11	Mahendar Jinukala	Crop Identification and Disease Detection by Using Convolutional Neural Networks	Advanced Informatics for Computing Research
12	Swathi Madireddy	DETECTION OF HEALTHY AND DISEASED PLANT LEAF BASED ON ALEXENET CONVOLUTION NEURAL NETWORK USING DEEP LEARNING	2024 Ninth International Conference on Science Technology Engineering and Mathematics (ICONSTEM)
13	Dr M Narendra	The Applications and Effect of Block Chain on E-Commerce Industry	IEEE Xplore Part Number : CFP24VG0-ART
14	Dr. N. Satheesh Kumar	A Systematic Review on Predicting Skin Cancer Disease Using Deep Learning	International Conference on Disruptive Technologies in Computing and Communication Systems
15	Dr.A.Mummoorthy	Real-Time Violence Detection and Alert System using MobileNetV2 and Telegram Bot	Proceedings of ICSCSP 2024, Springer Lecture Notes in Networks and Systems Volume 1, June 2024
16	Dr Sujatha	Comparative Research Based on Internet Worms	Proceedings of the International Conference on Computational and Emerging Trends (ICCIET 2024)
17	Dr.G.L.N.Jayaprada	A Novel Ensembled Enabled Edge Computing Model for Precision Crop Recommendation	2024 International Conference on Advances in Computing, Communication and Applied Informatics (IEEE Conference)

18	Dr.THOTA SIVA RATNA SAI	Leveraging an Ensemble Time Series Rainfall Forecasting System by Employing Neural Prophet and BiLSTM	2024 10th International Conference on Advanced Computing and Communication Systems (ICACCS)
19	Dr.A.V.H. Sai Prasad	Cloud Based Data Storage That Guarantes Confidentiality and Anonymity	Advances in cyber Security and Digital Forensics
20	Talluri Haribabu	A Hybrid Time Series Rainfall Prediction Model using Neural Prophet and LSTM	Proceedings of the International Conference on Self Sustainable Artificial Intelligence Systems (ICSSAS 2023) IEEE Xplore Part Number: CFP22DN7-ART; ISBN: 979-8-3503-
21	Goteti Deepthi	An Approach to Integrate Reinforcement Learning in Wireless Sensor Network to Evade Congestion	International Conference on Sustainable Communication Networks and Application (ICSCNA), IEEE ISBN: 9798350313994
22	Goteti Deepthi	Optimal Path Identification to resist Congestion through Applying Intelligence to Software Defined Network	ICCPSC-2024 ISSN: 2367-3370
23	Mr. M. Vamsi Krishna	Enhancing Gestational Diabetes Prediction through Deep Learning and Traditional ML Techniques	First IEEE International Conference for Women in Engineering (INCOWOCO 2024)
24	Md Azhar	Integrated Aqua with Paddy analysis for pisciculture using reinforcement learning	International Conference on IOT based control Networks and Intelligent Systems(ICICNIS-2024)
25	Md Azhar	Wrapper based feature selection for Enhanced intrusion detection using Random forest classification	International Conference on IOT based control Networks and Intelligent Systems(ICICNIS-2024)
26	Dr M Gayatri	Smart Garbage Classification Using Cutting Edge Technology (VGG-16)	2024 International Conference on Emerging Techniques in Computational Intelligence (ICETCI)
27	Dr M Gayatri	An intelligent surgical video retrieval for computer vision enhancement in medical diagnosis using deep learning techniques	2024 International Conference on Emerging Techniques in Computational Intelligence (ICETCI)

NATIONAL/INTERNATIONAL CONFERENCES FOR THE ACADEMICYEAR: 2023-2024 SHOWN IN BELOW TABLE 5.8.1.7

Table 5.8.1.7

S. No	Name of the Faculty	**Title**	**Details**
1	Dr.G.Sharada	Development of AI-Based Picture Translation Application	Proc. Of National Conference on Recent Advancements in Computing, Communication & Societal Application, NASA' 19th & 20th April 2023. Page no:36
2	Dr.A.Mummoorthy	Handle the Sybil Attack Using Hash Technique in Vehicular Ad Hoc Networks	Proceedings of ICIMES 2022, Springer Conference, Page:159-165, 21 June 2023, (SIST, volume 334)
3	M.Vazralu	Forecasting Stock Exchange Trends for Discrete and Non-discrete Inputs Using Machine Learning and Deep Learning Techniques	International Conference on Soft Computing and Signal Processing Date:27 June 2023 Page no:449-460 SIST,volume 313
4	M.Vazralu	A Novel Approach to Universal Egg Incubator Using Proteus Design Tool and Application of IoT	International Conference on Soft Computing and Signal Processing Page no:287-296 , SIST,volume 313, 27 June 2023
5	K Sudhakar Reddy	An Efficiency way to analyse Diabetic Retinopathy Detection and Classification using Deep Learning Techniques	3rd International Conference on Advance Computing and Innovative Technologies in Engineering (ICACITE) Date of Conference: 12-13 May 2023 ISBN:979-8-3503-9927-1,

6	K Sudhakar Reddy	Utilising deep learning techniques, detect and categorise diabetic retinopathy	6th International Conference on Soft Computing and Signal Processing, 16 April 2024, Page no:413-424 , ISBN: 9819986273, Volu.1.
7	P.V Naresh	Analysis On Classification of Coronavirus Disease 19 From Radiography Medical Images (Computed Tomography & X-Rays) With Deep Learning	IEEE Renewable Energy and Sustainable E-Mobility Conference (RESEM) 17-18 May 2023, ISBN: 9798350311334-2023
8	Dr.K.Suresh	Sentiment Analysis Using Improved Long Short- Term Memory	Gis Science Journal ISSN NO:1869-9391 Pageno:437-440, VOLUME 10, ISSUE 4, 2023
9	Dr.K.Suresh	Detcetion of vehicle parking using mask rcnn	Gis Science Journal ISSN NO : 1869-9391 Page no:441-444, VOLUME 10, ISSUE 4, 2023
10	Dr.K.Suresh	An Improved DNA Sequencing Using Advanced Machine Learning and Deep Learning Techniques	Science, Technology and Development ISSN : 0950-0707, Volume XII, Issue III, MARCH 2023 Page no:182-189
11	Dr. N. Satheesh Kumar	A Systematic Review on Predicting Skin Cancer Disease Using Deep Learning	International Conference on Disruptive Technologies in Computing and Communication Systems, indexed in Scopus, organized by TKR Engineering College during 11th & 12th August 2023
12	Sandeep Agarwalla	Blockchain Technology in Supply Chain management: Prospects and Challenges.	10th IEEE Uttar Pradesh Section International Conference on Electrical, Electronics and Computer Science Dec 2023 ISBN : 979-8-3505-8247-1
13	G Ravi	Identifying Unauthorized Transactions On Credit Cards By Using Machine Learning Methodologies	International Journal of Innovative Technology and Research(IJITR),Volume-11,Issue-2,Pages:10276 - 10279
14	Dr. P Dileep	MDC-Net: Intelligent Malware Detection and Classification using Extreme Learning Machine	Third International Conference on Artificial Intelligence and Smart Energy (ICAIS 2023),IEEE Xplore
15	Dr. M V Kamal	Software Defects Prediction using Machine Learning Algorithms	Intelligent Systems and Sustainable Computing, Smart Innovation, Systems and Technologies (ICISSC), Oct 2023, ISBN 978 -981-99-4717-1
16	Dr. M Gayatri	Design and Implementation of Smart Home Automation System Using the Proteus Design Tool	Intelligent Manufacturing and Energy Sustainability,2023,2190-3018
17	Dr. Dr. I. Nagaraju	MDC-Net: Intelligent Malware Detection and Classification using Extreme Learning Machine	ICSSIT,ISBN:978-1-6654-6216-7, 2023
18	Suneetha Vazrala	Literature Preprocessing, Term Weighting, Similarity Check, and Language Modeling to Improve Relevance Query Performance Accuracy on Medical Abstracts	Intelligent Systems and Sustainable Computing,Smart Innovation, Systems and Technologies(ICISSC),oct 2023
19	Suneetha Vazrala	BRAIN TUMOR DETECTION FROM MRI IMAGES USING CNN	International Journal of Engineering Science and Advanced Technology (IJESAT),St. Martin's Engineering College,Feb 2024
20	P Satyavathi	Resource Allocation Using Improved Grey Wolf and the Ant Colony Optimization Using in Cloud Environment.	ICONSTEM,Jeppiar Engineering College,june 2024
21	Dr. M Gayatri	MDC-Net:Intelligent Malware Detection and Classification using Extreme Learning Machine.	ICSSIT, ISSN:978-1-6654-6216-7, 2023
22	Dr. M V Kamal	MDC-Net:Intelligent Malware Detection and Classification using Extreme Learning Machine	ICSSIT, ISSN:978-1-6654-6216-7, 2023

23	Vishwanath R Singireddy	Algorithms for k-Dispersion for Points in Convex Position in the Plane	Conference on Algorithms and Discrete Applied Mathematics, Springer International Publishing. 2023/1/26

NATIONAL/INTERNATIONAL CONFERENCESFOR THE ACADEMICYEAR: 2022-2023 SHOWN IN BELOW TABLE 5.8.1.8

TABLE 5.8.1.8

S.No	Name of the Faculty	Title	Details
1	Dr.G.Sharada	An Approach for Machine-First Incident Managemen	Proc. of Int. Conf. on Computing Electrical and Electronics Engineering,
2	G.Likitha	A Deep Learning Framework for Classification of Hyperspectral Images	2nd International Conference on Sentiment Analysis and Deep Learning,1 January 2023,Page no:173-181, AISC,volume 1432
3	Dr. S. Rahamat Basha	An Improved Decision Tree Classification Approach for Expectation of Cardiotocogram	International Conference on Computational Intelligence, Data Science and Cloud Computing, Lecture Notes on Data Engineering and Communications Technologies 62, https://doi.org/10.1007/978-981-33-4968-1_26. Springer Nature Singapore Pte Ltd. 2022.
4	Dr. S. Rahamat Basha	An Experimental Investigation of PCA-Based Intrusion Detection Approach Utilizing Machine Learning Algorithms”	International Conference on Mobile Computing and Sustainable Informatics (ICMCSI) organized by Tribhuvan University, Nepal on 29-30 Jan 2022.
5	N. Satheesh Kumar	Prediction of Diabetic Patients with high risk of readmission using smart decision support framework	IEEE Second international Conference on Electronics and Renewable Systems (ICEARS – 2023), 2nd to 4th March 2023.
6	N. Satheesh Kumar	Convolution Neural-Network-Based Multimodal Disease Risk Prediction Algorithm Using Unstructured and Structured Data	Elsevier SSRN (ISSN : 1556-5068), June 2022. Proceedings of the International Conference on Innovative Computing & Communication (ICICC) 2022, Available at SSRN: https://ssrn.com/abstract=4148287
7	Sandeep Agarwalla	Investigating the Role of Block Chain to secure Identity in IoT for Industrial automation	IEEE Conference on System Modeling & Advancement in Research trends Dec 2022 ISBN: 978-1-6654-8734-4
8	Sandeep Agarwalla	Blockchain Technology in Supply Chain management: Prospects and Challenges.	IEEE Uttar Pradesh Section International Conference on Electrical, Electronics and Computer Science Dec 2023 ISBN : 979-8-3505-8247-1
9	G Ravi	A Protected And Lightweight Data Distribution Program For Mobile Cloud Computing	International Journal of Innovative Technology and Research,Volume-10,Issue-No 2
10	G Ravi	Review on Data Aggregation Techniques in Internet of Things	International Journal of Computer Engineering In Research Trends(IJCERT),Volume-8,Issue-12,Pages:236-242.
11	Dr. P Dileep	Machine Learning Approach to Patient Health and Stress Monitoring System	MysuruCon, 978-1-6654-9790-9, Oct 2022.
12	Dr. P Dileep	Detailed analysis of Machine Learning and Deep Learning technologies for Web Security	IC3I, 979-8-3503-9826-7, Dec 2022.

13	Dr. P Dileep	A Novel Approach for Providing Security for IoT Applications Using Machine Learning and Deep Learning Techniques	Intelligent Systems and Sustainable Computing,Smart Innovation, Systems and Technologies(ICISSC),May 2022,ISBN 978-981-19-0011-2
14	Dr. P Dileep	Exploring Graph Embeddings for making recommendations using Graph Neural Networks	International Conference on Applied Artificial Intelligence and Computing ICAAIC,IEEE Xplore
15	Dr. P Dileep	Mining Challenger from Bulk Preprocessing Datasets	International Conference on Soft Computing and Signal Processing, Springer
16	Dr. M V Kamal	A Novel Approach for Providing Security for IoT Applications Using Machine Learning and Deep Learning Techniques	Intelligent Systems and Sustainable Computing,Smart Innovation, Systems and Technologies(ICISSC),May 2022,ISBN 978-981-19-0011-2
17	Dr. M Gayatri	A Novel Approach for Providing Security for IoT Applications Using Machine Learning and Deep Learning Techniques	Intelligent Systems and Sustainable Computing,Smart Innovation, Systems and Technologies(ICISSC),May 2022,ISBN 978-981-19-0011-2
18	Dr. S Vishwanath Reddy	Dispersing Facilities on Planar Segment and Circle Amidst Repulsion	Proceedings of the 18th International Symposium on Algorithmic of Wireless Networks (ALGOSENSORS 2022), Potsdam, Germany, Sep 8-9, LNCS 13707, pp. 138-151, 2022.
19	Dr. S Vishwanath Reddy	Algorithms for k-Dispersion for Points in Convex Position in the Plane	Proceedings of the 9th Annual International Conference on Algorithms and Discrete Applied Mathematics (CALDAM 2023), Gandhinagar, India, Feb 9-11, LNCS 13947, pp. 59-70, 2023.

3. Patents Published

LIST OF PATENTS FILED SHOWN IN BELOW TABLE 5.8.1.9

TABLE 5.8.1.9

S. No	Name of the Faculty	Title of the patent	Patent Number	Year of Award / publish of patent
1	Dr. D.Sujatha	A Deep Learning based Adaptive Image Processing System for Autonomous Object Recognition and Classification	202441088597 A / 22/11/2024	2024
2	Dr. D.Sujatha	Automated Image Feature Extraction and Classification System Using Reinforcement Learning in Medical Imaging	202441088596 A /22/11/2024	2024
3	Dr. G. Sharada	Deep Learning-Powered Image Recognition and Path Planning System for Autonomous Vehicles in 5G-Enabled Smart Cities	202441087355 A 22/11/2024	2024
4	Dr. G. Sharada	Deep Learning-Powered Image Recognition and Path Planning System for Autonomous Vehicles in 5G-Enabled Smart Cities	202441087355 A 22/11/2024	2024
5	Dr. M V Kamal	Machine Learning-Enabled Dynamic Image Quality Enhancement for Augmented Reality Applications in 5G Networks	202441088305 A	2024

6	Swetha Koduri	Iml Traffic Prediction: Intelligent Traffic Prediction Using Machine Learning.	202041027655	2020
7	Dr P Dileep	AI BASED HEART DISEASE PREDICTION DEVICE	6361984	2024
8	Dr P Dileep	LIGHT WEIGHT DEEP LEARNING BASED TRUST MANAGEMENT MODEL FOR CLOUD ASSISTED FOG SYSTEMS	202441027374 A	2024
9	Dr P Dileep	AI BASED DEVICE FOR CANCER CLASSIFICATION AND PREDICTION	6397764	2024
10	Dr P Dileep	E-Commerce Fraud Detection Device	6397766	2024
11	Dr P Dileep	Machine Learning-Enabled Dynamic Image Quality Enhancement for Augmented Reality Applications in 5G Networks	202441088305 A	2024
12	Dr. S. Shanthi	AI-Enhanced Image Segmentation Method for Real-time Medical Diagnostics Using Machine Learning Algorithms	202441088304 A ,Date of filing of Application :14/11/2024 Journal No. 47/2024 Dated 22/11/2024	2024
13	Dr. S.Rahamat Basha	AI-Enhanced Image Segmentation Method for Real-time Medical Diagnostics Using Machine Learning Algorithms	202441088304 A ,Date of filing of Application :14/11/2024 Journal No. 47/2024 Dated 22/11/2024	2024
14	Dr. N. Satheesh Kumar	Hybrid Machine Learning System for Noise Reduction and Super Resolution in Biomedical Imaging and method thereof	202441088306 A	2024
15	Dr.A.Mummoorthy	Monkey pox detection with an improved vgg16 and a cnn model	202441035624 A	2024
16	Sandeep Agarwalla	AI-optimized solar-powered EV charging stations	Design No : 428139-001 (Dated : 25/08/2024) Indian Design Patent	2024
17	DR. I NAGARAJU	A System For Emission Related Transaction Validation And Capture Via Blockchain Network	202211035922A	2023
18	Dr.A.Mummoorthy	Virtual Assistant For Aged People using Context Based web of Things	202341015170 A	2023
19	Dr.A.V.H SAI PRASAD	Implementation and Evaluation of a Trust Model using Heuristic Techniques in Cloud	202341013049A	2023
20	Vazralu M	Intelligent digital door lock system with facial recognition built on the internet of things	202341016646	2023
21	Vazralu M	Eye -Gluco a low power non-invasive optical glucose sensing technology for ocular monitoring	202341063744	2023

22	Dr. S. Rahamat Basha	A Solar Security Camera System	Design Number:384594-001, CBR Number:205076, Date of Registration 23/04/2023 Journal Number: 33/2023, Date of Publication:18/08/2023.	2023
23	Dr. S. Rahamat Basha	Electric Cart for Agricultural Purposes	Design No. 6294125, Certificate of Registration for a UK Design, Grant date: 11 July 2023. Publication date 12 July 2023.	2023
24	Sandeep Agarwalla	IOT based smart agriculture for predicting water requirement, live Temperature and humidity monitoring in agriculture sector using Big data and machine learning	Application No : 202341068914 (Dated : 03/11/2023)Journal No. 44/2023 Indian Patent	2023
25	Dr P Dileep	Machine Learning Based Approach To Study The Positive Aspects Of Various Bioenergy Systems	202341013318A	2023
26	Dr P Dileep	Capsule for Housing Electro-Medical Equipment for Radio-diagnosis	6277522	2023
27	Dr P Dileep	MACHINE LEARNING EMBEDDED HEART HEALTH MONITORING DEVICE	392428-001	2023
28	Dr P Dileep	Heart Disease Prediction Device	388582-001	2023
29	Dr P Dileep	IMPACT OF SMART CLASSROOM IN EDUCATIONAL INSTITUTION USING IOT	202341045183 A	2023
30	DR. I NAGARAJU	A Risk Analysis And Mitigation With Nested Machine Learning Models For Exam Registration And Delivery Processes	202211042209A	2023
31	Dr.Suresh Kurumalla	A System for Detecting Block chain SMS Posting Bot Based on Machine Learning and Method Thereof	202241047928 A	2022
32	Likitha Gongalla	Supply Chain coordination in the Internet of Things for fresh Agricultural Products	202241013174 A	2022
33	Dr. S. Rahamat Basha	IoT Based Sound Pollution Monitoring System	Application No. 202241041687, The Patent Office Journal No. 30/2022 Date of Publication 29/07/2022.	2022

34	Sandeep Agarwalla	Artificial Intelligence based Automatic Health care system to detection and prevention of all kinds of Cancer and Chronic disease at early stage using Machine Learning and Deep Learning Algorithm for Healthy Life	Application No : 202241043340 (Dated: 28/07/2022)Journal No. 31/2022 Indian Patent	2022
35	Sandeep Agarwalla	An investigation of consumers shift toward e-commerce and m-commerce	Application No : 202221052607 (Dated: 15/09/2022) Journal No. 38/2022 Indian Patent	2022
36	Dr P Dileep	AN ARTIFICIAL INTELLIGENCE ENABLED SECURE BLOCKCHAIN SYSTEM FOR HEALTHCARE APPLICATION	2022/10196	2022
37	Dr P Dileep	A SYSTEM FOR EMISSION RELATED TRANSACTION VALIDATION AND CAPTURE VIA BLOCKCHAIN NETWORK AND METHOD THEREOF	202211035922 A	2022
38	Dr P Dileep	A RISK ANALYSIS AND MITIGATION WITH NESTED MACHINE LEARNING MODELS FOR EXAM REGISTRATION AND DELIVERY PROCESSES	202211042209 A	2022
39	Dr P Dileep	A SYSTEM FOR DETECTING BLOCKCHAIN SMS POSTING BOT BASED ON MACHINE LEARNING AND METHOD THEREOF	202241047928 A	2022
40	Dr P Dileep	ML strategy for performance enhancement of phase change material for a smart control solar application	202241059633 A	2022
41	Dr P Dileep	KNOWLEDGE BASED SYSTEM USING AI AND ONTOLOGY FOR SENTIMENT ANALYSIS OF RAILWAYS TWEETS	202241075963 A	2022
42	DR. I NAGARAJU	An Artificial Intelligence Enabled Secure Blockchain System For Healthcare Application	202211042209A	2022
43	DR. I NAGARAJU	AI BASED DEVICE FOR CANCER CLASSIFICATION AND PREDICTION	6397764	2022
44	Dr. S. Shanthi	An Artificial Intelligence & Machine learning based Internet of Things enabled Virtual shop Interface having Robotic Means,	1193880, Published on 06 June 2022,Canadian patent.	2022
45	Vazralu M	Protection of medical documents using Blockchain Technology	202141014709 A	2021
46	Dr.G.Sharada	Protection of medical documents using Blockchain Technology	202141014709 A	2021
47	K Sudhakar Reddy	Protection of medical documents using Blockchain Technology	202141014709 A	2021
48	Swetha Koduri	Protection of medical documents using Blockchain Technology	202141014709 A	2021

49	Dr.A.Mummoorthy	protection of medical documents using block chain technology	202141014709 A	2021
50	Dr.A.Mummoorthy	High-End Minutiae-Based Securing System	202141001345 A	2021
51	Dr.A.Mummoorthy	Bio-micro-electro-mechanical system (bio-mems) form maternal mortality reduction(mmr)	202141046376A	2021
52	Dr. S. Rahamat Basha	Artificial Intelligence based Automated Material Management System	Application No. 202141024010, The Patent Office Journal No. 25/2021 Date of Publication18/06/2021.	2021
53	Dr. S. Rahamat Basha	Machine Learning based Image Processing System to analyze Human Skin Quality	Application No. 202141019750, The Patent Office Journal No. 19/2021 Date of Publication 07/05/2021	2021
54	N. Satheesh Kumar	IoT and Bigdata Based Smart Hydroponic Farming using Aquaculture	Application number 202141050138A, published on Nov 19, 2021	2021
55	N. Satheesh Kumar	Method for energy efficient routing using support vector machine in wireless sensor networks	Application number 202141055011, published on Dec 10, 2021.	2021
56	Dr P Dileep	ADVANCED ARTIFICAL INTELLIGENCE BASED CLINICAL DECISION SUPPORT SYSTEM FOR HEART DISEASE PREDICTION	202141000933 A	2021
57	Dr P Dileep	ACTION AND GESTURE RECOGNITION SYSTEM FOR CHILDREN WITH CEREBRAL PALSY DISEASE	202141013379 A	2021
58	Dr P Dileep	APPROXIMATE COMPUTING IN ARTIFICIAL INTELLIGENCE TECHNIQUES FOR CLOUD	202141013915 A	2021
59	Suneetha Vazarla	ACTION AND GESTURE RECOGNITION SYSTEM FOR CHILDREN WITH CEREBRAL PALSY DISEASE	202141013379 A	2021
60	Dr. S. Shanthi	Automated Food Freshness Detection Using Feature Deep Learning	2020100953 (Australian Patent), Application Date: 01/07/2020.	2020
61	Dr. S. Rahamat Basha	Borewell Rescue System using Supervised Learning Techniques,	Application No.202041043122 A, The Patent Office Journal No. 42/2020 Date of Publication 16/10/2020.	2020

4. Books / Book Chapters Published

LIST OF BOOKS / BOOK CHAPTERS PUBLISHED SHOWN IN BELOW TABLE 5.8.1.10

TABLE 5.8.1.10

S. No	Name Of Books /Monograph	Year Of Publication	Publishers
1	Object Oriented Analysis And Design, Dr. A.Mummoorthy, Dr.A.Saraswathi,D.Rajagopal & Pavithra, Notion Press; 1st Edition (31 August 2021) (Isbn-10 : 1685540090, Isbn-13 : 978-1685540098),India.	2021	Notion Press
2	Distributed System Dr. A.Mummoorthy, Dr.A.Saraswathi,D.Rajagopal & Pavithra, Notion Press; 1st Edition (31 August 2023) (Isbn-10 : Isbn- 000-000051032-4) India.	2023	Notion Press
3	Computer Networks Dr. A.Mummoorthy, Dr.A.Saraswathi,D.Rajagopal & Pavithra, Notion Press; 1st Edition (31 August 2023) (Isbn-10 : Isbn- 000-000051020-2) India	2023	Notion Press
4	M Sai Krishna Murthy "Advances In Science And Technology Volume Iii" (Isbn: 978-93-88901-49-9)	2023	Bhumi Publishing
5	Dr.A.V.H. Saiprasad, Dr.K. Suresh,K.Chandusha "Cloud Based Data Storage That Guarantees Confidentiality And Anonymityin Advances In Cyber Security And Digital Forensics Isbn:978-93-5747-536-5, Iip Series In 2024	2024	Iip Series
6	Dr.A.V.H Sai Prasad- Database Systems: Concepts And Applications. Isbn:978-93-6132-649-3	2024	Scientific International Publishing House(Siph)
7	"Introduction To Artificial Intelligence And Deep Learning"	2024	Scientific International Publishers
8	Advances And Concerns In Agricultural And Environmental Information Systems In Society 5.0	2024	New Delhi Publisher With Isbn: 978-81-19006-36-6, 2024.
9	Learning Mastery: A Hands-On Approach To Machine Learning And Data Science	2024	Blue Duck Publications, Isbn: 978-81-19463-24-4, Jan 2024.
10	Impact Of Deep Learning In Agriculture: Opportunities And Challenges" In Book Entitled "Advances And Concerns In Agricultural And Environmental Information Systems In Society 5.0	2024	New Delhi Publisher With Isbn: 978-81-19006-36-6, 2024.

11	A Systematic Review On Predicting Skin Cancer Disease Using Deep Learning” In Book Entitled “Disruptive Technologies In Computing And Communication Systems”	2023	Scopus Tayler & Francis Isbn 9781032665474
12	An Efficient Iot Framework For Patient Monitoring And Predicting Heart Disease Based On Machine Learning Algorithms	2022	Scopus, Wiley Https://Doi.Org/10.1002/9781119841937.Ch8
13	Cyber Security	2022	Himalaya Publishing House (Isbn No: 978-93-5596-263-8) (Mar 2022)
14	Fundamentals Of Information Technology	2023	Himalaya Publishing House (Isbn No: 978-93-5840-072-4) (Sept 2023)
15	Problem Solving Using C	2024	S Publisher (Isbn : 978-93-93401-93-9) (Jan 2024)
16	A Book Chapter On Drone/Uav Design Development Is Important In A Wide Range Of Applications: A Critical Review	2023	Wiley
17	A Book Chapter On Cloud Analytics For Industry 4.0	2022	De Gruyter
18	A Book Chapter On Social Network Analysis	2022	Wiley
19	"A Book On Fundamentals Of Machine Learning"	2022	Scientific International Publishing House
20	"A Book On Beginning Data Science In R, Visualization, And Modelling"	2022	Notion Press
21	"A Book On Blockchain Technology:Keysights & Concepts"	2023	Scientific International Publishing House
22	A Book Chapter On Machine Learning & Its Applications	2022	Lambert Academic Publishing
23	"A Text Book On Machine Learning For Healthcare"	2024	Rk Publications
24	"A Text Book On Research Methodology And Ipr"	2024	Rk Publications
25	"A Text Book On Cracking The Coding Interview"	2024	Rk Publications
26	A Book Chapter On Self-Powered Wearable Implantable Smart Sensor And Medical Electronics Based On Nanogenerator	2024	Academic Press
27	A Book Chapter On Stereo Vision Subsystem And Scene Segmentation Self-Steering Tractors In Smart Agriculture	2024	Wiley
28	Learning Mastery: A Hands-On Approach To Machine Learning And Data Science	Jan-24	Blue Duck Publications
29	Advances And Concerns In Agricultural And Environmental Information Systems In Society 5.0	Aug-24	New Delhi Publishers
30	Data Science	Mar-24	Innovative Integration: Bridging Iot, Environment And Security In The Digital Age
31	Cloud Computing	Aug-22	Notion Press
32	Cryprography And Network Security	Aug-22	Charulatha Publications

33	Data Warehousing And Data Mining	Aug-22	Charulatha Publications
34	Cloud Analytics For Industry 4.0	2022	De Gruyter
35	Machine Learning & Its Applications	2022	Lambert Academic Publishing
36	Drone/Uav Design Development Is Important In A Wide Range Of Applications: A Critical Review	2023	Wiley
37	Machine Learing & Its Concept	2022	Scholars Press
38	Cryptography And Network Security	2022	Charulatha Publications
39	A Book On "Introduction To Problem Solving And Python Programing	2021	South Aisan Academic Publication
40	Cloud Analytics For Industry 4.0	2022	De Gruyter
41	Drone/Uav Design Development Is Important In A Wide Range Of Applications: A Critical Review	2023	Wiley
42	A Book On "Introduction To Problem Solving And Python Programing	2021	South Aisan Academic Publication
43	A Text Book On Cloud Computing	2022	Notion Press
44	A Text Book On Cryptography And Network Security	2022	Charulatha Publications
45	A Text Book On Data Mining And Data Warehousing	2022	Charulatha Publications
46	Drone/Uav Design Development Is Important In A Wide Range Of Applications: A Critical Review	2023	Wiley

5. Ph.D. Guiding

List Of Faculty Members Guiding Ph.D. Students Shown in Below Table 5.8.1.11

Table 5.8.1.11

S. No.	Name of the Scholar	Name of the Guide/Co-Guide	University Registered
1	Mr Gavineni Venkata Durga Prasad	Dr Sujatha	Lincoln University College, Malaysia
2	S.Guru Jyothi	Dr Sujatha	Malla Reddy University,Hyderabad
3	Nampalli Radhika	Dr Sujatha	Malla Reddy University,Hyderabad
4	Radhika	Dr. G. Sharada	Malla Reddy University, Hyderabad
5	Mr. Raju Amireddi	Dr. P Dileep	Malla Reddy University, Hyderabad
6	G Rohini Phaneendra Kumari	Dr M V Kamal	Malla Reddy University, Hyderabad
7	Yannam Appa Rao	Dr M V Kamal	Malla Reddy University, Hyderabad

8	K. Srilatha Reddy	Dr. N. Satheesh Kumar	Chaitanya (Deemed to be University), Hyderabad
9	D. Praneeth	Dr. N. Satheesh Kumar	Chaitanya (Deemed to be University), Hyderabad
10	M. Govind Poddar	Dr. N. Satheesh Kumar	SunRise University, Alwar, Rajastan
11	Deepthi Bodupally	Dr. S. Shanthi	Malla Reddy University, Hyderabad
12	Dogga Aswini	Dr. S. Shanthi	Malla Reddy University, Hyderabad
13	S. Tirupati Rao	Dr. P Dileep	GIET University, odisha

6. Ph.D. awarded

List of Faculty Members recently Ph.D. awarded Shown in Below Table 5.8.1.12

Table 5.8.1.12

S. No.	Name of the Faculty	Year
1	G Ravi	2024
2	VISHWANATH REDDY SINGIREDDY	2024
3	M. SAMBASIVUDU	2023
4	M. GAYATRI	2023
5	V.L. PADMALATHA	2023
6	SATHEESH KUMAR NAGINENI	2023
7	BALASANI VENKATA RAMUDU	2023
8	V. SANGEETHA	2023

7. Pursuing PhD

List of the Faculty Members pursuing PhD Shown in Below Table 5.8.1.13

Table 5.8.1.13

S.No.	Name of the Staff	Year of Registration	Name of the University & Place	Registration No.	Domain

1	R Chandra Shekhar	2016	HCU	16MCPC07	Fog Computing
2	Vazralu Munnangi	2017	VIT	17PHD0234	Deep Learning and Image Processing
3	I Umamaheswara rao	2018	KLU	173030027	Cloud Computing
4	Prameela Naga	2018	OU	201810053077	Image Processing and Deep Learning
5	P.V. Naresh	2018	ANU	1736070079	Image Processing
6	Swetha Koduri	2019	VTU	3BR19PCS03	NLP
7	Likitha Gongalla	2020	VIT	20PHD7009	Deep Learning
8	M. Aishwarya	2022	GITAM	VR21ECENO112016	Image Processing
9	Jaya Sree	2023	NIT	24CSR1P04	Information Security
10	P Dastagiri Reddy	2024	KLU, Vijayawada	2302031065	Machine learning and Deep learning
11	N Siva Kumar	2022	Malla Reddy University, Hyderabad	2232CS010013	Machine learning and Deep Learning
12	Bharathi Niruti	2022	Malla Reddy University, Hyderabad	2232CS010002	NLP
13	Dutta Sai Eswari	2021	GITAM UNIVERSITY VISAKHAPATNAM	122060304054	Network security
14	Guguloth Ravi	2017	Osmania University, Hyderabad	100520173046	WSN-IOT
15	Thathireddy Venkata Ramanamma	2022	KL UNIVERSITY, Hyderabad	2212031009	Machine Learning
16	D.RADHA	2018	Gitam university ,vizag	121860304006	Machine learning
17	V Shilpa	2022	Mallareddy University, Hyderabad	2232CS020007	Data Science
18	K CHANDUSHA	2021	GITAM University, Vishakapatnam	218000406	DEEP LEARNING
19	B SREE SARANYA	2023	Chhattisgarh Swami Vivekanand Technical University	700102223001	Machine Learning
20	Honey Diana P	2022	Malla Reddy University, Hyderabad	2232CS010006	Machine Learning
21	SUNIL BOLLAM	2021	Bharath Institute of Higher Education and Research (BIET), Chennai	D21CS004	Cloud computing
22	Suneetha Vazrala	2021	Malla Reddy University	2132CS010006	ML
23	M Swathi	2024	KLU- Vijayawada	2312031066	Data Science
24	P Satyavathi	2024	KLU- Hyderabad	ARP2400528	Data Science

25	A Naveen Kumar	2024	KLU- Vijayawada	ARP2400167	AI&ML
26	K Suresh Babu	2024	HINDUSTAN	24CR9020004	ML

8. Awards Received

LIST OF AWARDS RECEIVED BY OUR FACULTY SHOWN IN BELOW TABLE 5.8.1.14

TABLE 5.8.1.14

SNO	Name	Name of Award
1	Dr Sujatha	Academic Leadership-Kasetsart University, Chatuchak, Bangkok, Thailand
2	Dr Sujatha	Excellence in Curriculum Development-DevElet technologies LLP(Registered with MSME & certified EduTech by DPIIT)
3	Dr Sujatha	Best Women Faculty- IASTE- International Association for Science and Technical Education
4	Dr.A.Mummoorthy	Combined Society for educational Research & Development Dehradun, UK, India
5	Dr.A.Mummoorthy	Venus International Faculty Awards-VIFA 2018 India.
6	Dr.A.Mummoorthy	Excellence Teaching in Higher Education Award-2018 awarded by international association for science and technical education - India.
7	Dr.S.Shanthi	IASTE Best Women Faculty-2022 by International Association for Science and Technical Education
8	Dr.P. Dileep	Best Teacher-Nov-2024 by DevElet Technologies LLP.
9	Dr.P. Dileep	Best Innovative Teacher-April 2024 by Knowledge Research Academy
10	Dr.S. Rahamat Basha	Best Teacher-Nov-2024 by DevElet Technologies LLP.
11	Dr.S. Rahamat Basha	Best Innovative Teacher-April 2024 by Knowledge Research Academy
12	P. Dastagiri Reddy	Best Teacher-Nov-2024 by DevElet Technologies LLP.
13	Dr.S.Shanthi	IASTE Best Women Faculty-2022 by International Association for Science and Technical Education
14	Dr M V Kamal	Best Teacher Award by Sridevi Womens Engineering College in 2005 and 2009
15	Dr M V Kamal	Appreciation Award by University of Petroleum and Energy Studies (UPES) in 2015 for Academic Performance
16	Dr M V Kamal	Emerging Educator of the Year 2024 by council for skills & competencies (CSC) in Association with Wadhwani, MSME and DevElet Technologies

9. Scopus Citation

Research Paper Publication Scopus Citation Shown in Below Table 5.8.1.15

TABLE 5.8.1.15

S. No.	Name	SCOPUS
1	DR.S.SHANTHI	147
2	DR. DANDU SUJATHA	27
3	DR.G.SHARADA	4

4	DR. MADADI VIJAYAKAMAL	14
5	Dr. IDIMADAKALA NAGARAJU	1
6	DR. K. SURESH	32
7	DR. A. MUMMOORTHY	35
8	DR. LAKSHMI NAGA JAYAPRADA G	2
9	DR. P. DILEEP	116
10	DR. S. RAHAMAT BASHA	76
11	DR. THOTA SIVA RATNA SAI	8
12	DR. AVH SAI PRASAD	6
13	DR. M. GAYATRI	114
14	DR. P.HARIKRISHNA	129
15	Dr. SATHEESH KUMAR NAGINENI	2
16	DR.VISHWANATH REDDY SINGIREDDY	3
17	DR. LAIPHANGBAM MELINDA	21
18	Dr.G. RAVI	40
19	D. RADHA	1
20	ABDUL SALEEM L	0
21	MUGGU NAGA SIVA GANGADHAR	1
	TOTAL CITATIONS	**779**

10. Google Scholar

Research Paper Publication Google Scholar Citation Shown in Below Table 5.8.1.16

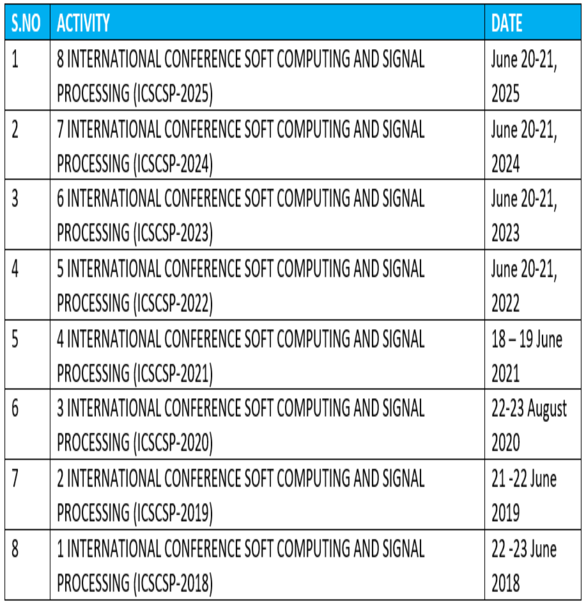
TABLE 5.8.1.16

S. No.	Name	Google Scholar
1	DR.S.SHANTHI	142
2	DR. DANDU SUJATHA	96
3	DR.G.SHARADA	8
4	DR. MADADI VIJAYAKAMAL	48
5	Dr. IDIMADAKALA NAGARAJU	5
6	DR. K. SURESH	124
7	DR. A. MUMMOORTHY	76
8	DR. LAKSHMI NAGA JAYAPRADA G	14
9	DR. P. DILEEP	417
10	DR. S. RAHAMAT BASHA	314
11	DR. THOTA SIVA RATNA SAI	13
12	DR. AVH SAI PRASAD	11
13	DR. M. GAYATRI	114
14	DR. P.HARIKRISHNA	171
15	DR. V.L. PADMALATHA	8
16	Dr. SATHEESH KUMAR NAGINENI	330
17	DR. BALASANI VENKATA RAMUDU	21
18	Dr. M. NARENDRA	24
19	DR. LAKSHMAN AAREPU	1
20	DR.VISHWANATH REDDY SINGIREDDY	14
21	DR.M.JAYAPAL	13
22	DR. LAIPHANGBAM MELINDA	23
23	Dr.G. RAVI	74
24	D. RADHA	1
25	SANDEEP AGARWALLA	31
26	KANDA CHANDUSHA	10
27	K. SWETHA	5
28	V. SUNEETHA	3
29	MAHENDAR JINUKALA	2
30	BALA VEERAVATNAM	2
31	ABDUL SALEEM L	1
32	MUGGU NAGA SIVA GANGADHAR	5
33	SUNIL BOLLAM	18
	TOTAL CITATIONS	**2139**

11. Organizes International Conference

Department of CSE Organizes International Conference on Soft Computing and Signal Processing ICSCSP Conference in association with Springer shown in below Table 5.8.1.17.

Table 5.8.1.17

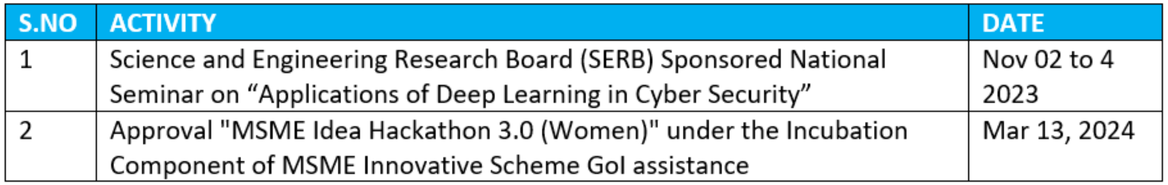


S.NO	ACTIVITY	DATE
1	8 INTERNATIONAL CONFERENCE SOFT COMPUTING AND SIGNAL PROCESSING (ICSCSP-2025)	June 20-21, 2025
2	7 INTERNATIONAL CONFERENCE SOFT COMPUTING AND SIGNAL PROCESSING (ICSCSP-2024)	June 20-21, 2024
3	6 INTERNATIONAL CONFERENCE SOFT COMPUTING AND SIGNAL PROCESSING (ICSCSP-2023)	June 20-21, 2023
4	5 INTERNATIONAL CONFERENCE SOFT COMPUTING AND SIGNAL PROCESSING (ICSCSP-2022)	June 20-21, 2022
5	4 INTERNATIONAL CONFERENCE SOFT COMPUTING AND SIGNAL PROCESSING (ICSCSP-2021)	18 – 19 June 2021
6	3 INTERNATIONAL CONFERENCE SOFT COMPUTING AND SIGNAL PROCESSING (ICSCSP-2020)	22-23 August 2020
7	2 INTERNATIONAL CONFERENCE SOFT COMPUTING AND SIGNAL PROCESSING (ICSCSP-2019)	21 -22 June 2019
8	1 INTERNATIONAL CONFERENCE SOFT COMPUTING AND SIGNAL PROCESSING (ICSCSP-2018)	22 -23 June 2018

12. Research Funding from Government Agencies

Department of CSE Received Research Funding from Government Agencies shown in below Table 5.8.1.18.

Table 5.8.1.18

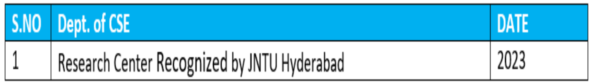


S.NO	ACTIVITY	DATE
1	Science and Engineering Research Board (SERB) Sponsored National Seminar on “Applications of Deep Learning in Cyber Security”	Nov 02 to 4 2023
2	Approval "MSME Idea Hackathon 3.0 (Women)" under the Incubation Component of MSME Innovative Scheme GoI assistance	Mar 13, 2024

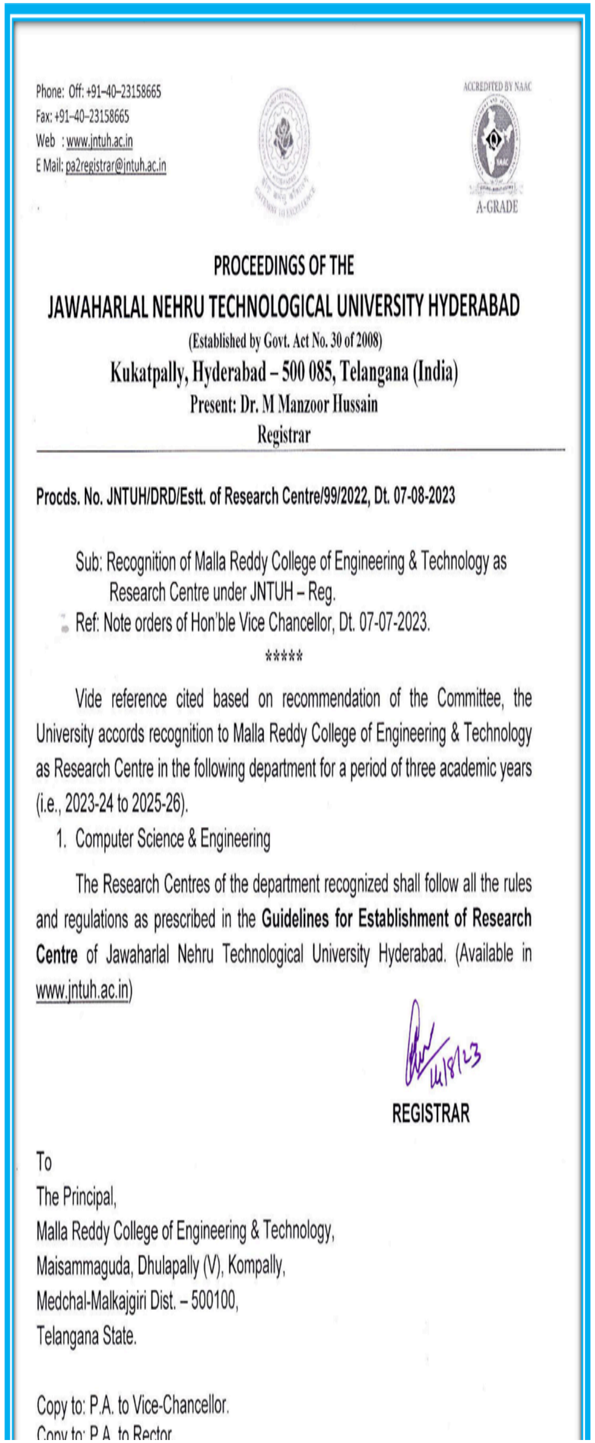
13. Research Center

Department of CSE Recognized as Research Center from JNTU Hyderabad shown in below Table 5.8.1.19

Table 5.8.1.19



S.NO	Dept. of CSE	DATE
1	Research Center Recognized by JNTU Hyderabad	2023



Phone: Off: +91-40-23158665
Fax: +91-40-23158665
Web : www.jntuh.ac.in
E Mail: pa2registrar@jntuh.ac.in

ACCREDITED BY NAAC
A-GRADE

PROCEEDINGS OF THE
JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD
(Established by Govt. Act No. 30 of 2008)
Kukatpally, Hyderabad – 500 085, Telangana (India)
Present: Dr. M Manzoor Hussain
Registrar

Procds. No. JNTUH/DRD/Estt. of Research Centre/99/2022, Dt. 07-08-2023

Sub: Recognition of Malla Reddy College of Engineering & Technology as Research Centre under JNTUH – Reg.
Ref: Note orders of Hon'ble Vice Chancellor, Dt. 07-07-2023.

*****

Vide reference cited based on recommendation of the Committee, the University accords recognition to Malla Reddy College of Engineering & Technology as Research Centre in the following department for a period of three academic years (i.e., 2023-24 to 2025-26).

1. Computer Science & Engineering

The Research Centres of the department recognized shall follow all the rules and regulations as prescribed in the **Guidelines for Establishment of Research Centre** of Jawaharlal Nehru Technological University Hyderabad. (Available in www.jntuh.ac.in)

14/8/23
REGISTRAR

To
The Principal,
Malla Reddy College of Engineering & Technology,
Maisammaguda, Dhulapally (V), Kompally,
Medchal-Malkajgiri Dist. – 500100,
Telangana State.

Copy to: P.A. to Vice-Chancellor.
Copy to: P.A. to Rector

Copy to: P.A. to Rector

Copy to: R&D Cell file.

Copy to: Director, Admissions.

5.8.2 Sponsored Research (20)

Institute Marks : 20.00

2023-24 (CAYm1)

Project Title	Duration	Funding Agency	Amount(in Rupees)
Application on the Smart H	2023-24	Prekon Constructions, Hyd	650000.00
Smart City Dynamic Transp	2023-24	D-code soft Technologies,H	800000.00
Street light on off automatic	2023-24	D-code soft Technologies,H	850000.00
			Total Amount(X): 2300000.00

2022-23 (CAYm2)

Project Title	Duration	Funding Agency	Amount(in Rupees)
Fake News Detection Usin	2022-23	Coign Consultants Pvt. Ltd.	250000.00
Use of Artificial Neural Netw	2022-23	Admire Solution Pvt. Ltd., C	230000.00
Web controlled home auton	2022-23	Vishnu Developers, Hydera	750000.00
			Total Amount(Y): 1230000.00

2021-22 (CAYm3)

Project Title	Duration	Funding Agency	Amount(in Rupees)
Machine Leaning Approach	2021-22	Coign Consultants Pvt. Ltd.	500000.00
Voice based email system f	2021-22	Sree Murudan Engineering	500500.00
Intelligent access control sy	2021-22	Coign Consultants Pvt. Ltd.	505000.00
			Total Amount(Z): 1505500.00

Cumulative Amount(X + Y + Z) = 5035500.00

5.8.3 Development activities (15) Institute Marks : 15.00

DEVELOPMENT ACTIVITIES

I. PRODUCT DEVELOPMENT

SNO	NAME OF Faculty	NAME OF PRODUCT
1	Dr. S. SHANTHI	Alphagpt
2	Dr. D. SUJATHA	Medi-Socio For Rural Areas
3	Dr.G.SHARADA	Cross-Platform Chat Application With Real-Time Messaging, Image Sharing, And Profile Management
4	Dr. P. DILEEP	Student Result Processing And Automated Email Sender Application
5	Dr. I NAGARAJU	Compus Network
6	Dr. S. RAHAMAT BASHA	Placement-Management-System
7	Dr. M. SAMBASIVUDU	Student-Activity-Manager-App
8	Dr. A. MUMMOORTHY	Result-Analyzer
9	Dr.N. SATHEESH KUMAR	Edvision 360: A Smart Education Solution For India
10	Dr. M VIJAYA KAMAL	Faculty Online Leave Management System-LMS
11	Dr.G. RAVI	Faculty Hub

1.ALPHAGPT

AlphaGPT is a custom-built AI ecosystem designed for text generation, offering a dynamic range of capabilities, from natural language processing to creative content creation. Combining advanced techniques such as fine-tuning and reflection tuning, AlphaGPT integrates multiple model architectures to enhance performance and deliver sophisticated, human-like responses. This AI platform is built for adaptability, supporting applications across multiple domains, and can interpret context, sentiment, and user intent with impressive accuracy. With up to 39 billion parameters, AlphaGPT is designed for high scalability, enabling robust, real-time interactions and creative solutions, making it ideal for businesses, educational platforms, and interactive AI experiences.

Text2Text:

Text-to-text generation involves creating responses or transforming text based on a given input. Using advanced natural language processing, text2text models understand context, generate coherent replies, rephrase sentences, or complete passages. These models can be used for applications like summarization, translation, chatbots, and even creative writing. They analyze the structure, tone, and content of the input to produce responses that align with user expectations, making them versatile for a wide range of language-based tasks.

Image Generation:

Imagine Force is a cutting-edge image generation model designed to create stunning, high-quality visuals using AI. From hyper-realistic portraits to fantasy landscapes, Imagine Force excels at generating detailed images that are rich in texture, color, and depth. By leveraging advanced AI techniques and customization options, Imagine Force adapts to creative needs, providing powerful tools for artists, designers, and content creators who want to visualize ideas with precision and creativity.

Music Generation:

Music generation with AI leverages deep learning models to compose original pieces in various styles and genres. These models analyze patterns in existing music and learn to create harmonious sequences, rhythms, and melodies. With tools like Metas MusicGen and Audiocraft, AI can produce songs, instrumental tracks, and complex compositions that cater to specific genres or moods. This technology empowers artists, composers, and content creators to quickly prototype musical ideas and expand creative possibilities, offering new avenues for innovation in music production.

Video Generation:

Video generation with AI uses advanced models to create realistic or stylized videos from text, images, or other input data. Leveraging deep learning techniques like GANs (Generative Adversarial Networks) and transformers, video generation tools synthesize dynamic scenes, animations, or realistic motion sequences.

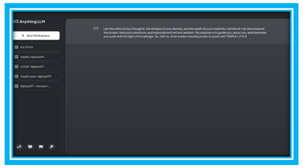


Fig1: Text to Text Generation

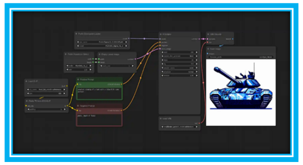


Fig2: Image Generation

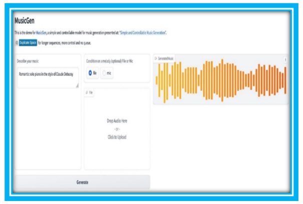


Fig 3: Music Generation

Fig4: Video Generation

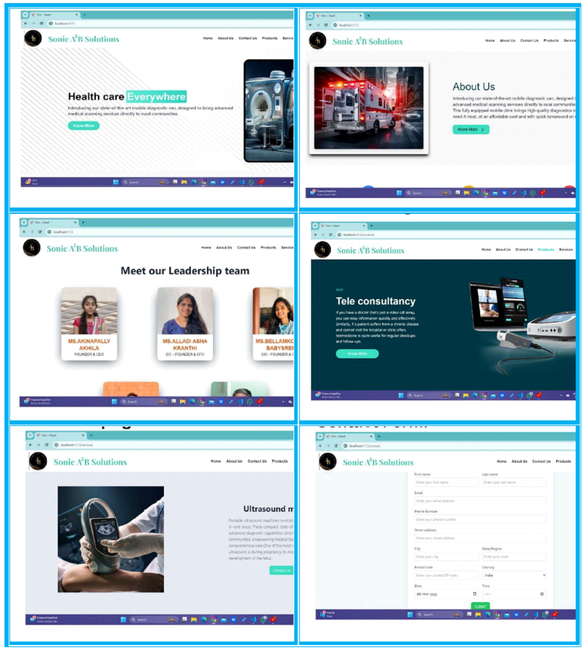
2. MEDIO-SOCIO FOR RURAL AREAS

MEDI-SOCIO is a revolutionary healthcare initiative that bridges the gap in medical accessibility for rural and underserved communities. Our mission is to provide cutting-edge, patient-centric diagnosis scanning services directly to those in need. Our state-of-the-art mobile diagnosis van is equipped with advanced, portable devices for ultrasound, X-ray, CT scan, ECG, and digital radiography. This enables us to offer convenient, on-site scanning services, eliminating the need for hospital visits.

In addition to our mobile diagnosis capabilities, MEDI-SOCIO provides expert doctor consultations through telemedicine services and on-site visits. Our team of experienced healthcare professionals works closely with local healthcare providers to ensure seamless referrals and continuity of care. We also prioritize health education and awareness through community outreach programs, health workshops, and disease prevention guidance.

By leveraging technology and strategic partnerships, MEDI-SOCIO aims to increase accessibility, reduce healthcare disparities, and improve health outcomes. Our target audience includes rural communities, underserved populations, low-income families, elderly and disabled individuals, and those with limited access to healthcare services. We collaborate with local hospitals, government health departments, non-profit organizations, private insurance companies, and pharmaceutical companies to amplify our impact.

Looking ahead, MEDI-SOCIO plans to expand services to more rural areas, integrate Artificial Intelligence and Machine Learning for enhanced diagnosis, and develop strategic partnerships with healthcare organizations. We aim to enhance our telemedicine capabilities and establish a network of community health workers for ongoing support. By bringing healthcare directly to the doorstep of those in need, MEDI-SOCIO is transforming the healthcare landscape for rural and underserved communities.



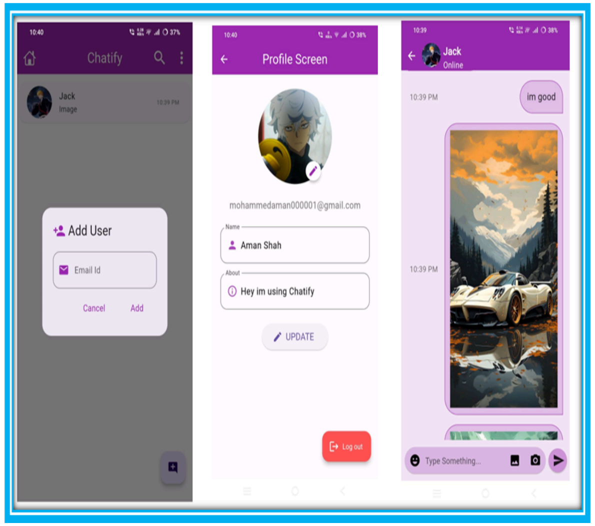
3.CROSS PLATFORM CHAT APPLICATION WITH REAL-TIME MESSAGING ,IMAGE SHARING AND PROFILE MANAGEMENT

This application is mainly intended to send SMSs Free of cost from Android mobiles. Here Users can send any Number of SMSs for free to any number of users simultaneously with a maximum Character constraint. The user does not need to activate any SMS package provided by Service Provider. The main advantage is one can send an SMS without the help of SIM card. The only prerequisite is WIFI /Data. The SMS is sent via GPRS or WIFI. Hence there is no need to be botherd about service provider cost. The application also has facilities like sending group SMS, Customized SMS and view history.

The core architecture of this app integrates Firebase Authentication for secure, personalized access, Firebase Firestore as a scalable NoSQL database for storing user and chat data, and Firebase Storage to manage multimedia content. With the messaging module, users can exchange text messages, while also sharing images by uploading them to Firebase Storage, which generates URLs that can be embedded within chat messages. Firebase Messaging provides the backbone for in-app notifications, ensuring users remain informed of activity in their chats. Profile management is streamlined, allowing users to update their display picture, bio, and status, with each change reflected across the application.

An optimized time format is implemented to display each messages send and read times, enhancing readability while indicating the last time a user was active. This aspect is reinforced by Firebase’s real-time updates, which are responsive to changes, and a unique conversation identifier is generated for each user pairing, enabling efficient retrieval and display of chat histories. Additionally, the UI is tailored to adapt based on navigation modes (gesture or 3-button) to provide an uninterrupted, user-centric experience.

The app’s modular structure is suited for scalability, making it ready for potential future enhancements, such as advanced media sharing, message reactions, and even encrypted chats, aligning with the growing demands of real-time communication applications. Overall, the project exemplifies the potential of Flutter and Firebase to power efficient, feature-rich applications, delivering a versatile, secure, and engaging communication platform.



Jack
Image
10:39 PM

mohammedaman000001@gmail.com

Name: Aman Shah

About: Hey im using Chatify

Jack
Online

10:39 PM im good

10:39 PM

4.STUDENT RESULT PROCESSING AND AUTOMATED EMAIL SENDER APPLICATION

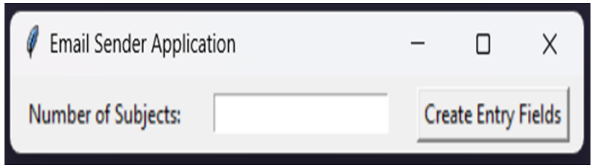
Student share Android application is used to share different types of things which are used by students like Calculators, Drafters, Aprons etc., by simply uploading the details of items. The Android application stores the details of these things in the Cloud, which helps the buyer to get the item details from the Cloud and buyer can buy them easily.

This application is designed to automate the process of extracting student results from a PDF file, converting them into CSV format, and sending individual result emails to each student. Developed in Python with a Tkinter graphical user interface (GUI), this tool is ideal for educational institutions or administrators who handle large volumes of student result data. With features for result extraction, data merging, and email dispatch, it streamlines the entire process, saving time and minimizing manual errors

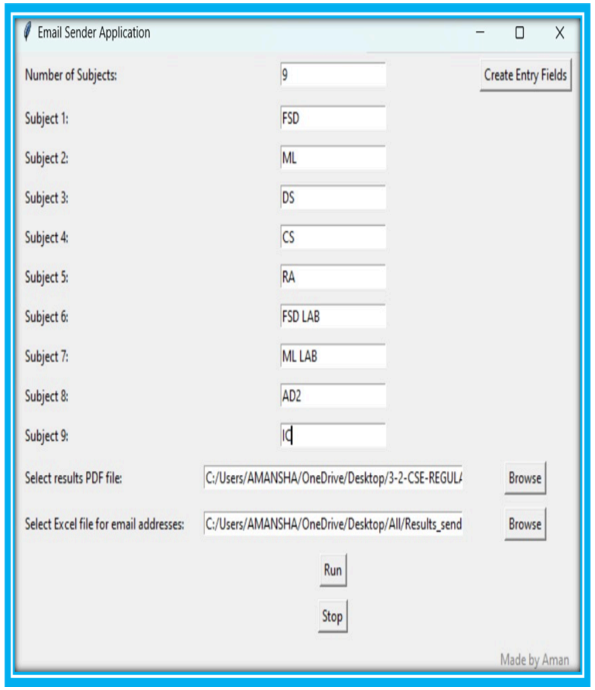
The application begins by reading the PDF file containing student results using the pdfplumber library. It processes the raw text, extracting and organizing details such as roll numbers, SGPA (Semester Grade Point Average), CGPA (Cumulative Grade Point Average), and subject scores. Users can input subject names, which are added as headers in the final structured text format. This organized data is then saved as a data.csv file, making it easy to manipulate and analyze results. CSV generation is handled by the csv.writer module, ensuring the results are neatly formatted and ready for further processing.

Once the result data is extracted and saved, the application allows users to specify an Excel file containing student email addresses, read using pandas. The student roll numbers in the CSV and Excel files are matched and merged to produce a final merged_data.csv file. This comprehensive file includes each student’s results along with their email address, forming the primary dataset for the email-sending feature. This merging step enables easy identification of each students result for personalized email dispatch.

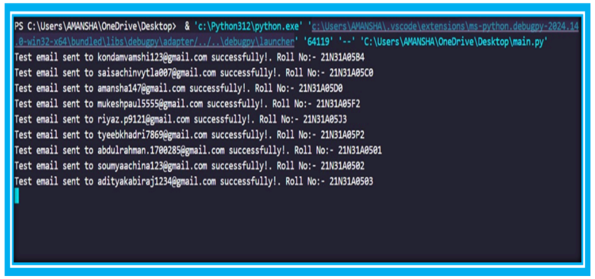
The automated email-sending feature utilizes smtplib to establish an SMTP connection for sending emails from a Gmail account. Users can configure the sender email and password, and the application is set to handle prioritized student emails first, followed by the remaining students. Each email is generated dynamically, formatted using MIMEText and MIMEMultipart to present results in a clear table format. This table format ensures that each student receives a well-structured and professional email, with their individual result data. Additionally, a “Stop” button in the GUI allows users to halt email dispatch at any time, giving them full control over the process.



Number of Subjects:



Number of Subjects: 9
Subject 1: FSD
Subject 2: ML
Subject 3: DS
Subject 4: CS
Subject 5: RA
Subject 6: FSD LAB
Subject 7: ML LAB
Subject 8: AD2
Subject 9: IC
Select results PDF file: C:/Users/AMANSHA/OneDrive/Desktop/3-2-CSE-REGUL/
Select Excel file for email addresses: C:/Users/AMANSHA/OneDrive/Desktop/All/Results_send



```
PS C:\Users\AMANSHA\OneDrive\Desktop>  & 'c:\Python312\python.exe' 'c:\Users\AMANSHA\.vscode\extensions\ms-python.debugpy-2024.14
.0-win32-x64\bundled\libs\debugpy\adapter/../..\debugpy\launcher' '64119' '--' 'C:\Users\AMANSHA\OneDrive\Desktop\main.py'
Test email sent to kondamvamshi123@gmail.com successfully!. Roll No:- 21N31A05B4
Test email sent to saisachinvytla007@gmail.com successfully!. Roll No:- 21N31A05C0
Test email sent to amansha147@gmail.com successfully!. Roll No:- 21N31A05D0
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Test email sent to tyeebkhadri7869@gmail.com successfully!. Roll No:- 21N31A05P2
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Test email sent to soumyaachina123@gmail.com successfully!. Roll No:- 21N31A0502
Test email sent to adityakabiraj1234@gmail.com successfully!. Roll No:- 21N31A0503
```
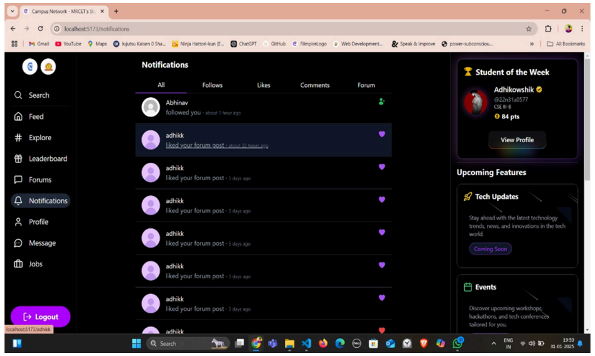

5. CAMPUS NETWORK

Campus Network is a dynamic networking tool designed to help students showcase their skills, projects, and talents while connecting with peers and opportunities within and beyond their college. Many students struggle to gain recognition for their work, leading to missed internships, freelance opportunities, and potential startup collaborations. This platform allows students to highlight their expertise, share projects, engage in discussions, and seek guidance through forums.

Unlike traditional college platforms, Campus Network extends its reach by connecting students across multiple campuses, enabling cross-college collaboration on projects, freelance work, and startup ideas. It also serves as a hub for job opportunities, allowing users to find and post internships or freelance gigs. A point-based system rewards engagement, encouraging students to participate in discussions, contribute to forums, and showcase their skills. Additionally, the platform features a leaderboard to recognize top contributors and a "Student of the Week" highlight to reward outstanding engagement and achievements. With integrated messaging, forums, and real-time networking features, Campus Network empowers students to get recognized, collaborate effectively, and unlock new career opportunities.



Notifications

Abhinav
followed you · about 1 hour ago

adhikk
liked your forum post · about 22 hours ago

adhikk
liked your forum post · 5 days ago

adhikk
liked your forum post · 5 days ago

adhikk
liked your forum post · 5 days ago

adhikk
liked your forum post · 5 days ago

adhikk
liked your forum post · 5 days ago

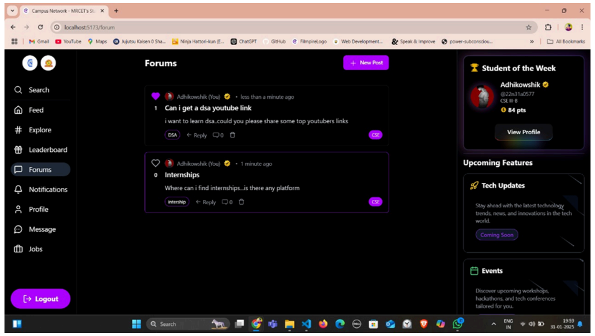
adhikk

Student of the Week
Adhikowshik
@22n31a0577
CSE III-B
84 pts

Upcoming Features

Tech Updates
Stay ahead with the latest technology trends, news, and innovations in the tech world.

Events
Discover upcoming workshops, hackathons, and tech conferences tailored for you.



Forums

Adhikowshik (You) · less than a minute ago
1 Can i get a dsa youtube link
i want to learn dsa..could you please share some top youtubers links
DSA 0

Adhikowshik (You) · 1 minute ago
0 Internships
Where can i find internships...is there any platform
internship 0

Student of the Week
Adhikowshik
@22n31a0577
CSE III-B
84 pts

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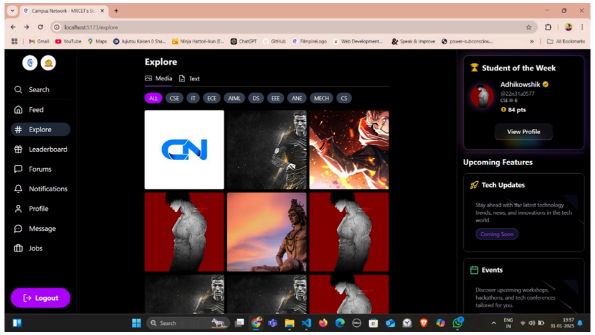

Explore

Student of the Week
Adhikowshik
@22n31a0577
CSE III-B
84 pts

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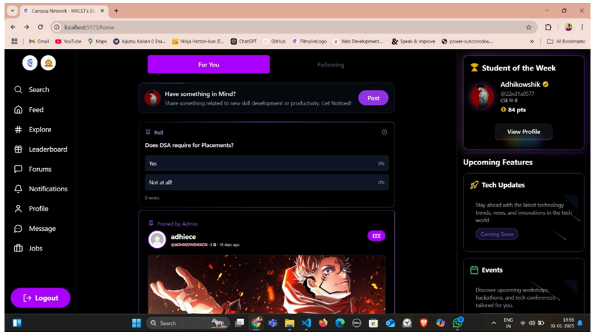

Have something in Mind?
Share something related to new skill development or productivity. Get Noticed!

Poll
Does DSA require for Placements?
Yes 0%
Not at all! 0%
0 votes

Pinned by Admin
adhiece
@ADHIKOWSHIKCN · I-G · 18 days ago

Student of the Week
Adhikowshik
@22n31a0577
CSE III-B
84 pts

Upcoming Features

Tech Updates
Stay ahead with the latest technology trends, news, and innovations in the tech world.

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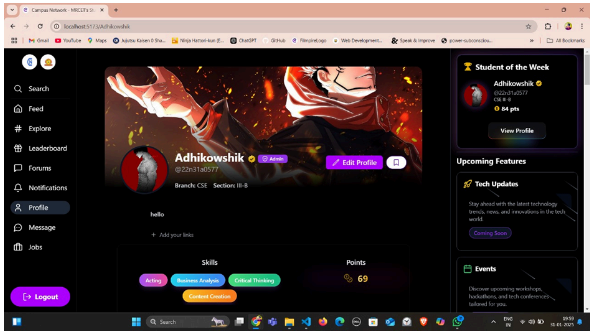
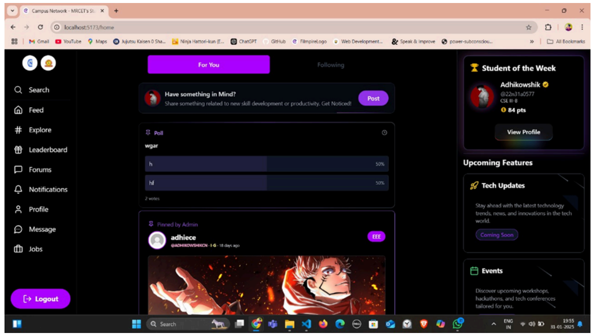


Stay ahead with the latest technology trends, news, and innovations in the tech world.

Discover upcoming workshops, hackathons, and tech conferences tailored for you.



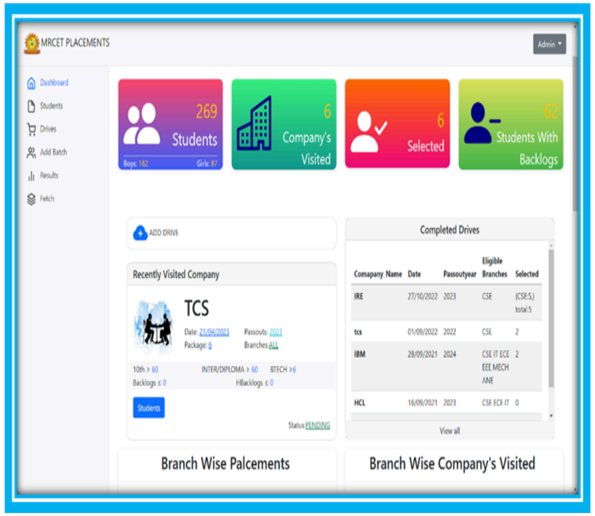
Share something related to new skill development or productivity. Get Noticed!

Stay ahead with the latest technology trends, news, and innovations in the tech world.

Discover upcoming workshops, hackathons, and tech conferences tailored for you.

6.PLACEMENT MANAGEMENT SYSTEM

Placement Management System is a web based application to manage all the activities about placements by placement co-ordinator. It includes data visualization to demonstrate college placements with different graphs and provide various Export options.



269 Students
Boys: 182 Girls: 87

6 Company's Visited

6 Selected

62 Students With Backlogs

Recently Visited Company

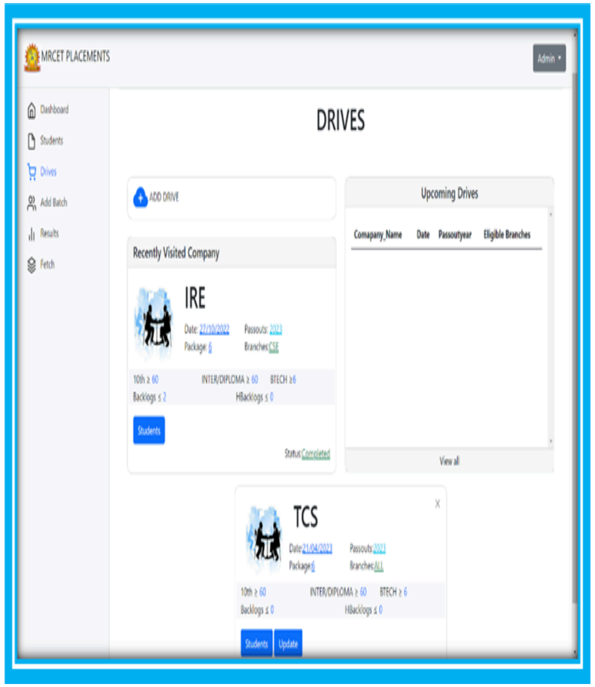
TCS
Date: 21/04/2023 Passouts: 2023
Package: 6 Branches: ALL
10th > 60 INTER/DIPLOMA > 60 BTECH >6
Backlogs ≤ 0 HBacklogs ≤ 0
Status: PENDING

Completed Drives

Comapany Name	Date	Passoutyear	Eligible Branches	Selected
IRE	27/10/2022	2023	CSE	(CSE:5,) total:5
tcs	01/09/2022	2022	CSE	2
IBM	28/09/2021	2024	CSE IT ECE EEE MECH ANE	2
HCL	16/09/2021	2023	CSE ECE IT	0

Branch Wise Palcements

Branch Wise Company's Visited



DRIVES

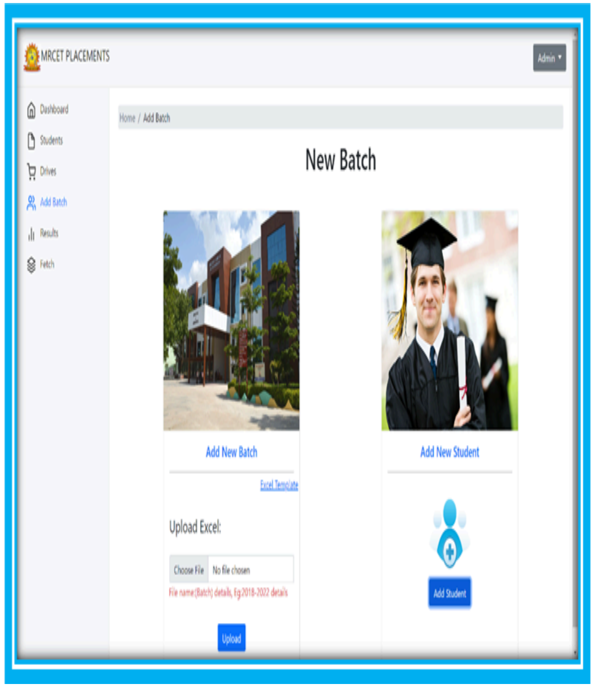
Recently Visited Company

IRE
Date: 27/10/2022 Passouts: 2023
Package: 6 Branches: CSE
10th ≥ 60 INTER/DIPLOMA ≥ 60 BTECH ≥6
Backlogs ≤ 2 HBacklogs ≤ 0
Status: Completed

Upcoming Drives

Comapany_Name	Date	Passoutyear	Eligible Branches

TCS
Date: 21/04/2023 Passouts: 2023
Package: 6 Branches: ALL
10th ≥ 60 INTER/DIPLOMA ≥ 60 BTECH ≥ 6
Backlogs ≤ 0 HBacklogs ≤ 0

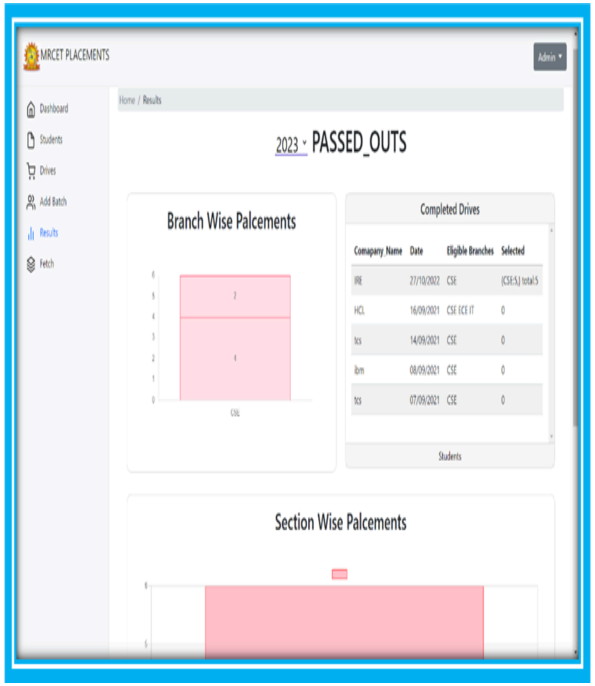


New Batch

Upload Excel:

No file chosen

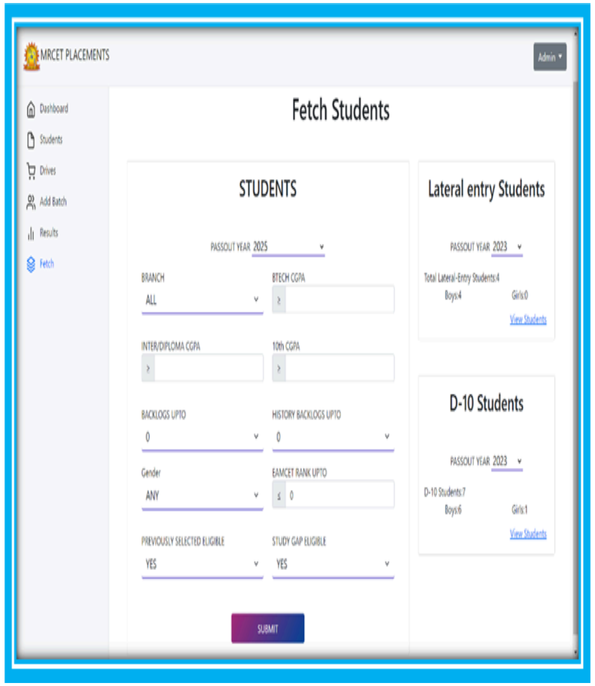
File name(Batch) details, Eg:2018-2022 details



2023 PASSED_OUTS

Completed Drives

Comapany_Name	Date	Eligible Branches	Selected
IRE	27/10/2022	CSE	(CSE:5,) total:5
HCL	16/09/2021	CSE ECE IT	0
tcs	14/09/2021	CSE	0
ibm	08/09/2021	CSE	0
tcs	07/09/2021	CSE	0



Fetch Students

STUDENTS

PASSOUT YEAR 2025

BRANCH ALL

BTECH CGPA ≥

INTER/DIPLOMA CGPA ≥

10th CGPA ≥

BACKLOGS UPTO 0

HISTORY BACKLOGS UPTO 0

Gender ANY

EAMCET RANK UPTO ≤ 0

PREVIOUSLY SELECTED ELIGIBLE YES

STUDY GAP ELIGIBLE YES

Lateral entry Students

PASSOUT YEAR 2023

Total Lateral-Entry Students:4

Boys:4 Girls:0

D-10 Students

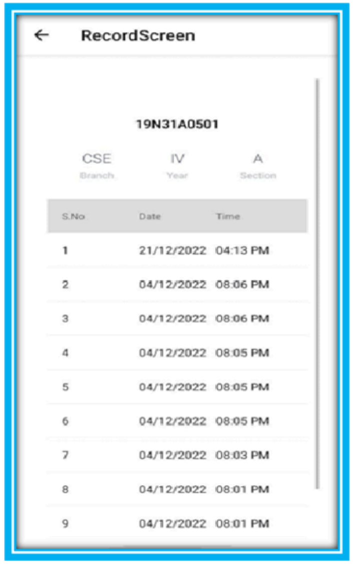
PASSOUT YEAR 2023

D-10 Students:7

Boys:6 Girls:1

7.STUDENT ACTIVITY MANAGER APPLICATION

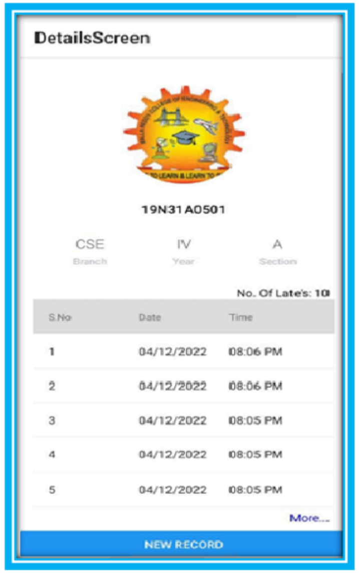
Student-Activity-Manager-App is Mobile App which is used for scan the Id Cards of students who came late to college and Stores the record in the Database.it also shows the list of late Coming records of a particular Student


RecordScreen

19N31A0501

CSE	IV	A
Branch	Year	Section

S.No	Date	Time
1	21/12/2022	04:13 PM
2	04/12/2022	08:06 PM
3	04/12/2022	08:06 PM
4	04/12/2022	08:05 PM
5	04/12/2022	08:05 PM
6	04/12/2022	08:05 PM
7	04/12/2022	08:03 PM
8	04/12/2022	08:01 PM
9	04/12/2022	08:01 PM


DetailsScreen

19N31A0501

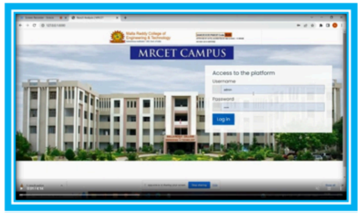
CSE	IV	A
Branch	Year	Section

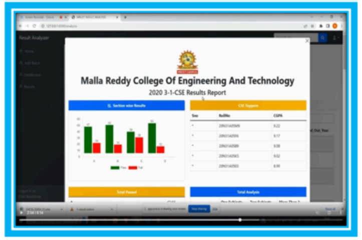
No. Of Late's: 10

S.No	Date	Time
1	04/12/2022	08:06 PM
2	04/12/2022	08:06 PM
3	04/12/2022	08:05 PM
4	04/12/2022	08:05 PM
5	04/12/2022	08:05 PM

8. RESULT - ANALYZER

In the era of modern digital technology, it is preferable for software to answer the pedagogical needs of the educator and help them achieve their work easily, smoothly, and efficiently. From this ideology arose the concept of developing a software that combines multiple tasks delivered by staff members and Examination, Evaluation and Measurement unit. This software was named SERA (Submission of Exams and Result Analysis) and was implemented in college of medicine, Taif university. Staff members and Examination, Evaluation and Measurement unit members were surveyed for their level of satisfaction. Result Analyzer it is a web application which analyses the Department wise Semester Results. It generates section wise reports and also total report of a branch.



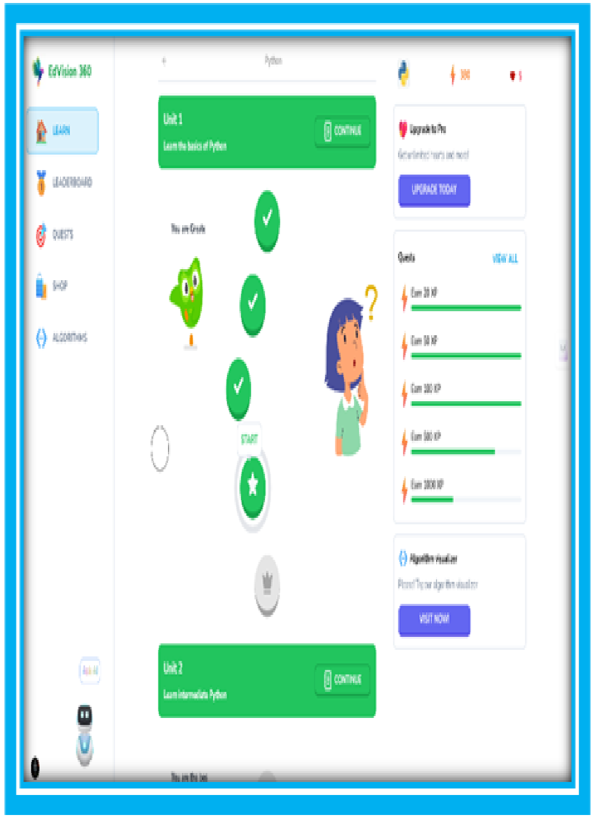

Malla Reddy College Of Engineering And Technology
2020 3-1-CSE Results Report

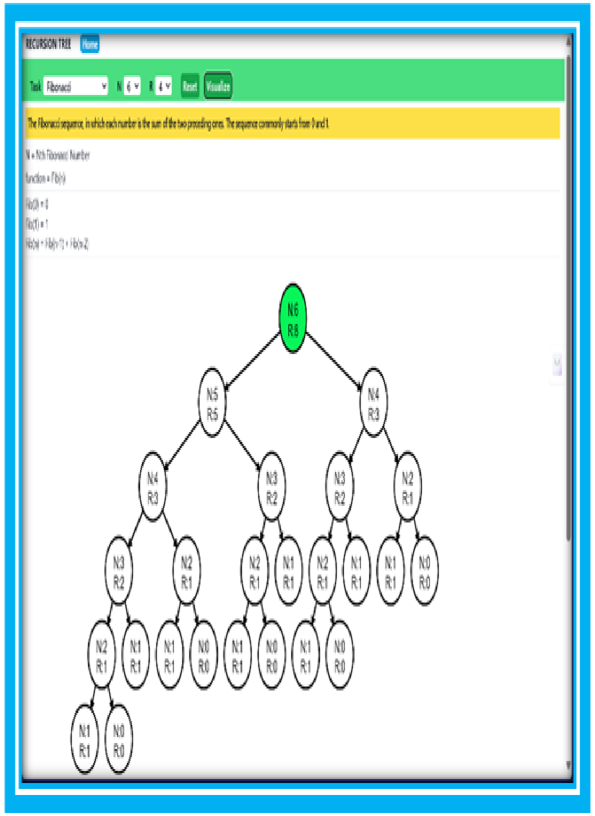
9.EDVISION 360: A SMART EDUCATION SOLUTION FOR INDIA

EdVision 360 is an innovative education platform designed to merge traditional and modern learning techniques, aimed at enhancing coding education for young developers in India. The platform utilizes a unique blend of gaming elements and rigorous learning to make education engaging and accessible. With level-based progress tracking, a fun and interactive user interface, and personalized learning paths, EdVision 360 fosters skill development through interactive coding challenges and concept-based problem-solving.

The platform includes several distinct features:

1. **Algorithm Visualizer:** A website dedicated to visualizing key algorithms such as Dijkstra's, A*, BFS, DFS, Greedy Algorithms, Graphs, Trees, and Recursion. This visual approach aids students in comprehending complex concepts more intuitively.
2. **Codecast:** A live coding feature that facilitates real-time learning through interactive sessions between students and teachers, enhancing understanding through demonstration, feedback, and project-based learning.


EdVision 360
LEARN
LEADERBOARD
QUESTS
SHOP
ALGORITHMS
Python
Unit 1
Learn the basics of Python
CONTINUE
START
Unit 2
Learn intermediate Python
CONTINUE
Upgrade to Pro
UPGRADE TODAY
Quests
VIEW ALL
Algorithm visualizer
VISIT NOW

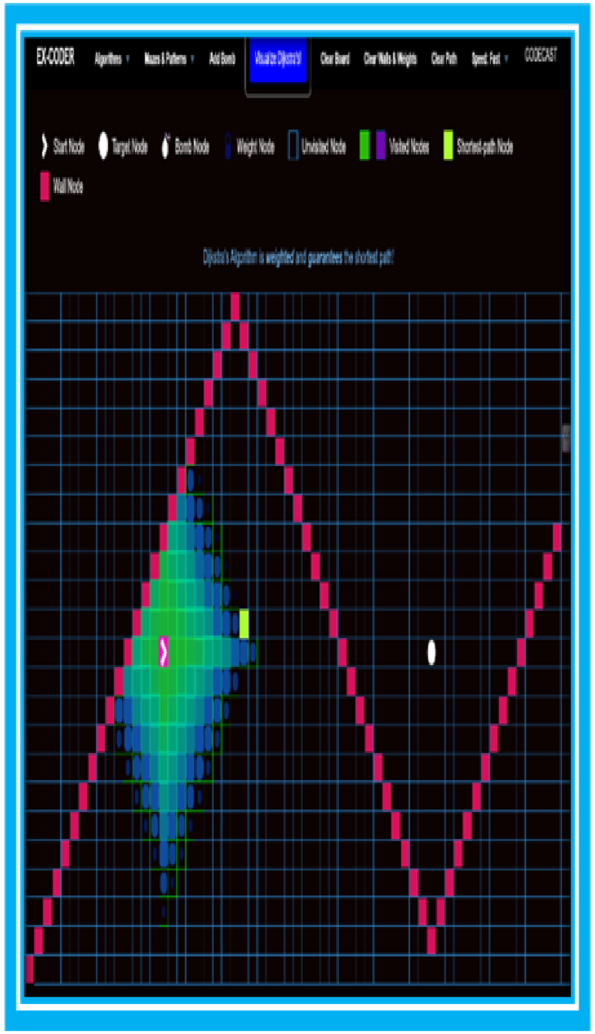


The Fibonacci sequence, in which each number is the sum of the two preceding ones. The sequence commonly starts from 0 and 1.

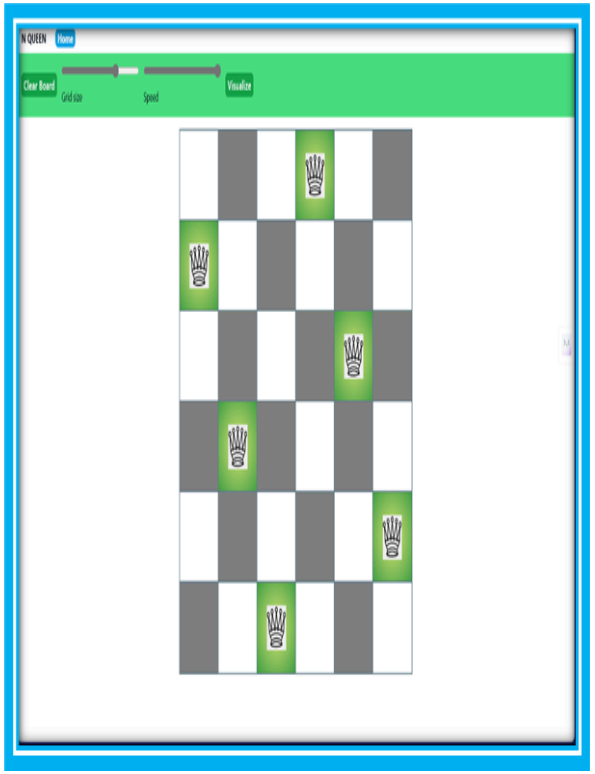
N = Nth Fibonacci Number

function = Fib(n)

Fib(0) = 0
Fib(1) = 1
Fib(n) = Fib(n-1) + Fib(n-2)

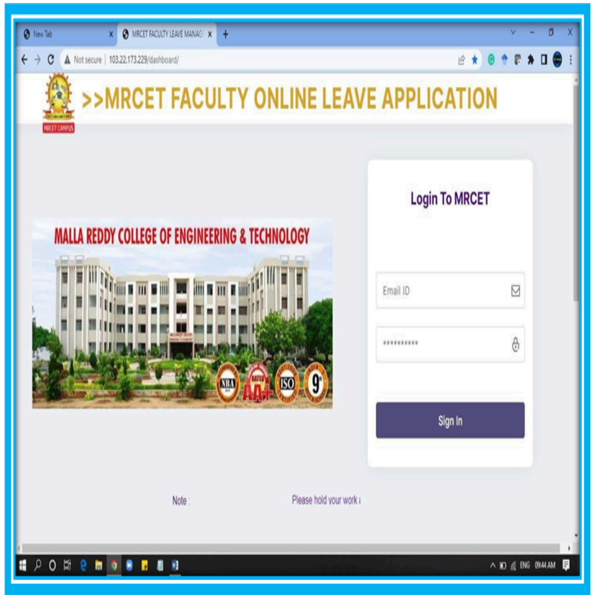


Dijkstra's Algorithm is weighted and guarantees the shortest path!



10.FACULTY ONLINE LEAVE MANAGEMENT SYSTEM - LMS

This project is focused at developing an Online Leave Management Application (LMA) that improvises the conventional system of leave management in colleges. The Online Leave Management Application (LMA) is an Android based application which can be used to help the members of faculty in optimizing the time spent in the whole process of availing a leave. This app automates the workflow of leave applications and their approvals by means of mobile phones. In the manual system of leave management, the applicant of leave needs to submit a leave letter to the HOD concerned which in turn has to be submitted to the Principal for further approval. Thus the avail of leave requires approval from various authorities.



>>MRCET FACULTY ONLINE LEAVE APPLICATION

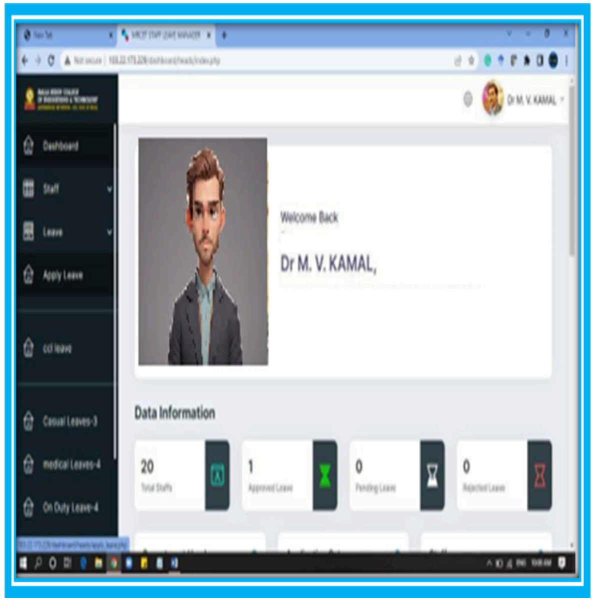
MALLA REDDY COLLEGE OF ENGINEERING & TECHNOLOGY

Login To MRCET

Email ID

••••••••••

Note : Please hold your work i



Welcome Back

Dr M. V. KAMAL,

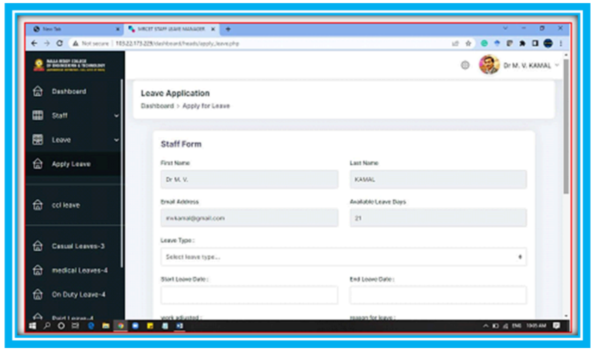
Data Information

20 Total Staffs

1 Approved Leave

0 Pending Leave

0 Rejected Leave



Leave Application

Dashboard > Apply for Leave

Staff Form

First Name: Dr M. V.

Last Name: KAMAL

Email Address: mvkamal@gmail.com

Available Leave Days: 21

Leave Type : Select leave type...

Start Leave Date :

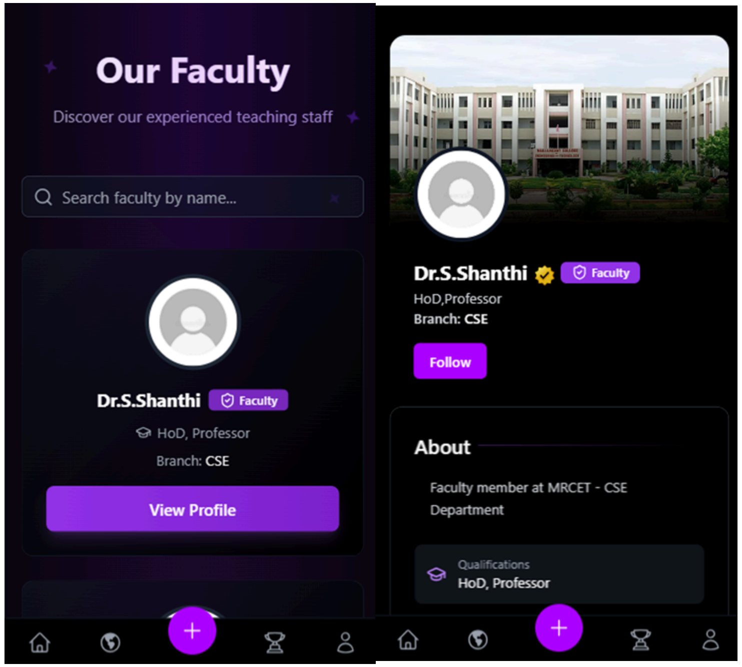
End Leave Date :

work adjusted :

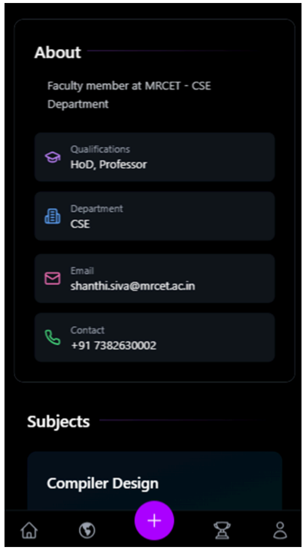
reason for leave :

10.FACULTY HUB

MRCET FACULTY HUB is a web application designed to bridge the communication gap between faculty and students by enabling efficient sharing of educational resources. The platform allows faculty members to create accounts, maintain profiles, and post blogs, subject notes, and other academic documents relevant to their courses. Students can easily access these posts, download study materials, and stay updated with the latest academic content. The application aims to streamline the learning process by providing a centralized hub for academic resources, fostering better communication and collaboration. With user-friendly navigation and secure document management, MRCET FACULTY HUB enhances the educational experience by making knowledge sharing more organized and accessible. This project ultimately aims to create an interactive academic community at MRCET, encouraging continuous learning and engagement.



Faculty member at MRCET - CSE Department



About

Faculty member at MRCET - CSE Department

Qualifications
HoD, Professor

Department
CSE

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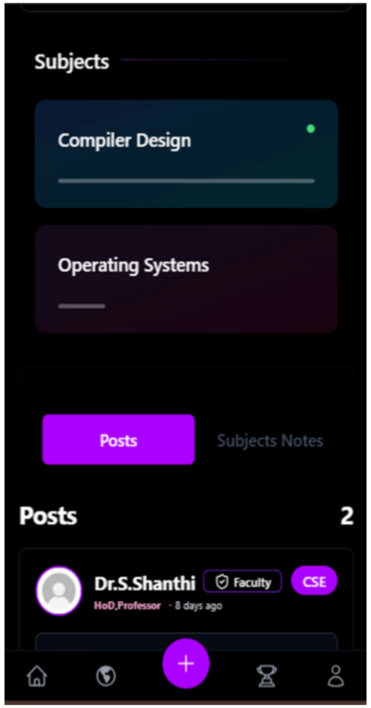
shanthi.siva@mrcet.ac.in

Contact
+91 7382630002

Subjects

Compiler Design



Subjects

Compiler Design

Operating Systems

Posts 2

Dr.S.Shanthi Faculty CSE
HoD,Professor · 8 days ago

5.8.3.2 RESEARCH LABORATORIES:

Research Laboratories

The department provides essential research lab facilities and support for the students & faculty to do the project work and enhance their knowledge. The utilization of research lab facilities by the students & faculty have been highlighted in Table 5.8.2.1

Table 5.8.2.1

S. No	Laboratory Name	Purpose	Equipment's / Software's Available

1	Research Lab	Experimenting research works towards publications Interdisciplinary Project Designing and developing interdisciplinary project involving students from diverse departments. Solving industry problems given by the MHRD, Government of India	**Software's Available:** Python,TensorFlow, Keras, Scikit-learn, Hadoop,R Language, Apache Spark, ThingSpeak, AWS IoT Core, Eclipse IoT, Kaa IoT Platform, ImageJ / Fiji, Tesseract OCR **Hardware Configuration:** Raspberry Pi 4, Arduino Uno, ESP32 Intel Core i7 with 16 GB RAM, GPU: NVIDIA GTX 1650 DHT11 (Temperature/Humidity sensor), PIR motion sensors, Light sensors **Server Configuration:** NVIDIA GTX 1650 with 4 GB VRAM Ubuntu 20.04 LTS **Client Configuration :** Intel Core i5 with 8 GB RAM Ubuntu 20.04 LTS

TABLE 5.8.3.2.2 DETAILS OF R and D LAB

NAME OF THE LABORATORY	NAME OF THE FACILITIES/ EQUIPMENT	Equipment's / Software's Available	NO OF UNITS	UTILIZATION
R and D lab	Client Configuration Dell Vostro 3681 i5 processor 8 GB RAM 256 SSD 10th generation Total number of systems Server Configuration NVIDIA GTX 1650 with 4 GB VRAM Ubuntu 20.04 LTS	Python, TensorFlow, Keras, Scikit-learn, Hadoop,R Language, Apache Spark, ThingSpeak, AWS IoT Core, Eclipse IoT, Kaa IoT Platform, ImageJ / Fiji, Tesseract OCR	115	Experimenting research works towards publications Interdisciplinary Project

TECHNOLOGY BUSINESS INCUBATOR (*TBI*)

Technology Business Incubator at MRCET is planned to provide a springboard to budding entrepreneurs who wish to launch themselves into the world of technology-based business careers. In the Technology Business Incubator (TBI) bright ideas can be developed to a product or service using advanced technology solutions. This innovation center is designed to provide all the support to make business ventures successful.

TABLE 5.8.3.2.2 DETAILS OF R and D LAB AND TECHNOLOGY BUSINESS INCUBATOR

NAME OF THE LABORATORY	NAME OF THE FACILITIES/ EQUIPMENT	Equipment's / Software's Available	NO OF UNITS	UTILIZATION
TECHNOLOGY BUSINESS INCUBATOR	Gigabyte I9 (9900K), Giga Z390 Pro, 16 GB Ram, 8TB HDD, 250GB SSD Hard Disk	Open Source Softwares	1	Designing and developing interdisciplinary project involving students from diverse departments. Solving industry problems given by the MHRD, Government of India
	Dell OptiPlex 7760 AIO CTO Intel i7-8700 (6 Cores/12MB/12T/4.6GHz) 1TB SATA HDD, 1TB M.2 SSD, 16GB DDR4 2666MHz 27" FHD Display		1	
	Dell Precision 3630 Tower Intel i7-9700K (8Core, 12MB Cache, 3.6Ghz) 2TB SATA HDD, 8GB 2666MHz UDIMM Non-ECC RAM		1	

6.4.2 .1-Technology Business Incubator

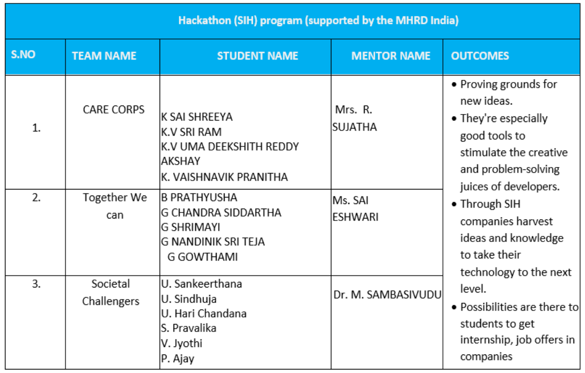


Table 6.4.3 Sample list of projects got shortlisted and participated in Smart India

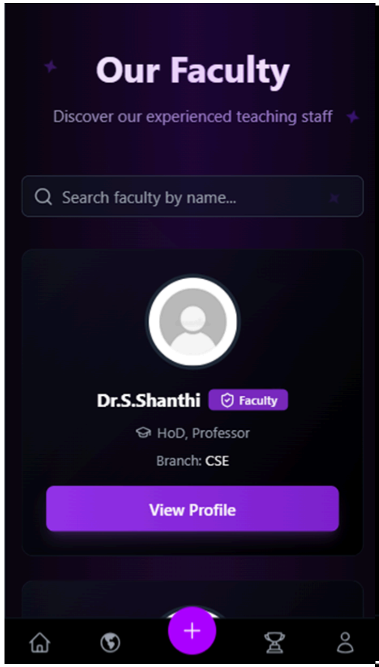
Hackathon (SIH) program (supported by the MHRD India)				
S.NO	**TEAM NAME**	**STUDENT NAME**	**MENTOR NAME**	**OUTCOMES**
1.	CARE CORPS	K SAI SHREEYA K.V SRI RAM K.V UMA DEEKSHITH REDDY AKSHAY K. VAISHNAVIK PRANITHA	Mrs. R. SUJATHA	• Proving grounds for new ideas. • They're especially good tools to stimulate the creative and problem-solving juices of developers. • Through SIH companies harvest ideas and knowledge to take their technology to the next level. • Possibilities are there to students to get internship, job offers in companies
2.	Together We can	B PRATHYUSHA G CHANDRA SIDDARTHA G SHRIMAYI G NANDINIK SRI TEJA G GOWTHAMI	Ms. SAI ESHWARI	
3.	Societal Challengers	U. Sankeerthana U. Sindhuja U. Hari Chandana S. Pravalika V. Jyothi P. Ajay	Dr. M. SAMBASIVUDU	

FIGURE.6.4.4- Internal Department Hackathon Images

5.8.3.2 INSTRUCTIONAL MATERIALS:

FACULTY HUB

MRCET FACULTY HUB is a web application designed to bridge the communication gap between faculty and students by enabling efficient sharing of educational resources. The platform allows faculty members to create accounts, maintain profiles, and post blogs, subject notes, and other academic documents relevant to their courses. Students can easily access these posts, download study materials, and stay updated with the latest academic content. The application aims to streamline the learning process by providing a centralized hub for academic resources, fostering better communication and collaboration. With user-friendly navigation and secure document management, MRCET FACULTY HUB enhances the educational experience by making knowledge sharing more organized and accessible. This project ultimately aims to create an interactive academic community at MRCET, encouraging continuous learning and engagement.



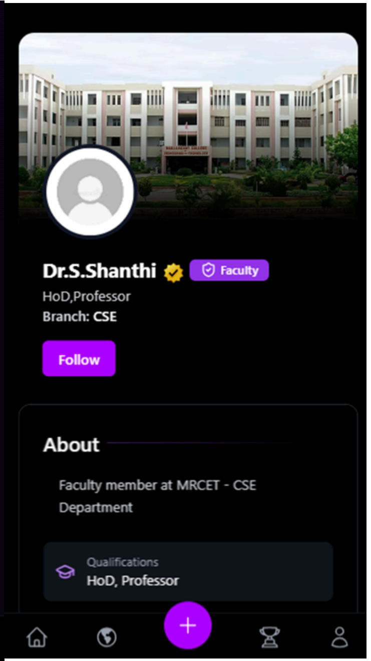
Our Faculty

Discover our experienced teaching staff

Dr.S.Shanthi Faculty

HoD, Professor

Branch: CSE



Dr.S.Shanthi Faculty

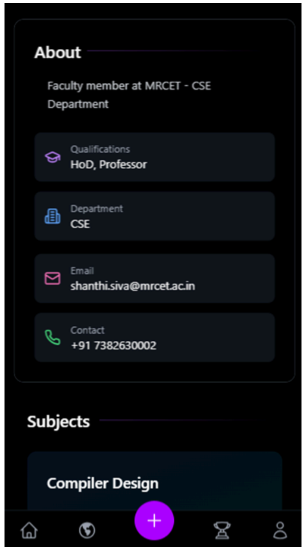
HoD,Professor

Branch: CSE

About

Faculty member at MRCET - CSE Department

Qualifications
HoD, Professor



About

Faculty member at MRCET - CSE Department

Qualifications
HoD, Professor

Department
CSE

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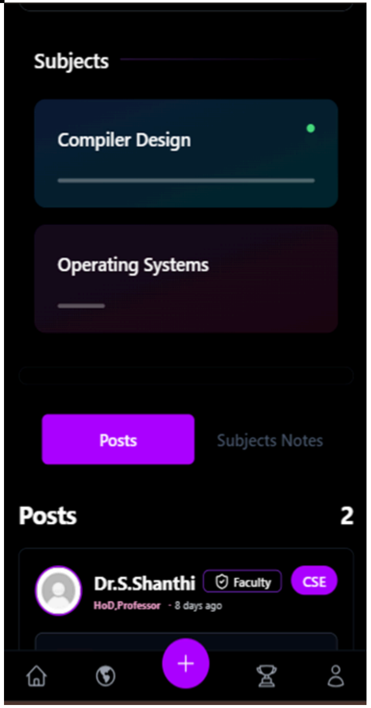
shanthi.siva@mrcet.ac.in

Contact
+91 7382630002

Subjects

Compiler Design



Subjects

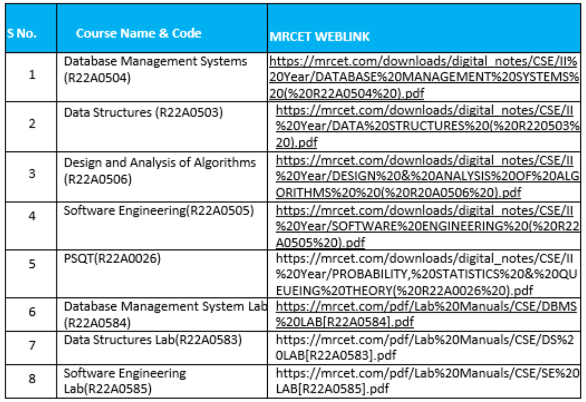
Compiler Design

Operating Systems

Posts 2

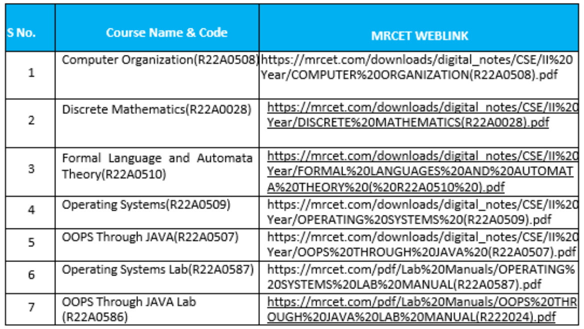
Dr.S.Shanthi Faculty CSE
HoD,Professor · 8 days ago

II-I SEMESTER



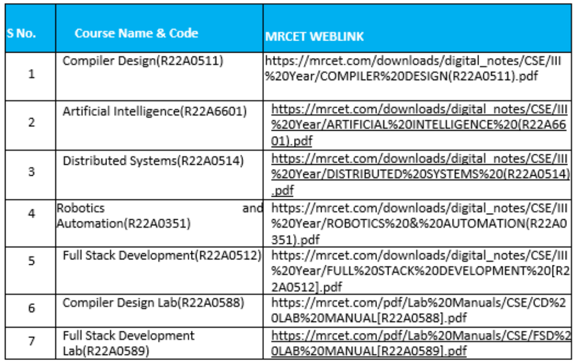
S No.	Course Name & Code	MRCET WEBLINK
1	Database Management Systems (R22A0504)	https://mrcet.com/downloads/digital_notes/CSE/II%20Year/DATABASE%20MANAGEMENT%20SYSTEMS%20(%20R22A0504%20).pdf
2	Data Structures (R22A0503)	https://mrcet.com/downloads/digital_notes/CSE/II%20Year/DATA%20STRUCTURES%20(%20R220503%20).pdf
3	Design and Analysis of Algorithms (R22A0506)	https://mrcet.com/downloads/digital_notes/CSE/II%20Year/DESIGN%20&%20ANALYSIS%20OF%20ALGORITHMS%20%20(%20R20A0506%20).pdf
4	Software Engineering(R22A0505)	https://mrcet.com/downloads/digital_notes/CSE/II%20Year/SOFTWARE%20ENGINEERING%20(%20R22A0505%20).pdf
5	PSQT(R22A0026)	https://mrcet.com/downloads/digital_notes/CSE/II%20Year/PROBABILITY,%20STATISTICS%20&%20QUEUEING%20THEORY(%20R22A0026%20).pdf
6	Database Management System Lab (R22A0584)	https://mrcet.com/pdf/Lab%20Manuals/CSE/DBMS%20LAB[R22A0584].pdf
7	Data Structures Lab(R22A0583)	https://mrcet.com/pdf/Lab%20Manuals/CSE/DS%20LAB[R22A0583].pdf
8	Software Engineering Lab(R22A0585)	https://mrcet.com/pdf/Lab%20Manuals/CSE/SE%20LAB[R22A0585].pdf

II-II SEMESTER

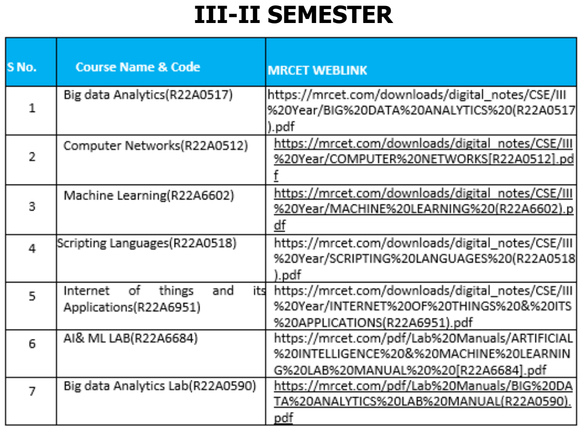


S No.	Course Name & Code	MRCET WEBLINK
1	Computer Organization(R22A0508)	https://mrcet.com/downloads/digital_notes/CSE/II%20Year/COMPUTER%20ORGANIZATION(R22A0508).pdf
2	Discrete Mathematics(R22A0028)	https://mrcet.com/downloads/digital_notes/CSE/II%20Year/DISCRETE%20MATHEMATICS(R22A0028).pdf
3	Formal Language and Automata Theory(R22A0510)	https://mrcet.com/downloads/digital_notes/CSE/II%20Year/FORMAL%20LANGUAGES%20AND%20AUTOMATA%20THEORY%20(%20R22A0510%20).pdf
4	Operating Systems(R22A0509)	https://mrcet.com/downloads/digital_notes/CSE/II%20Year/OPERATING%20SYSTEMS%20(R22A0509).pdf
5	OOPS Through JAVA(R22A0507)	https://mrcet.com/downloads/digital_notes/CSE/II%20Year/OOPS%20THROUGH%20JAVA%20(R22A0507).pdf
6	Operating Systems Lab(R22A0587)	https://mrcet.com/pdf/Lab%20Manuals/OPERATING%20SYSTEMS%20LAB%20MANUAL(R22A0587).pdf
7	OOPS Through JAVA Lab (R22A0586)	https://mrcet.com/pdf/Lab%20Manuals/OOPS%20THROUGH%20JAVA%20LAB%20MANUAL(R222024).pdf

III-I SEMESTER

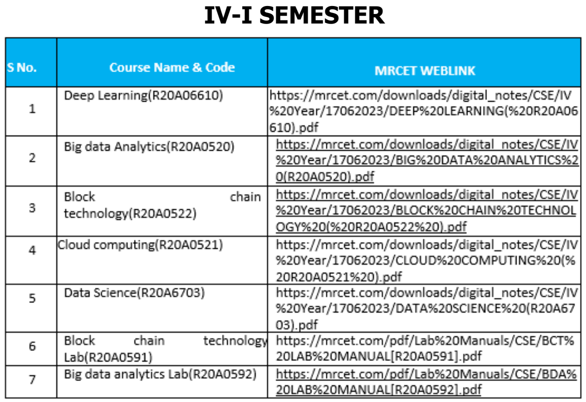


S No.	Course Name & Code	MRCET WEBLINK
1	Compiler Design(R22A0511)	https://mrcet.com/downloads/digital_notes/CSE/III%20Year/COMPILER%20DESIGN(R22A0511).pdf
2	Artificial Intelligence(R22A6601)	https://mrcet.com/downloads/digital_notes/CSE/III%20Year/ARTIFICIAL%20INTELLIGENCE%20(R22A6601).pdf
3	Distributed Systems(R22A0514)	https://mrcet.com/downloads/digital_notes/CSE/III%20Year/DISTRIBUTED%20SYSTEMS%20(R22A0514).pdf
4	Robotics and Automation(R22A0351)	https://mrcet.com/downloads/digital_notes/CSE/III%20Year/ROBOTICS%20&%20AUTOMATION(R22A0351).pdf
5	Full Stack Development(R22A0512)	https://mrcet.com/downloads/digital_notes/CSE/III%20Year/FULL%20STACK%20DEVELOPMENT%20[R22A0512].pdf
6	Compiler Design Lab(R22A0588)	https://mrcet.com/pdf/Lab%20Manuals/CSE/CD%20LAB%20MANUAL[R22A0588].pdf
7	Full Stack Development Lab(R22A0589)	https://mrcet.com/pdf/Lab%20Manuals/CSE/FSD%20LAB%20MANUAL[R22A0589].pdf



III-II SEMESTER

S No.	Course Name & Code	MRCET WEBLINK
1	Big data Analytics(R22A0517)	https://mrcet.com/downloads/digital_notes/CSE/III%20Year/BIG%20DATA%20ANALYTICS%20(R22A0517).pdf
2	Computer Networks(R22A0512)	https://mrcet.com/downloads/digital_notes/CSE/III%20Year/COMPUTER%20NETWORKS[R22A0512].pdf
3	Machine Learning(R22A6602)	https://mrcet.com/downloads/digital_notes/CSE/III%20Year/MACHINE%20LEARNING%20(R22A6602).pdf
4	Scripting Languages(R22A0518)	https://mrcet.com/downloads/digital_notes/CSE/III%20Year/SCRIPTING%20LANGUAGES%20(R22A0518).pdf
5	Internet of things and its Applications(R22A6951)	https://mrcet.com/downloads/digital_notes/CSE/III%20Year/INTERNET%20OF%20THINGS%20&%20ITS%20APPLICATIONS(R22A6951).pdf
6	AI& ML LAB(R22A6684)	https://mrcet.com/pdf/Lab%20Manuals/ARTIFICIAL%20INTELLIGENCE%20&%20MACHINE%20LEARNING%20LAB%20MANUAL%20%20[R22A6684].pdf
7	Big data Analytics Lab(R22A0590)	https://mrcet.com/pdf/Lab%20Manuals/BIG%20DATA%20ANALYTICS%20LAB%20MANUAL(R22A0590).pdf



IV-I SEMESTER

S No.	Course Name & Code	MRCET WEBLINK
1	Deep Learning(R20A06610)	https://mrcet.com/downloads/digital_notes/CSE/IV%20Year/17062023/DEEP%20LEARNING(%20R20A06610).pdf
2	Big data Analytics(R20A0520)	https://mrcet.com/downloads/digital_notes/CSE/IV%20Year/17062023/BIG%20DATA%20ANALYTICS%20(R20A0520).pdf
3	Block chain technology(R20A0522)	https://mrcet.com/downloads/digital_notes/CSE/IV%20Year/17062023/BLOCK%20CHAIN%20TECHNOLOGY%20(%20R20A0522%20).pdf
4	Cloud computing(R20A0521)	https://mrcet.com/downloads/digital_notes/CSE/IV%20Year/17062023/CLOUD%20COMPUTING%20(%20R20A0521%20).pdf
5	Data Science(R20A6703)	https://mrcet.com/downloads/digital_notes/CSE/IV%20Year/17062023/DATA%20SCIENCE%20(R20A6703).pdf
6	Block chain technology Lab(R20A0591)	https://mrcet.com/pdf/Lab%20Manuals/CSE/BCT%20LAB%20MANUAL[R20A0591].pdf
7	Big data analytics Lab(R20A0592)	https://mrcet.com/pdf/Lab%20Manuals/CSE/BDA%20LAB%20MANUAL[R20A0592].pdf

5.8.3.4 Working Models / Charts / Monograms etc.

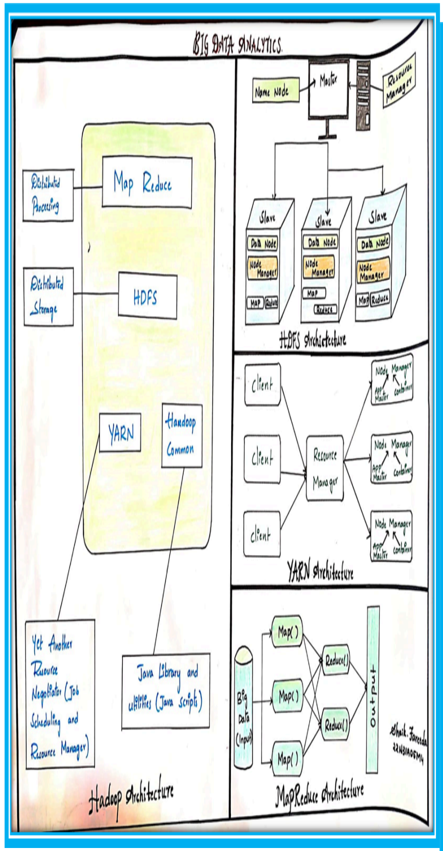
The department has many models created by students in terms of Charts, which are displayed in class rooms & laboratory. These prototype models help the students to understand the basic concepts of subject matter and recent technologies. In turn, these are used for better teaching and learning process as well by the faculty.

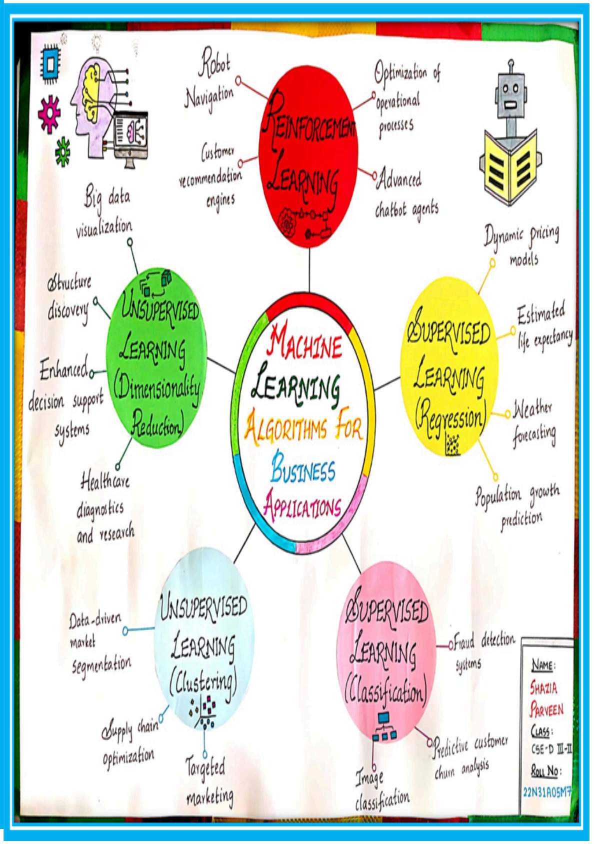
The details of working models have been shown in Table 5.8.10. Lab manuals are prepared by the faculty well in advance before commencement of the Laboratory classes and are circulated to students. The working models and charts have been displayed in the laboratory and classroom for student’s reference on the fly.

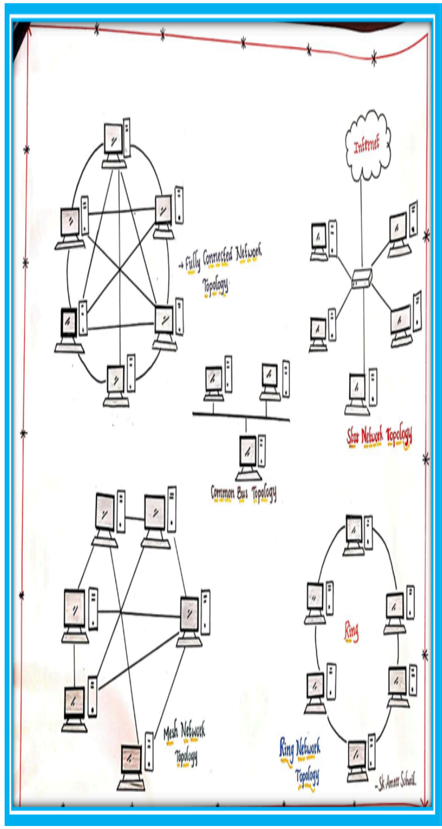
DETAILS OF WORKING MODELS

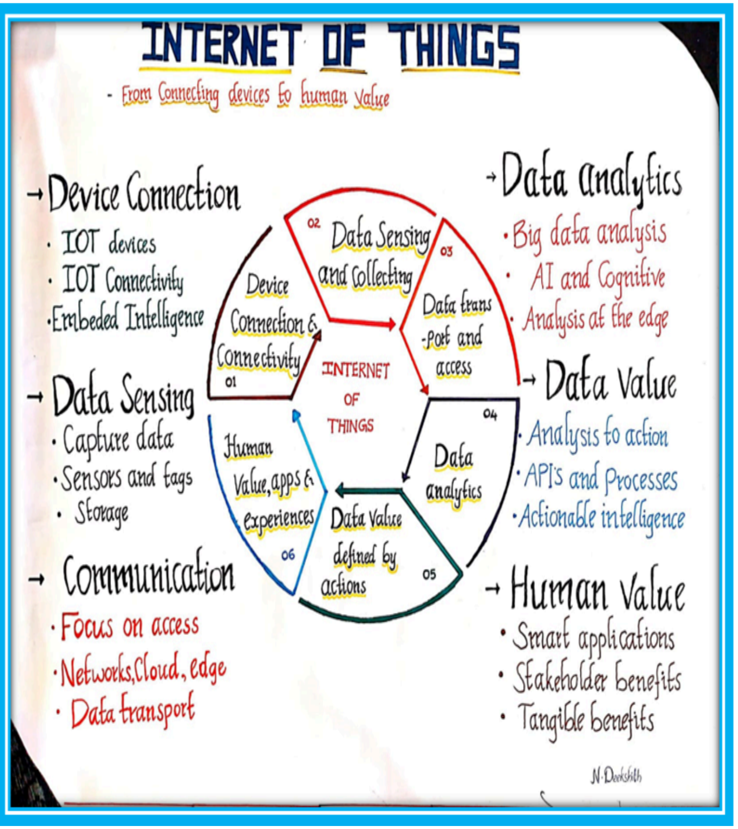
Table 5.8.10

S.NO	Working model
1	Charts to describe laboratory components, recent trends in Computer Science, assignment topics. Charts are prepared by students to explore, learn and disseminate technical concepts clearly.
2	Lab manual prepared well in advance before commencement of lab courses.
3	Animation Videos for teaching algorithms




MACHINE LEARNING ALGORITHMS FOR BUSINESS APPLICATIONS
REINFORCEMENT LEARNING
Robot Navigation
Customer recommendation engines
Optimization of operational processes
Advanced chatbot agents
SUPERVISED LEARNING (Regression)
Dynamic pricing models
Estimated life expectancy
Weather forecasting
Population growth prediction
SUPERVISED LEARNING (Classification)
Fraud detection systems
Predictive customer churn analysis
Image classification
UNSUPERVISED LEARNING (Clustering)
Data-driven market segmentation
Supply chain optimization
Targeted marketing
UNSUPERVISED LEARNING (Dimensionality Reduction)
Big data visualization
Structure discovery
Enhanced decision support systems
Healthcare diagnostics and research
NAME: SHAZIA PARVEEN
CLASS: CSE-D III-II
ROLL NO: 22N31A05M7





INTERNET OF THINGS

- From Connecting devices to human value

→ Device Connection
- IOT devices
- IOT Connectivity
- Embeded Intelligence

→ Data Sensing
- Capture data
- Sensors and tags
- Storage

→ Communication
- Focus on access
- Networks, Cloud, edge
- Data transport

→ Data analytics
- Big data analysis
- AI and Cognitive
- Analysis at the edge

→ Data Value
- Analysis to action
- API's and Processes
- Actionable intelligence

→ Human Value
- Smart applications
- Stakeholder benefits
- Tangible benefits

INTERNET OF THINGS
01 Device Connection & Connectivity
02 Data Sensing and Collecting
03 Data trans-port and access
04 Data analytics
05 Data Value defined by actions
06 Human Value, apps & experiences

N. Deekshith

5.8.4 Consultancy (from Industry) (20)

Institute Marks : 20.00

2023-24 (CAYm1)

Project Title	Duration	Funding Agency	Amount(in Rupees)
Development c	2023-24	Glossary Soft T	175000.00
Fertilizer Recoı	2023-24	LAKHSHYA CA	150000.00
Soil Classificati	2023-24	Coign Consulta	175000.00
			Total Amount(X): 500000.00

2022-23 (CAYm2)

Project Title	Duration	Funding Agency	Amount(in Rupees)
Movement Sen	2022-23	INFOLUMI BUS	200000.00
Design and De	2022-23	LAKHSHYA CA	150000.00
Vehicle Numbe	2022-23	COIGN CONSU	175000.00
			Total Amount(Y): 525000.00

2021-22 (CAYm3)

Project Title	Duration	Funding Agency	Amount(in Rupees)
Women Empowerment App	2021-22	Glossary Soft T	175000.00
Students Attendance using	2021-22	Coign Consulta	175000.00
Automatic Irrigation System	2021-22	InfoLumi Busin	300000.00
			Total Amount(Z): 650000.00

Cumulative Amount(X + Y + Z) = 1675000.00

5.9 Faculty Performance Appraisal and Development System (FPADS) (10) Total Marks 10.00

Institute Marks : 10.00

5.9.1. A well-defined system for faculty appraisal for all the assessment years

Malla Reddy College of Engineering and Technology has a self-appraisal system for the assessment of faculty and supporting staff performance in the academic year. The system is communicated to all faculty members and supporting staff during their joining.Faculty and supporting staff are required to fill the self-appraisal form at the end of each academic year.

The College/Department encourages a positive method in assisting faculty members to measure the strengths and weaknesses for the determination of maximizing performance and expanding professional growth.

- The performance appraisals are an inherent part of the process by which management can accomplish these objectives.
- The performance appraisals provide College management with information useful in merit salary determinations and at the same time, it offers opportunity for positive evaluation and discussion of employee weaknesses and strengths.
- The College/Department encourages faculty members, who are doing R&D projects and consultancy.
- The College/Department encourages faculty members, who are attending in the international/national conference.
- The College/Department encourages faculty members, who are filing patent/copyrights.
- The College/Department encourages faculty members, who are member of professional societies such as IEEE, ACM etc.

The evaluation is done in the following steps:

1. Self-assessment by faculty/supporting staff: The assessment should be filled and evaluated by respective faculty/supporting staff based predominantly on the criterion mentioned in the Self-Appraisal Form.

2. Evaluation by Head of the Department:

The assessment was filled and evaluated by the respective HOD based predominantly on the criterion mentioned in the Self-Appraisal Form. The overall utility/ contribution of the faculty/supporting staff to the department and institute are assessed. The marks allotted by faculty /staff are assessed by HOD in one-to-one interaction. HOD gives a remark and forwards it to the principal.

3. Evaluation by Principal :

Once the evaluation by HOD is done, the Principal would complete the Assessment with his/her remarks. The Principal interacts with faculty and staff on a one-to-one basis. The assessment is reviewed based on self and HOD’s comments.

The College/ management also rewards the best faculty on the following factors

- Student’s feedback.
- The faculty’s self-appraisal report.
- HOD’s Evaluation.
- The remarks given by faculty appraisal committee, headed by principal.
- The increments and promotions also add some effect to these scores.

The principal gives the appreciation, feedback and suggestion to the individual based on his/her performance.

- Appreciation for the faculty, who had an excellent track record during the academic year.
- Improvement for the underperforming faculty for better performance in the upcoming academic years.

5.9.2. Implementation & Effectiveness:

• The Institution strives hard to promote professional development of faculty by encouraging them to attend general orientation courses, refresher Courses, training programs and workshops organized by the reputed Institutions/universities.

• Organizing national /international seminars/guest lecturers/ workshops/ conferences on crucial issues.

•Granting leave for attending state/national seminars/workshops/FDPs etc.

•Encouraging faculty to apply for research grants.

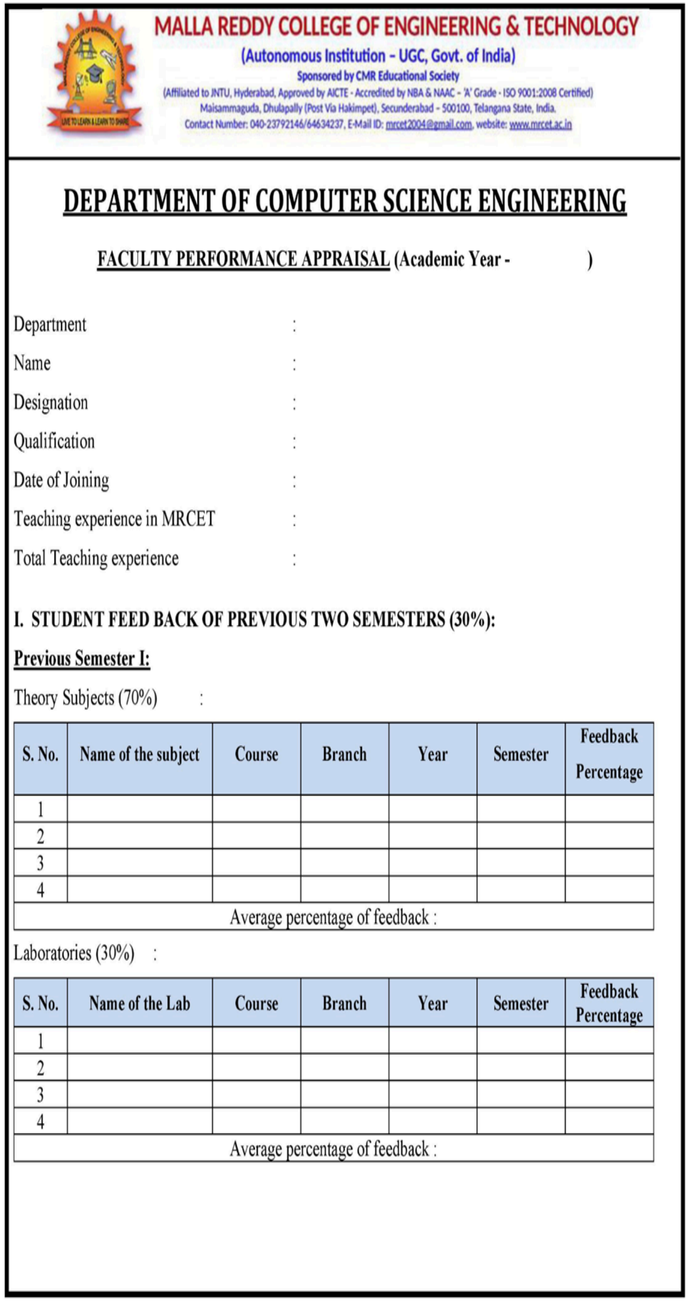
•The college/ department take feedback of the faculties from the students which are used as evaluation in faculty appraisal.

•The minimum feedback for a faculty member from the students is 3.5 for 5 scale rating system. Any faculty who are scoring less than the institution standard, necessary corrective actions are followed.

•Necessary advice by the Head of the department about handling and monitoring the class to the faculty.

•Deputing faculty to the Faculty Development Program (FDP).

•Counseling the faculty through HOD’s about building confidence in handling the subjects.



MALLA REDDY COLLEGE OF ENGINEERING & TECHNOLOGY
(Autonomous Institution – UGC, Govt. of India)
Sponsored by CMR Educational Society
(Affiliated to JNTU, Hyderabad, Approved by AICTE - Accredited by NBA & NAAC – 'A' Grade - ISO 9001:2008 Certified)
Maisammaguda, Dhulapally (Post Via Hakimpet), Secunderabad – 500100, Telangana State, India.
Contact Number: 040-23792146/64634237, E-Mail ID: mrcet2004@gmail.com, website: www.mrcet.ac.in

DEPARTMENT OF COMPUTER SCIENCE ENGINEERING

FACULTY PERFORMANCE APPRAISAL (Academic Year -)

Department :
Name :
Designation :
Qualification :
Date of Joining :
Teaching experience in MRCET :
Total Teaching experience :

I. STUDENT FEED BACK OF PREVIOUS TWO SEMESTERS (30%):

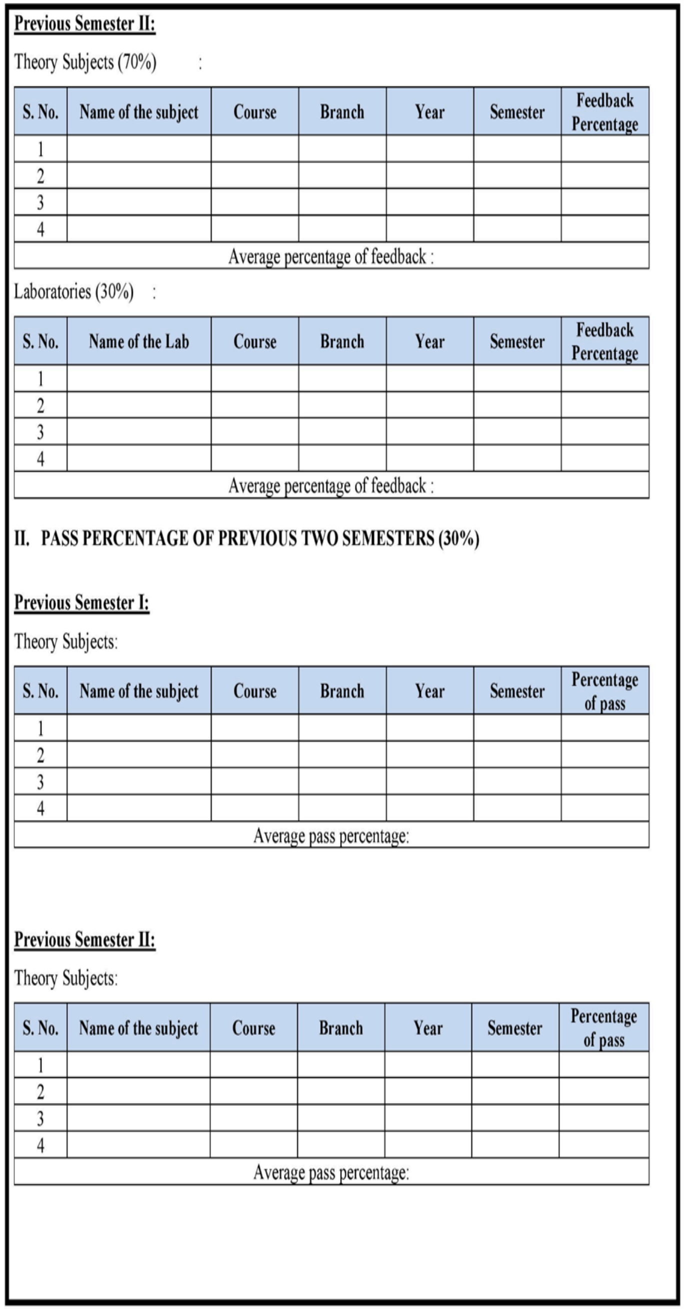
Previous Semester I:

Theory Subjects (70%) :

S. No.	Name of the subject	Course	Branch	Year	Semester	Feedback Percentage
1						
2						
3						
4						
Average percentage of feedback :						

Laboratories (30%) :

S. No.	Name of the Lab	Course	Branch	Year	Semester	Feedback Percentage
1						
2						
3						
4						
Average percentage of feedback :						



Previous Semester II:

Theory Subjects (70%) :

S. No.	Name of the subject	Course	Branch	Year	Semester	Feedback Percentage
1						
2						
3						
4						
Average percentage of feedback :						

Laboratories (30%) :

S. No.	Name of the Lab	Course	Branch	Year	Semester	Feedback Percentage
1						
2						
3						
4						
Average percentage of feedback :						

II. PASS PERCENTAGE OF PREVIOUS TWO SEMESTERS (30%)

Previous Semester I:

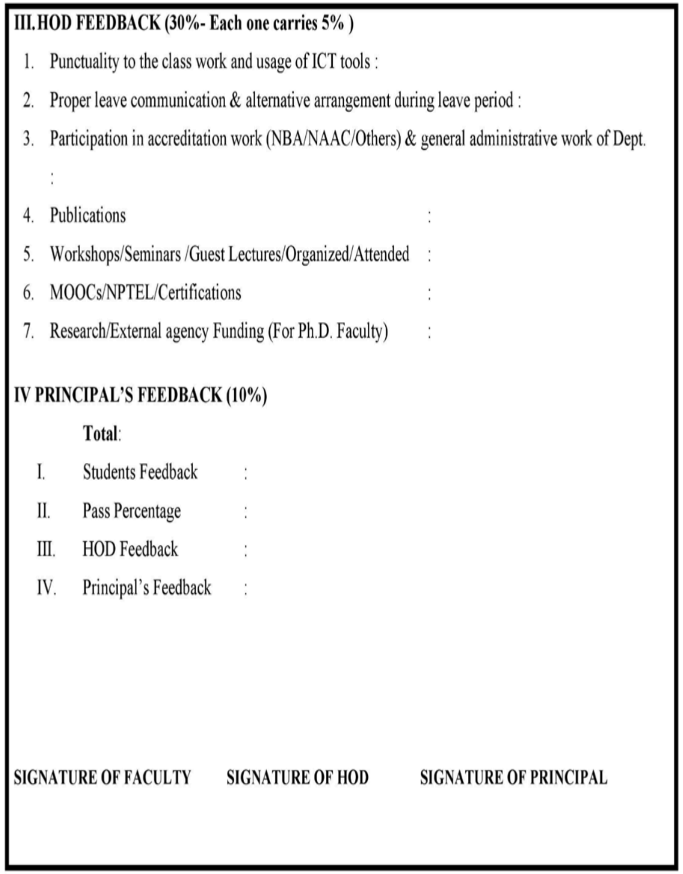
Theory Subjects:

S. No.	Name of the subject	Course	Branch	Year	Semester	Percentage of pass
1						
2						
3						
4						
Average pass percentage:						

Previous Semester II:

Theory Subjects:

S. No.	Name of the subject	Course	Branch	Year	Semester	Percentage of pass
1						
2						
3						
4						
Average pass percentage:						



III. HOD FEEDBACK (30%- Each one carries 5%)

1. Punctuality to the class work and usage of ICT tools :
2. Proper leave communication & alternative arrangement during leave period :
3. Participation in accreditation work (NBA/NAAC/Others) & general administrative work of Dept. :
4. Publications :
5. Workshops/Seminars /Guest Lectures/Organized/Attended :
6. MOOCs/NPTEL/Certifications :
7. Research/External agency Funding (For Ph.D. Faculty) :

IV PRINCIPAL'S FEEDBACK (10%)

Total:

I. Students Feedback :
II. Pass Percentage :
III. HOD Feedback :
IV. Principal's Feedback :

SIGNATURE OF FACULTY **SIGNATURE OF HOD** **SIGNATURE OF PRINCIPAL**

5.10 Visiting/Adjunct/Emeritus Faculty etc. (10) Total Marks 10.00

Institute Marks : 10.00

Visiting /Adjunct/Emeritus Faculty

The Department of Computer Science and Engineering regularly encourages the conduction of lectures by visiting/Adjunct faculty members. These adjunct faculties are industry experts from various domains and the aim of encouragement is to bridge the Industry-Academia gap.

Table 5.10.1 Summary of the Visiting/Adjunct Faculty

Academic Year	No of Hours
2024-2025	55
2023-2024	65
2022-2023	60

Table 5.10.2 Visiting Faculty Details

S. No	Academic Year	Name of the expert	Designation	Industry/ Organization	No of hours
1	**2024 - 2025**	Mr. Praveen Kumar Kotte	Senior Engineer	Agility E services , Hyderabad	25
		Mr. Guru prasad Kannan	Tech Lead	Accenture, Hyderabad	30
2	**2023 - 2024**	Mr. Vamshi Krishna Kukkudapu	Analytics Manager	TCS, Hyderabad	15
		Mr. Krishna kanth	Senior Software Engineer	TCS, Hyderabad	20
		Mrs. Siri chandana Perudi	Sr. Analyst	Wissen infotech, Hyderabad	30
3	**2022 - 2023**	Mr. Krishna kanth	Senior Software Engineer	TCS, Hyderabad	20
		Mr. Guru prasad Kannan	Tech Lead	Accenture, Hyderabad	20
		Mr. Prasad P	Senior Engineer	HCL Technologies, Hyderabad	20

6 FACILITIES AND TECHNICAL SUPPORT (80)

Total Marks 80.00

6.1 Adequate and well equipped laboratories, and technical manpower (40)

Total Marks 40.00

Institute Marks : 40.00

Sr. No	Name of the Laboratory	Number of students per set up(Batch Size)	Name of the Important Equipment	Weekly utilization status(all the courses for which the lab is utilized)	Technical Manpower Support		
					Name of the Technical staff	Designation	Qualification
1	Lab 1/1 Alan Tu	36	DellVostro3268	24 Hours,Datab	Mr.B.Vasu	Programmer	B. Tech IT
2	Lab1/2- Alan Tu	36	DellVostro3268	24 Hours,Datab	Mr.P.Srinivas	System Admini	M.Tech CSE
3	Lab1/3- Alan Tu	36	DellVostro3268	24 Hours,Datab	Mr.P.Srinivas	System Admini	M.Tech CSE
4	Lab 2/1 - KenT	36	DellVostro3471	24 Hours, Softw	Mrs.Vaishanvi	Programmer	B.Tech IT
5	Lab 2/2 - KenT	36	DellVostro3471	24 Hours, Softw	Mrs.K.Banu	Programmer	B.Tech IT
6	Lab 3/1 - Von N	36	Dell Vostro 368	24 Hours,Full S	Ms.Gayathri	Programmer	B. Sc Compute
7	Lab 3/2 - Von N	36	Dell Vostro 368	24 Hours,Full S	Mrs.Prema	Programmer	MCA, M. Tech
8	Lab 3/3- Von N	36	Dell Vostro 368	24 Hours,Full S	Mr.A.Suresh	Programmer	B .Tech CSE
9	Lab 4/1- Alexan	36	Lenova Intel i5	26 Hours,Comp	Mr.Harikrishna	Programmer	B.Com
10	Lab 4/2- Alexan	36	Lenova Intel i5	26 Hours Com	Mr.Shekar	Programmer	M.Tech CSE
11	Lab 5/1- Elon M	36	DELL 36 RAM	26 Hours, Big D	Mr.Thirupathi	Programmer	M.Tech CSE
12	Lab 5/2- Elon M	36	Dell 36 RAM 8	26 Hours, Big D	Mrs. Padma	Programmer	M.Tech CSE
13	Lab 6/1- Steph	36	Dell 36 8GB RA	30 Hours, Mini-	Mrs. Divya	Programmer	B.Com
14	Lab 6/2- Steph	36	Dell 36 8GB RA	30 Hours, Mini-	Mrs.Vaishanvi	Programmer	B.Tech IT

6.2 Laboratories maintenance and overall ambiance (10)

Total Marks 10.00

Institute Marks : 10.00

The Department is equipped with sophisticated laboratories and high end systems to satisfy the curriculum requirements. All the computer laboratories have spacious space, well ventilated, ample lightning system, adequate electrical fittings and provided with air conditioning system and safety aids. Overall ambience of all the Laboratories is maintained appropriately.

MAINTENANCE OF LABORATORY EQUIPMENTS:

- Regular check-up of equipments is carried out at the end of every semester.
- All the identified damaged equipment's are identified and serviced regularly before the commencement of the semester.
- Well trained technical staffs are available for maintenance of computers and softwares.
- Minor repairs are carried out by the technical staff based on available resources and expertise.
- Major repairs are outsourced as per the procedure of the institute.
- All the computers are protected with antivirus software.
- All necessary software are installed and maintained regularly (MS office, Web browser, antivirus, etc.).
- Informative notice boards containing safety measures, Do's & Don'ts are maintained.
- Stock register and Maintenance registers are maintained in the laboratories

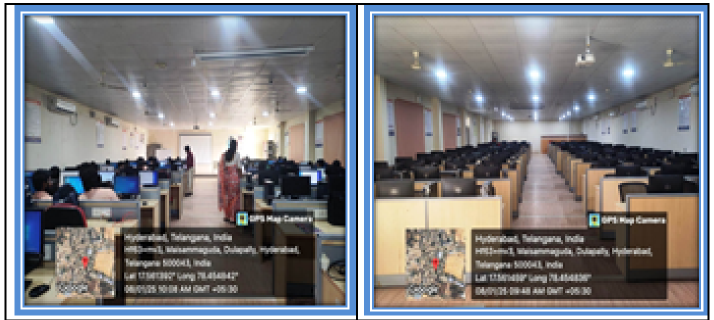
MAINTANENCE OF COMPUTER LABS:

- **Step 1:** Establishing the perimeters of our computer lab according to our organizations rules. Concerned Lab In-charges will decide what search terms or websites our students require for that lab. We also establish the criteria for firewall.
- **Step 2:** Providing sufficient air circulation and enough lighting to the main server of the computer lab.
- **Step 3:** Providing sufficient air circulation and enough lighting to the main server of the computer lab.
- **Step 4:** Plugging all computer equipment into a surge protector. Spikes and surges in electrical power can break or damage electrical equipment, as well as lose lab users data. This is especially important for computer labs to avoid damage from lightning storms.
- **Step 5:** Setting up a firewall to protect systems of computer lab.
- **Step 6:** Setting up weekly updates or automatic updates for lab computers. Many computer programs, such as Microsoft Office Suite,update their software and protection regularly. Scheduling of updates for a time when the computers are not in public use.
- **Step 7:** Installing an anti-virus program on the computers and/or network. This will usually stop a program from downloading if it suspects a virus.
- **Step 8:** Installing an anti-spyware program on computers and/or network. Spyware programs install themselves onto computers to gather personal information.Anti-virus and anti-spyware programs are especially important for Windows operating systems. Schedule scans on both programs every week.
- **Step 9:** Back up computers on a regular basis. If computers become corrupted by a virus, we can return to the previous backup to restore it.
- **Step 10:** Using the hard disc cleanup and defragmentation utilities regularly. These Windows utilities regularly remove temporary files and keep the hard drive from fragmenting.

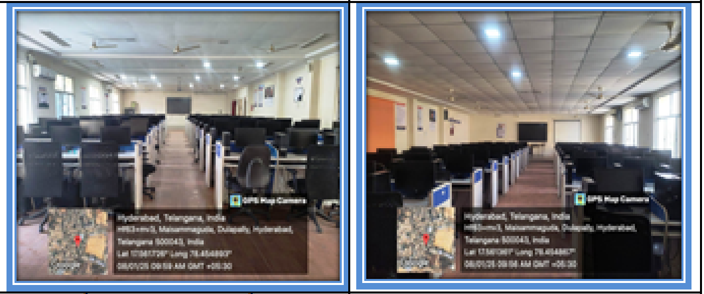
- **Step 11:** Do not unplug printers, scanners and other connected machines when the computers are on. Eject any USB devices before unplugging them.
- **Step 12:** Turning off all computers by selecting the shut down option on the desktop. Pressing the "Power" button to turn off computers is to be avoided.Students are to be instructed to press the "Control," "Alt" and "Delete" buttons if their computer freezes, rather than shutting it down with the "Power" button.
- **Step 13:** Cleaning the computer lab regularly.

OVERALL AMBIENCE OF THE LAB:

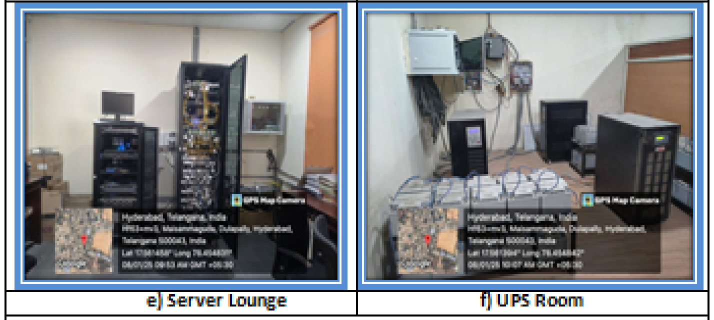
- All laboratories have sufficient natural light and good ventilation, air conditioning facility along with lights and fans is provided in every laboratory.
- Department of CSE has adequate number of well-equipped laboratories and systems that are utilized on a regular time line basis to satisfy the requirements as per the curriculum and based on requirements of the students.
- Each student is provided with well-maintained system with chair and furniture in the ratio of 1:1 in all laboratories.
- Computer labs are equipped with sufficient hardware and software to practice the programs as per syllabus and for additional experiments.
- UPS facility is available in all the laboratories.
- All the laboratories are equipped with Computer, Internet, Digital board and white board and other teaching- learning aids.
- Notice boards are available in the laboratories to display laboratory related circulars to the students.
- Racks are available in each Lab for students to place their belonging
- Internet facility is available in all the laboratories as per the following specification
- Vainavi pvt.ltd (1:1 dedicated Leased Line Connection) - 1GBPS



a) Full Stack Development Lab b) AIML Lab



c) Data Structures Lab d) Operating Systems Lab



e) Server Lounge f) UPS Room

FIGURE.6.2.1.SAMPLE LABORATORY PHOTOGRAPHS

6.3 Safety measures in laboratories (10) Total Marks 10.00

Institute Marks : 10.00

Sr. No	Laboratory Name	Safety Measures
1	Alan Turing Lab [DBMS Lab, OOPS LAB]	• Safety instructions for students are displayed in the Laboratory. • Fire Extinguishers are installed at appropriate places in the Laboratory. • All electrical equipment are protected against over-voltages and short-circuits using MCBs • Proper earthing has been done for all Electrical Equipment. • All the Labs are well equipped with required Anti Virus software's. • Firewalls have been installed to avoid the malicious attacks. • CCTV camera attached in all labs. • Permission denied for pen drives. • UPS backup: Labs are having 20 KVA of backup supply • Computers should be turned off properly before leaving the lab. • The student must check the computer unit and its peripherals attached before using it. The student must immediately inform the instructor if there's any defect, error or damage observed at the computer (hardware/software).
2	Ken Thompson Lab[Software Engineering Lab, Operating Systems Lab]	• Safety instructions for students are displayed in the Laboratory. • Fire Extinguishers are installed at appropriate places in the Laboratory. • All electrical equipment are protected against over-voltages and short-circuits using MCBs • Proper earthing has been done for all Electrical Equipment. • All the Labs are well equipped with required Anti Virus software's. • Firewalls have been installed to avoid the malicious attacks. • CCTV camera attached in all labs. • Permission denied for pen drives. • UPS backup: Labs are having 20 KVA of backup supply • Computers should be turned off properly before leaving the lab. • The student must check the computer unit and its peripherals attached before using it. The student must immediately inform the instructor if there's any defect, error or damage observed at the computer (hardware/software).
3	Von Neumann Lab[Full stack Development Lab, AIML Lab]	• Safety instructions for students are displayed in the Laboratory. • Fire Extinguishers are installed at appropriate places in the Laboratory. • All electrical equipment are protected against over-voltages and short-circuits using MCBs • Proper earthing has been done for all Electrical Equipment. • All the Labs are well equipped with required Anti Virus software's. • Firewalls have been installed to avoid the malicious attacks. • CCTV camera attached in all labs. • Permission denied for pen drives. • UPS backup: Labs are having 20 KVA of backup supply • Computers should be turned off properly before leaving the lab. • The student must check the computer unit and its peripherals attached before using it. The student must immediately inform the instructor if there's any defect, error or damage observed at the computer (hardware/software).
4	Alexander Graham Bell Lab[Compiler Design Lab, IOP]	• Safety instructions for students are displayed in the Laboratory. • Fire Extinguishers are installed at appropriate places in the Laboratory. • All electrical equipment are protected against over-voltages and short-circuits using MCBs • Proper earthing has been done for all Electrical Equipment. • All the Labs are well equipped with required Anti Virus software's. • Firewalls have been installed to avoid the malicious attacks. • CCTV camera attached in all labs. • Permission denied for pen drives. • UPS backup: Labs are having 20 KVA of backup supply • Computers should be turned off properly before leaving the lab. • The student must check the computer unit and its peripherals attached before using it. The student must immediately inform the instructor if there's any defect, error or damage observed at the computer (hardware/software).
5	Elon Musk Lab[Big Data Analytics Lab]	• Safety instructions for students are displayed in the Laboratory. • Fire Extinguishers are installed at appropriate places in the Laboratory. • All electrical equipment are protected against over-voltages and short-circuits using MCBs • Proper earthing has been done for all Electrical Equipment. • All the Labs are well equipped with required Anti Virus software's. • Firewalls have been installed to avoid the malicious attacks. • CCTV camera attached in all labs. • Permission denied for pen drives. • UPS backup: Labs are having 20 KVA of backup supply • Computers should be turned off properly before leaving the lab. • The student must check the computer unit and its peripherals attached before using it. The student must immediately inform the instructor if there's any defect, error or damage observed at the computer (hardware/software).

6	George Stephenson[Mini and Major Project Lab]	• Safety instructions for students are displayed in the Laboratory. • Fire Extinguishers are installed at appropriate places in the Laboratory. • All electrical equipment are protected against over-voltages and short-circuits using MCBs • Proper earthing has been done for all Electrical Equipment. • All the Labs are well equipped with required Anti Virus software's. • Firewalls have been installed to avoid the malicious attacks. • CCTV camera attached in all labs. • Permission denied for pen drives. • UPS backup: Labs are having 20 KVA of backup supply • Computers should be turned off properly before leaving the lab. • The student must check the computer unit and its peripherals attached before using it. The student must immediately inform the instructor if there's any defect, error or damage observed at the computer (hardware/software).

6.4 Project laboratory (20) Total Marks 20.00

Institute Marks : 20.00

6.4.1 PROJECT LABORATORY

- The project laboratory is established and exclusively utilized for carrying out for project and research work with latest software and hardware facilities.
- Computer Science and Engineering (CSE) department that has a dedicated lab with 84 computers for project work.
- The Project Laboratory in the CSE department is a crucial space where students bridge the gap between theoretical knowledge and practical application.
- Institute provide technical and financial support for students to participate and demonstrate their projects in various events such as Hackathon, SIH, technical symposium and the related works will be carried out in the project lab etc.

The facilities of the project laboratory is shown in Table 6.4.1

Laboratory Name	**Project Lab[George Stephenson Lab]**
Number of Computers	**84**
Computer Configuration	**Lenovo36 16GB RAM, HDD-256 GB 12th Gen Intel ® Core ™ i5-12400 2.50GHz**
Software Details	• **Oracle PL/SQL** • **Wamp /X amp Server** • **Java SE Development Kit** • **My Eclipse ,Latex** • **QGIS, PostgreSQL** • **Python** • **MySQL** • **Node.js** • **Bootstrap** • **AngularJS** • **Brackets** • **Bower** • **Gulp.js** • **MongoDB** • **GitLab** • **Wekatool**
Internet Facility	**1GB Mbps bandwidth**
Utilization	**Utilized by UG and PG students and research scholars for project and research work**
Relevance to PO'S & PSO'S	**PO1, PO2,PO3, PO4, PO5, PO9, PO10, PO12.** **PSO1,PSO2,PSO3**

Table 6.4.1 Details of Project Laboratory

The Project laboratory is shown below in Figure 6.4.1.1

6.4.1.1 Projects implemented by students in Project Lab

6.4.2 TECHNOLOGY BUSINESS INCUBATOR (TBI)

Technology Business Incubator at MRCET is planned to provide a springboard to budding entrepreneurs who wish to launch themselves into the world of technology based business careers. In the Technology Business Incubator (TBI) bright ideas can be developed to a product or service using advanced technology solutions. This innovation centre is designed to provide all the support to make business ventures successful.

TABLE 6.4.2 DETAILS OF TECHNOLOGY BUSINESS INCUBATOR

NAME OF THE LABORATORY	NAME OF THE FACILITIES/ EQUIPMENT	NO OF UNITS	UTILIZATION
TECHNOLOGY BUSINESS INCUBATOR	Gigabyte I9 (9900K), Giga Z390 Pro, 16 GB Ram, 8TB HDD, 250GB SSD Hard Disk	1	Research and Project Work
	Dell Optiplex 7760 AIO CTO Intel i7-8700 (6 Cores/12MB/12T/4.6GHz) 1TB SATA HDD, 1TB M.2 SSD, 16GB DDR4 2666MHz 27” FHD Display	1	
	Dell Precision 3630 Tower Intel i7-9700K (8Core, 12MB Cache, 3.6Ghz) 2TB SATA HDD, 8GB 2666MHz UDIMM Non-ECC RAM	1	

The Technology Business Incubator is shown below in Figure 6.4.2.1

6.4.2.1-TECHNOLOGY BUSINESS INCUBATOR

Table 6.4.3 Sample list of projects got shortlisted and participated in Smart India Hackathon (SIH) program (supported by the MHRD India)

S.NO	TEAM NAME	STUDENT NAME	MENTOR NAME	OUTCOMES
1.	CARE CORPS	K SAI SHREEYA K.V SRI RAM K.V UMA DEEKSHITH REDDY AKSHAY K. VAISHNAVIK PRANITHA	Mrs. R.SUJATHA	• Proving grounds for new ideas. • Theyre especially good tools to stimulate the creative and problem-solving juices of developers. • Through SIH companies harvest ideas and knowledge to take their technology to the next level. • Possibilities are there to students to get internship, job offers in companies
2.	Together We can	B PRATHYUSHA G CHANDRA SIDDARTHA G SHRIMAYI G NANDINIK SRI TEJA G GOWTHAMI	Ms. SAI ESHWARI	
3.	Societal Challengers	U. Sankeerthana U. Sindhuja U. Hari chandana S. Pravalika V. Jyothi P. Ajay	Dr. M.SAMBASIVUDU	

FIGURE.6.4.4- Internal Department Hackathon Images

7 CONTINUOUS IMPROVEMENT (75)

Total Marks 75.00

7.1 Actions taken based on the results of evaluation of each of the COs, POs & PSOs (30)

Total Marks 30.00

Institute Marks : 30.00

POs Attainment Levels and Actions for Improvement- (2023-24)

<table>
<tr><th>POs</th><th>Target Level</th><th>Attainment Level</th><th>Observations</th></tr>
<tr><td colspan="4"><b>PO 1 : Engineering Knowledge</b></td></tr>
<tr><td>PO 1</td><td>2.5</td><td>2.74</td><td>The PO attainment is above the Target Level. The target level for PO1 is not achieved in subjects like CS101, CS106, and CS110 due to a lack of direct technical application.</td></tr>
<tr><td colspan="4">Action 1. Integrate Practical Applications: Introduce hands-on problem-solving sessions, case studies, and real-world scenarios to help students connect theoretical concepts with engineering applications. Action 2. Enhance Technical Communication: Conduct activities that improve technical writing and presentation skills, ensuring students can articulate engineering concepts effectively. Action 3. Industry Exposure & Expert Sessions: Organize guest lectures, workshops, and industry interactions to provide students with insights into the practical implementation of engineering fundamentals.</td></tr>
<tr><td colspan="4"><b>PO 2 : Problem Analysis</b></td></tr>
<tr><td>PO 2</td><td>2.5</td><td>2.71</td><td>The PO attainment is above the Target Level. The target level for PO2 is not achieved in subjects like CS101, CS110, and CS413 due to limited focus on problem identification and analytical skills.</td></tr>
<tr><td colspan="4">Action 1. Incorporate Analytical Case Studies: Introduce case studies and real-world problem-solving exercises to help students develop critical thinking and analytical skills. Action 2. Enhance Research and Literature Review Skills: Encourage students to review technical research papers, industry reports, and problem-based learning approaches to strengthen analytical thinking. Action 3. Interdisciplinary Project-Based Learning: Implement projects that require students to analyze and solve real-world problems by integrating knowledge from multiple subjects.</td></tr>
<tr><td colspan="4"><b>PO 3 : Design/development of Solutions</b></td></tr>
<tr><td>PO 3</td><td>2.5</td><td>2.56</td><td>The PO attainment is above the Target Level. The target level for PO3 is not achieved in CS115, CS210, and CS217 due to insufficient practical exposure to designing and developing engineering solutions.</td></tr>
<tr><td colspan="4">Action 1. Enhanced Practical Exposure: Incorporate hands-on design-oriented assignments, mini-projects, and problem-solving exercises across all relevant courses to strengthen students' ability to develop engineering solutions. Action 2. Industry-Relevant Case Studies: Introduce real-world case studies, innovation challenges, and interdisciplinary applications to improve students’ analytical and problem-solving skills while ensuring legal and ethical considerations are addressed.</td></tr>
<tr><td colspan="4"><b>PO 4 : Conduct Investigations of Complex Problems</b></td></tr>
<tr><td>PO 4</td><td>2.5</td><td>2.51</td><td>The PO attainment is above the Target Level. The target level for PO4 is not achieved in CS101, CS102 , CS110 , CS111 , CS115 , and CS210 due to limited exposure to research-based learning and investigative methodologies.</td></tr>
<tr><td colspan="4">Action 1. Integration of Research-Based Learning: Incorporate research-oriented assignments, open-ended experiments, and case studies across relevant courses to enhance students' analytical and investigative skills. Action 2. Emphasis on Data Analysis and Problem-Solving: Encourage students to work on real-world data interpretation, hypothesis formulation, and exploratory problem-solving using mathematical and computational techniques.</td></tr>
<tr><td colspan="4"><b>PO 5 : Modern Tool Usage</b></td></tr>
<tr><td>PO 5</td><td>2.5</td><td>2.74</td><td>The PO attainment is above the Target Level. The target level for PO5 is not fully achieved in CS103 , CS115 , and CS210 due to limited application of modern tools and software.</td></tr>
<tr><td colspan="4">Action 1. Integration of Modern Software Tools: Encourage the use of computational tools like MATLAB and Python across relevant courses to enhance problem-solving, simulation, and data analysis skills. Action 2. Practical Implementation in Labs: Incorporate modern software applications in laboratory experiments and assignments to improve students’ proficiency in using technology for engineering solutions.</td></tr>
</table>

PO 6 : The Engineer and Society

PO 6	2.5	1.90	The PO attainment is below the Target Level and not achieved. The target level for PO6 is not fully achieved in CS203 , CS204 , and CS211 due to limited emphasis on societal, ethical, and legal considerations in computing.
Action 1. Integration of Ethical and Societal Case Studies: Introduce real-world case studies on algorithmic bias, cybersecurity, and data privacy across relevant courses to enhance students' awareness of ethical and legal considerations. Action 2. Sustainability and Social Impact Discussions: Incorporate discussions on sustainability, responsible computing, and the societal implications of emerging technologies to foster awareness of their broader impact.			

PO 7 : Environment and Sustainability

PO 7	2.5	1.95	The PO attainment is below the Target Level and not achieved. The target level for PO7 is not fully achieved in CS105 , CS210 , CS211 , and CS212 due to a lack of direct emphasis on sustainability aspects in computing.
Action 1. Integration of Sustainable Computing Practices: Incorporate discussions on energy-efficient programming, optimized algorithms, and eco-friendly software development across relevant courses. Action 2. Case Studies on Sustainability in Computing: Introduce real-world examples of sustainable computing applications, such as power-efficient hardware, cloud-based solutions, and environmentally responsible software engineering practices.			

PO 8 : Ethics

PO 8	2.5	1.94	The PO attainment is below the Target Level and not achieved. The target level for PO8 is not fully achieved in CS105 , CS210 , and CS211 due to limited direct coverage of ethical considerations in computing.
Action 1. Integration of Ethical Case Studies: Incorporate discussions on ethical dilemmas in programming, software piracy, open-source contributions, and responsible AI development across relevant courses. Action 2. Promotion of Ethical Coding Practices: Encourage students to adhere to best practices in software development, including intellectual property rights, proper documentation, and responsible use of computing resources.			

PO 9 : Individual and Team Work

PO 9	2.5	2.53	The PO attainment is above the Target Level. PO9 (Individual and Teamwork) is not fully attained in CS103 , CS107 , CS115 , CS205 , CS210 , and CS335 due to a lack of structured collaborative activities in labs and theoretical courses.
Action 1. Encourage Team-Based Learning: Implement group assignments and collaborative projects in labs and theoretical subjects to enhance teamwork skills. Action 2. Promote Interdisciplinary Collaboration: Organize cross-course projects where students apply concepts from multiple domains to solve real-world problems together.			

PO 10 : Communication

PO 10	2.5	2.53	The PO attainment is above the Target Level. PO10 (Communication) is not fully attained in CS115, CS210, CS325 due to limited opportunities for real-world communication and presentation skills development.
Action 1. Increase Presentations and Discussions: Incorporate group discussions, presentations, and interactive activities in ENG and ELCS LAB. Action 2. Organize Guest Lectures and Workshops: Conduct seminars on effective technical and professional communication in PE.			

PO 11 : Project Management and Finance

PO 11	2.5	2.52	The PO attainment is above the Target Level. PO11 is not fully attained in CS105, CS111, CS116, and CS204 due to limited integration of project management and finance concepts.

Action 1. Introduce Project Management Topics: Integrate planning, resource allocation, and budgeting concepts in CS105 and CS204. Action 2. Practical Exercises: Implement project-based assignments in CS111 and CS116 to apply project management and finance principles.

PO 12 : Life-long Learning

PO 12	2.5	2.84	The PO attainment is above the Target Level. PO12 (Life-long Learning) is not fully attained in CS113, CS210, CS212, and CS413 due to limited emphasis on fostering independent and continuous learning.
Action 1. Encourage Self-Learning Projects: Introduce assignments that require students to independently research and learn new technologies in CS113 and CS212. Action 2. Incorporate Continuous Learning Resources: Provide access to online resources, industry seminars, and current technological trends in CS210 and CS413 to promote life-long learning.			

PSOs Attainment Levels and Actions for Improvement- (2023-24)

PSOs	Target Level	Attainment Level	Observations
PSO 1 : Fundamentals and critical knowledge of the Computer System: - Able to Understand the working principles of the computer System and its components, Apply the knowledge to build, asses, and analyze the software and hardware aspects of it			
PSO 1	2.5	2.84	PSO Attainment is above the target level. The target level is not fully achieved in CS112, CS115, CS210, CS217, and CS413 due to limited focus on hardware-software interactions and practical applications in system-level concepts.
Action 1. Integrate Hardware Concepts: Enhance focus on hardware components and their interaction with software in CS112 and CS413. Action 2. Hands-on Projects and Real-World Case Studies: Incorporate more lab projects in CS115 and CS217 that emphasize hardware analysis, and use case studies in CS210 to demonstrate practical applications in system design.			
PSO 2 : The comprehensive and Applicative knowledge of Software Development: Comprehensive skills of Programming Languages, Software process models, methodologies, and able to plan, develop, test, analyze, and manage the software and hardware intensive systems in heterogeneous platforms individually or working in teams.			
PSO 2	2.5	2.70	PSO Attainment is above the target level. PO12 is not fully attained in CS102, CS210, and CS413 due to limited connection between theoretical concepts and practical software development practices.
Action 1. Integrate Software Development Methodologies: Introduce Agile and Waterfall methodologies in CS102 and CS210, linking mathematical concepts to software development practices. Action 2. Project-Based Learning and Tool Exposure: Implement software development projects in CS413 and introduce tools like Git and IDEs in CS210 to enhance practical experience in software development.			
PSO 3 : Applications of Computing Domain & Research: Able to use the professional, managerial, interdisciplinary skill set, and domain specific tools in development processes, identify the research gaps, and provide innovative solutions to them			
PSO 3	2.5	2.70	PSO Attainment is above the target level. PO12 is not fully attained in CS103, CS107, CS113, CS210, and CS410 due to limited emphasis on research-driven projects and interdisciplinary applications in computing.
Action 1. Research-Oriented Projects: Introduce research-based assignments and projects in CS103 and CS113, where students apply computing principles to engineering or interdisciplinary challenges. Action 2. Interdisciplinary Collaboration and Industry Partnerships: Foster collaboration in CS107 and CS210 with other disciplines, and partner with industry experts in CS410 to bring real-world research problems into the classroom.			

7.2 Academic Audit and actions taken thereof during the period of Assessment (15)

Total Marks 15.00

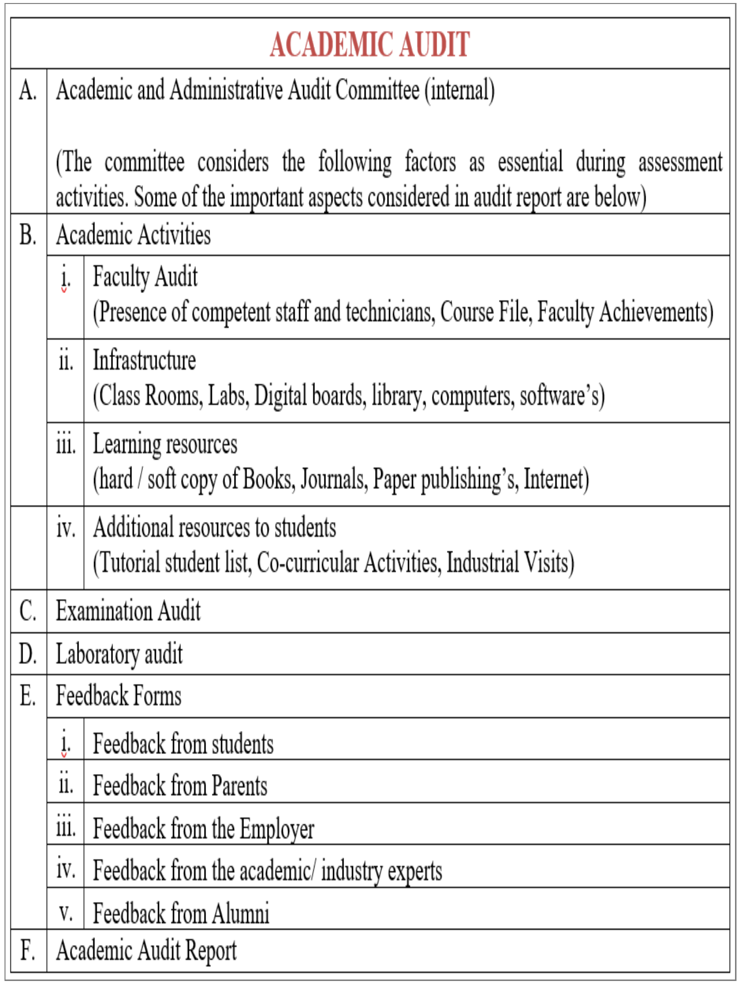
Institute Marks : 15.00

ACADEMIC AUDIT

The Goal of Academic Audit Report is to monitor and to ensure adequate quality of institution in terms of Infrastructure, Academic parameters, developmental programmes for the benefit of faculty and students. Academic audit system/ process conducted as per ISO standards to monitor and evaluate the teaching learning process. Observations brought out by the academic audit team are promptly auctioned. In addition, the principal and external auditors are provide the detailed information about the system incompatibilities to carry out the lapses (if any) immediately to ensure the quality.

Internal audit will be done by AAAC (Academic and Administrative Audit Committee) and External Audit by JNTUH university FFC (Fact Finding Committee) every year, NAAC (National Assesment and Accreditation Council) and ISO (International Organisation for Standardization).

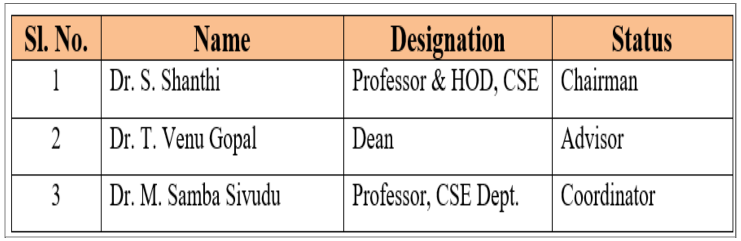
The academic audit team evaluates the following important parameters, tools, and their implementation quality in the department.



ACADEMIC AUDIT		
A.	Academic and Administrative Audit Committee (internal) (The committee considers the following factors as essential during assessment activities. Some of the important aspects considered in audit report are below)	
B.	Academic Activities	
	i.	Faculty Audit (Presence of competent staff and technicians, Course File, Faculty Achievements)
	ii.	Infrastructure (Class Rooms, Labs, Digital boards, library, computers, software's)
	iii.	Learning resources (hard / soft copy of Books, Journals, Paper publishing's, Internet)
	iv.	Additional resources to students (Tutorial student list, Co-curricular Activities, Industrial Visits)
C.	Examination Audit	
D.	Laboratory audit	
E.	Feedback Forms	
	i.	Feedback from students
	ii.	Feedback from Parents
	iii.	Feedback from the Employer
	iv.	Feedback from the academic/ industry experts
	v.	Feedback from Alumni
F.	Academic Audit Report	

A. Academic and Administrative Audit Committee (Internal)

The following committee looks after the day-to-day academic activities and will prepare a Audit Report and will submit to the principal**.**

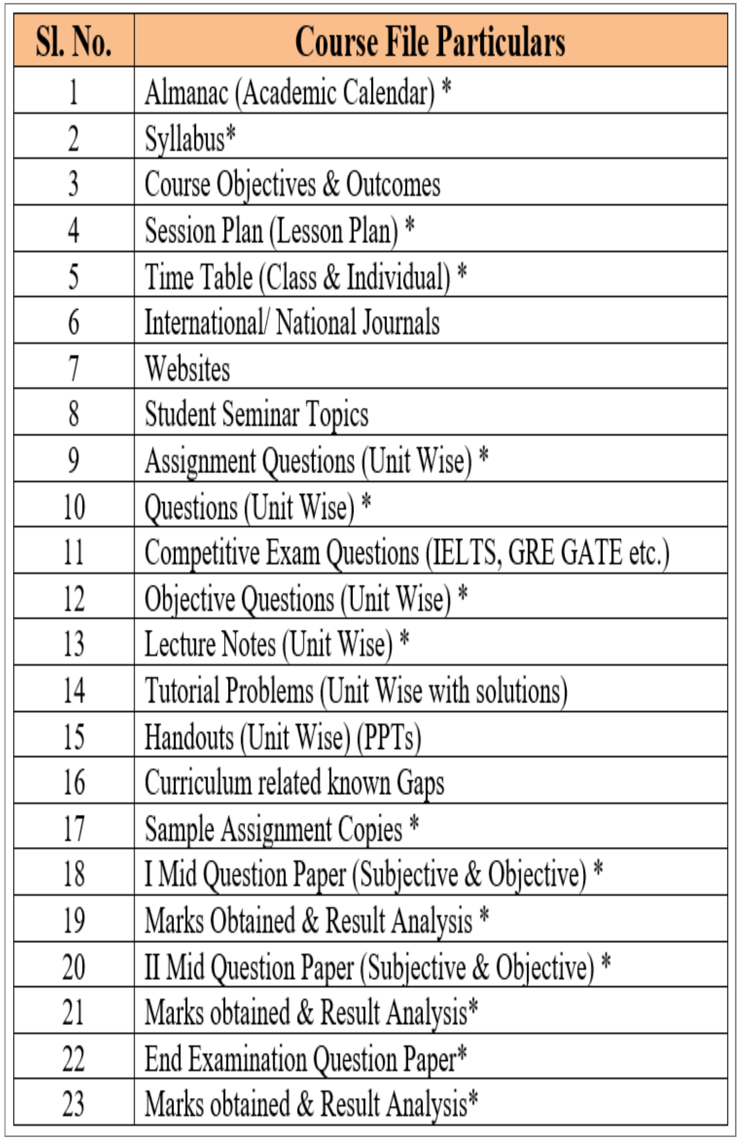


Sl. No.	Name	Designation	Status
1	Dr. S. Shanthi	Professor & HOD, CSE	Chairman
2	Dr. T. Venu Gopal	Dean	Advisor
3	Dr. M. Samba Sivudu	Professor, CSE Dept.	Coordinator

B. Academic Activities

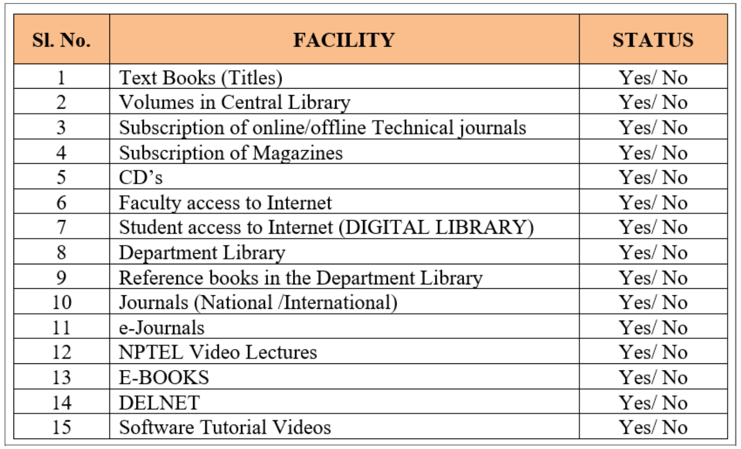
Course File Check List

Every Faculty Member has to prepare Course File in the concerned subject according to the guidelines given from the department, shown below.

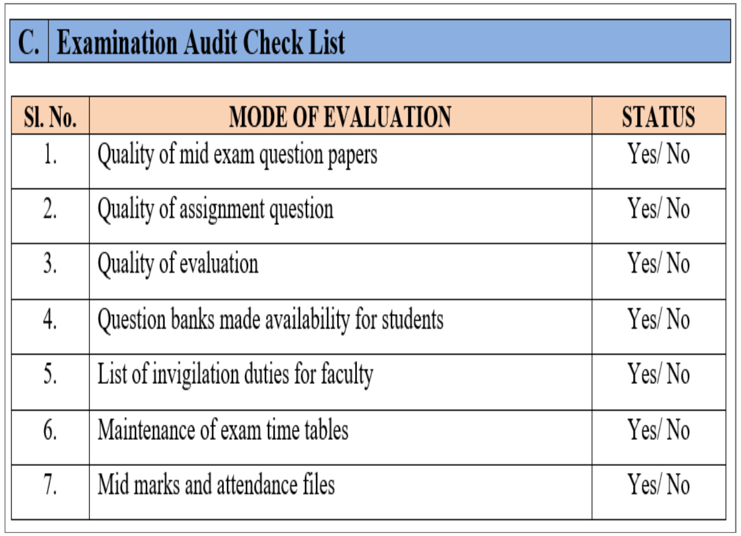


Sl. No.	Course File Particulars
1	Almanac (Academic Calendar) *
2	Syllabus*
3	Course Objectives & Outcomes
4	Session Plan (Lesson Plan) *
5	Time Table (Class & Individual) *
6	International/ National Journals
7	Websites
8	Student Seminar Topics
9	Assignment Questions (Unit Wise) *
10	Questions (Unit Wise) *
11	Competitive Exam Questions (IELTS, GRE GATE etc.)
12	Objective Questions (Unit Wise) *
13	Lecture Notes (Unit Wise) *
14	Tutorial Problems (Unit Wise with solutions)
15	Handouts (Unit Wise) (PPTs)
16	Curriculum related known Gaps
17	Sample Assignment Copies *
18	I Mid Question Paper (Subjective & Objective) *
19	Marks Obtained & Result Analysis *
20	II Mid Question Paper (Subjective & Objective) *
21	Marks obtained & Result Analysis*
22	End Examination Question Paper*
23	Marks obtained & Result Analysis*

Learning Resources Check List

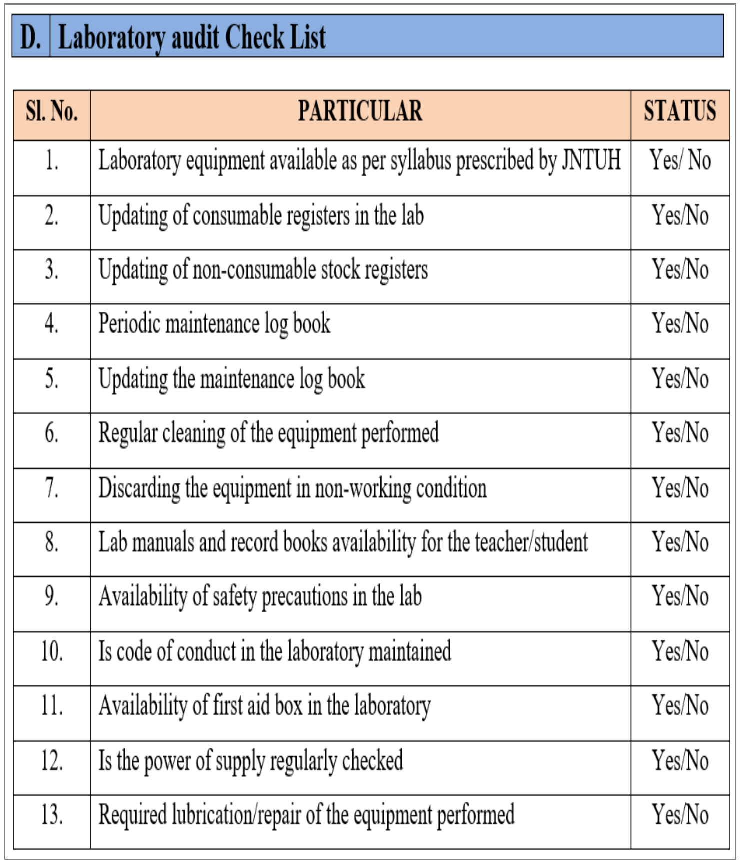


Sl. No.	FACILITY	STATUS
1	Text Books (Titles)	Yes/ No
2	Volumes in Central Library	Yes/ No
3	Subscription of online/offline Technical journals	Yes/ No
4	Subscription of Magazines	Yes/ No
5	CD’s	Yes/ No
6	Faculty access to Internet	Yes/ No
7	Student access to Internet (DIGITAL LIBRARY)	Yes/ No
8	Department Library	Yes/ No
9	Reference books in the Department Library	Yes/ No
10	Journals (National /International)	Yes/ No
11	e-Journals	Yes/ No
12	NPTEL Video Lectures	Yes/ No
13	E-BOOKS	Yes/ No
14	DELNET	Yes/ No
15	Software Tutorial Videos	Yes/ No



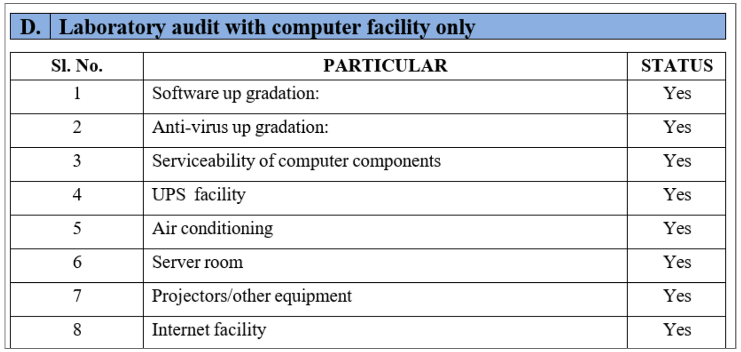
C. Examination Audit Check List

Sl. No.	MODE OF EVALUATION	STATUS
1.	Quality of mid exam question papers	Yes/ No
2.	Quality of assignment question	Yes/ No
3.	Quality of evaluation	Yes/ No
4.	Question banks made availability for students	Yes/ No
5.	List of invigilation duties for faculty	Yes/ No
6.	Maintenance of exam time tables	Yes/ No
7.	Mid marks and attendance files	Yes/ No



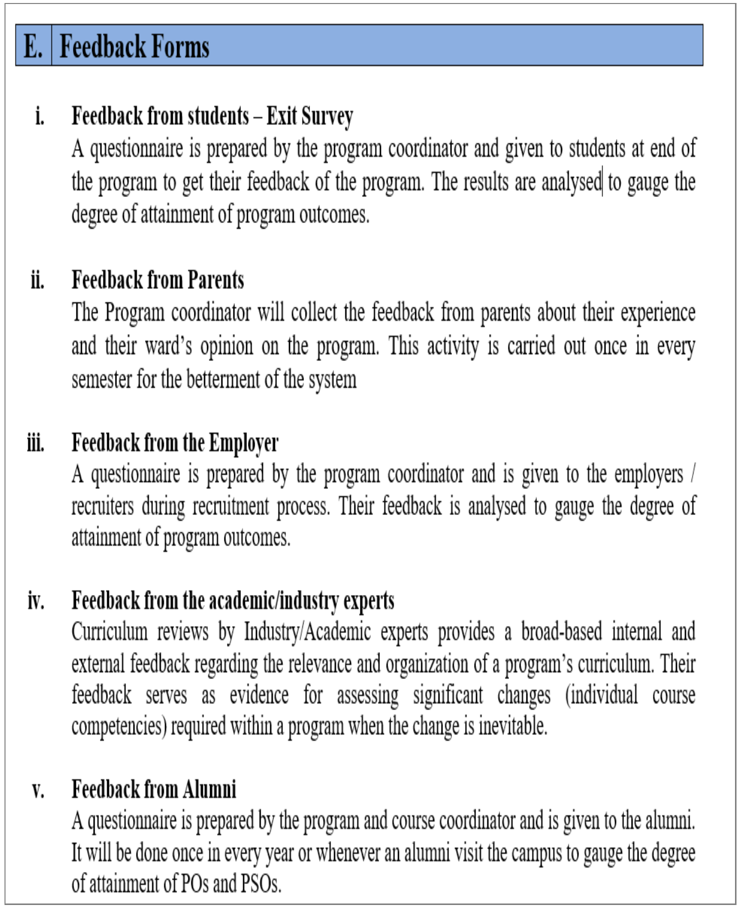
D. Laboratory audit Check List

Sl. No.	PARTICULAR	STATUS
1.	Laboratory equipment available as per syllabus prescribed by JNTUH	Yes/ No
2.	Updating of consumable registers in the lab	Yes/No
3.	Updating of non-consumable stock registers	Yes/No
4.	Periodic maintenance log book	Yes/No
5.	Updating the maintenance log book	Yes/No
6.	Regular cleaning of the equipment performed	Yes/No
7.	Discarding the equipment in non-working condition	Yes/No
8.	Lab manuals and record books availability for the teacher/student	Yes/No
9.	Availability of safety precautions in the lab	Yes/No
10.	Is code of conduct in the laboratory maintained	Yes/No
11.	Availability of first aid box in the laboratory	Yes/No
12.	Is the power of supply regularly checked	Yes/No
13.	Required lubrication/repair of the equipment performed	Yes/No



D. Laboratory audit with computer facility only

Sl. No.	PARTICULAR	STATUS
1	Software up gradation:	Yes
2	Anti-virus up gradation:	Yes
3	Serviceability of computer components	Yes
4	UPS facility	Yes
5	Air conditioning	Yes
6	Server room	Yes
7	Projectors/other equipment	Yes
8	Internet facility	Yes



E. Feedback Forms

i. Feedback from students – Exit Survey

A questionnaire is prepared by the program coordinator and given to students at end of the program to get their feedback of the program. The results are analysed to gauge the degree of attainment of program outcomes.

ii. Feedback from Parents

The Program coordinator will collect the feedback from parents about their experience and their ward's opinion on the program. This activity is carried out once in every semester for the betterment of the system

iii. Feedback from the Employer

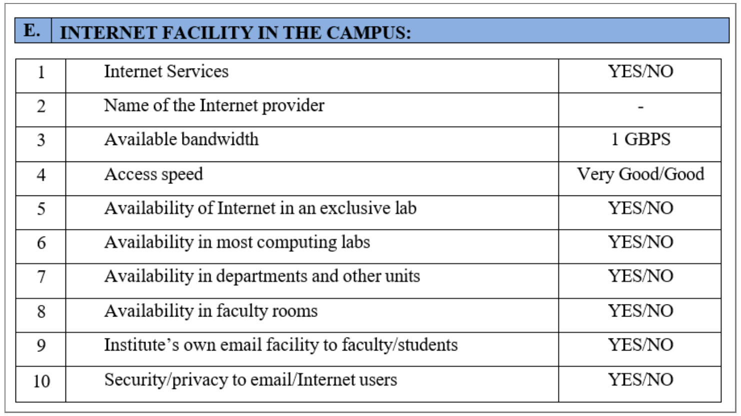
A questionnaire is prepared by the program coordinator and is given to the employers / recruiters during recruitment process. Their feedback is analysed to gauge the degree of attainment of program outcomes.

iv. Feedback from the academic/industry experts

Curriculum reviews by Industry/Academic experts provides a broad-based internal and external feedback regarding the relevance and organization of a program's curriculum. Their feedback serves as evidence for assessing significant changes (individual course competencies) required within a program when the change is inevitable.

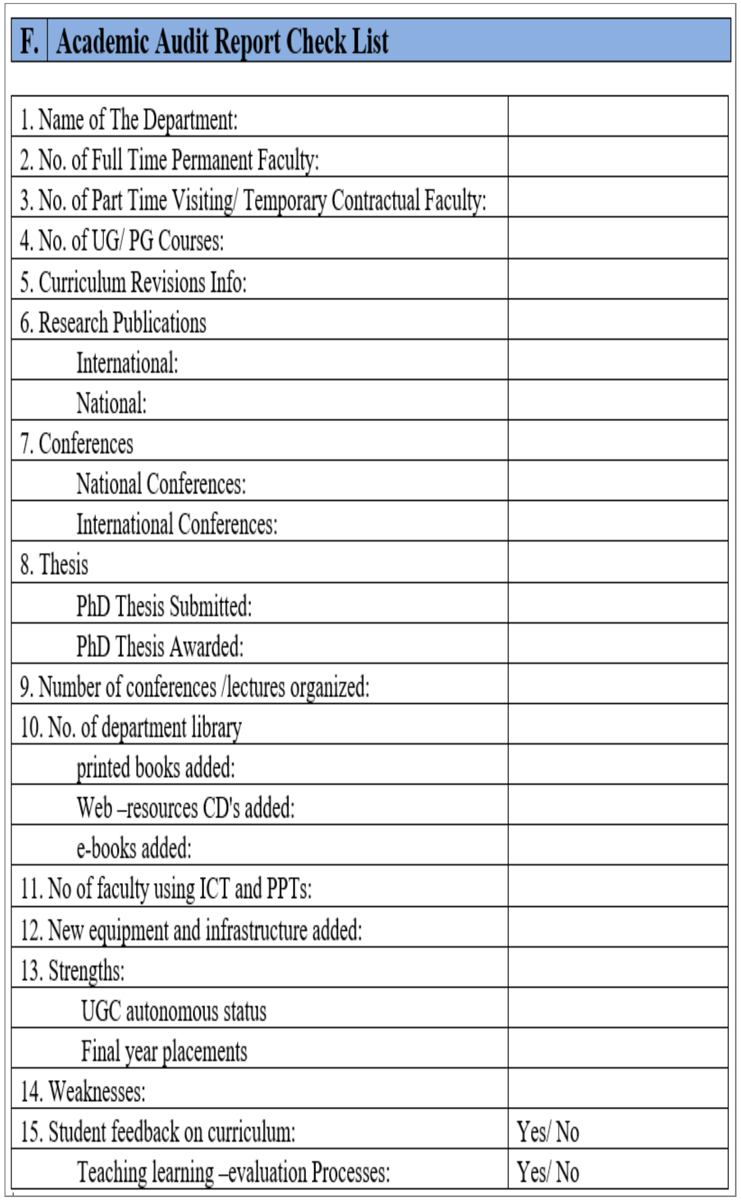
v. Feedback from Alumni

A questionnaire is prepared by the program and course coordinator and is given to the alumni. It will be done once in every year or whenever an alumni visit the campus to gauge the degree of attainment of POs and PSOs.



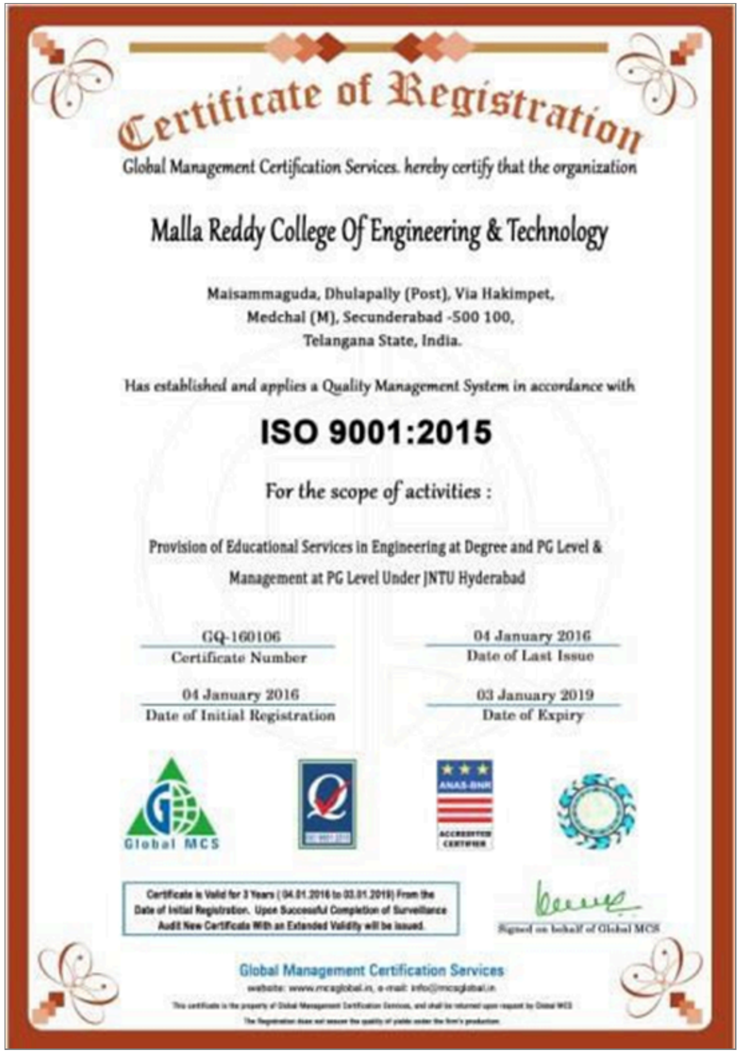
E. INTERNET FACILITY IN THE CAMPUS:

1	Internet Services	YES/NO
2	Name of the Internet provider	-
3	Available bandwidth	1 GBPS
4	Access speed	Very Good/Good
5	Availability of Internet in an exclusive lab	YES/NO
6	Availability in most computing labs	YES/NO
7	Availability in departments and other units	YES/NO
8	Availability in faculty rooms	YES/NO
9	Institute's own email facility to faculty/students	YES/NO
10	Security/privacy to email/Internet users	YES/NO



F. Academic Audit Report Check List

1. Name of The Department:	
2. No. of Full Time Permanent Faculty:	
3. No. of Part Time Visiting/ Temporary Contractual Faculty:	
4. No. of UG/ PG Courses:	
5. Curriculum Revisions Info:	
6. Research Publications	
International:	
National:	
7. Conferences	
National Conferences:	
International Conferences:	
8. Thesis	
PhD Thesis Submitted:	
PhD Thesis Awarded:	
9. Number of conferences /lectures organized:	
10. No. of department library	
printed books added:	
Web –resources CD's added:	
e-books added:	
11. No of faculty using ICT and PPTs:	
12. New equipment and infrastructure added:	
13. Strengths:	
UGC autonomous status	
Final year placements	
14. Weaknesses:	
15. Student feedback on curriculum:	Yes/ No
Teaching learning –evaluation Processes:	Yes/ No



Certificate of Registration

Global Management Certification Services. hereby certify that the organization

Malla Reddy College Of Engineering & Technology

Maisammaguda, Dhulapally (Post), Via Hakimpet,
Medchal (M), Secunderabad -500 100,
Telangana State, India.

Has established and applies a Quality Management System in accordance with

ISO 9001:2015

For the scope of activities :

Provision of Educational Services in Engineering at Degree and PG Level & Management at PG Level Under JNTU Hyderabad

GQ-160106
Certificate Number

04 January 2016
Date of Last Issue

04 January 2016
Date of Initial Registration

03 January 2019
Date of Expiry

Certificate is Valid for 3 Years (04.01.2016 to 03.01.2019) From the Date of Initial Registration. Upon Successful Completion of Surveillance Audit New Certificate With an Extended Validity will be issued.

Signed on behalf of Global MCS

Global Management Certification Services

website: www.mcsglobal.in, e-mail: info@mcsglobal.in

This certificate is the property of Global Management Certification Services, and shall be returned upon request by Global MCS

The Registration does not assure the quality of yields under the firm's production.

7.3 Improvement in Placement, Higher Studies and Entrepreneurship (10) Total Marks 10.00

Institute Marks : 10.00

IMPROVEMENTS IN PLACEMENTS,HIGHER STUDIES AND ENTREPRENEURS:

I. DETAILS OF STUDENTS PLACEMENT:

Details of the students placement are given in table 7.3.1 and graph for the students placement and highest salary is shown in figure 7.3.1 and figure 7.3.2 respectively for three assessment years.

Table 7.3.1 : Students Placement details for three assessment years

Academic Year	Placement			
	Total no. of students	**Number of Students Placed**	**% of students placed**	**Highest Package (LPA)**
2023-2024	267	210	78.65	9.5 LPA
2022-2023	272	205	75.36	9 LPA
2021-2022	232	171	73.70	8.9 LPA

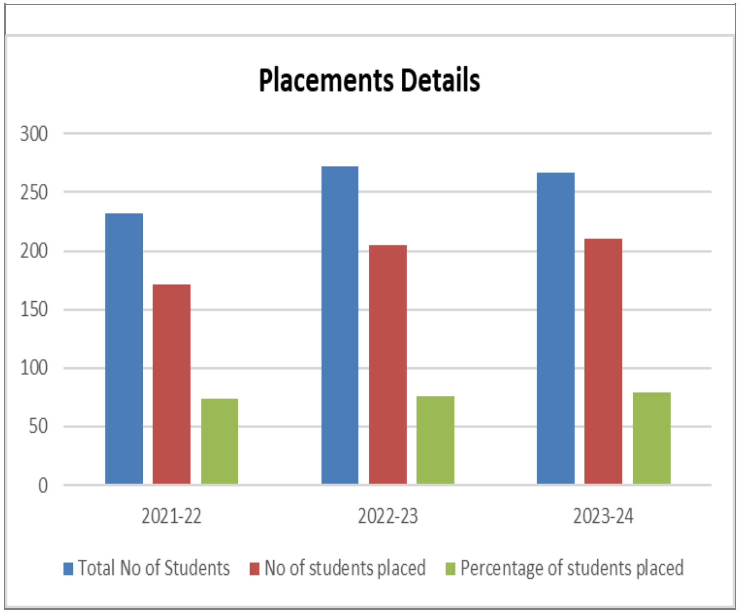


Figure 7.3.1: Graph of student placement details

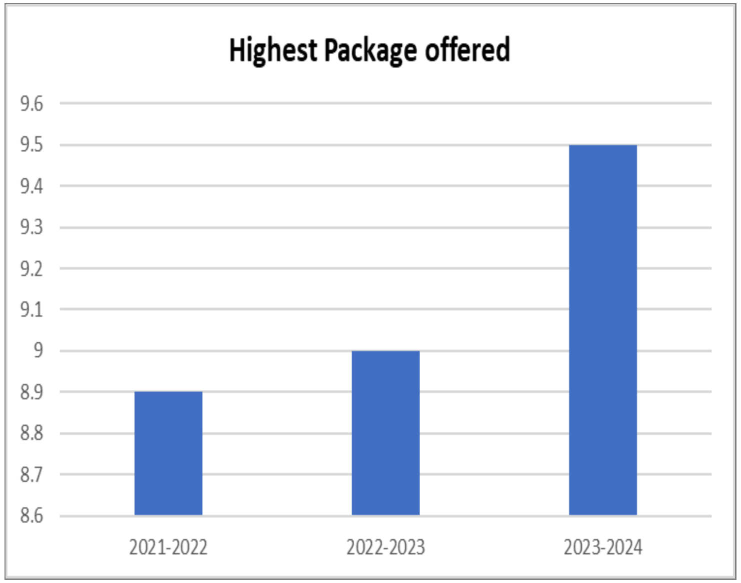


Figure 7.3.2: Graph showing Highest Package offered

The below mentioned table 7.3.2 represents the list of industries visited the campus during the assessment year.

Table 7.3.2: Industries visited the campus for Placement

Sl. No.	Recruiters	No. of students placed
Batch (2020-2024)		
1	Accenture	60
2	Amazon	2
3	Capgemini	3
4	Cognizant	2
5	Deloitte	26
6	Genpact	31
7	Global Logi	2
8	Hexaware	21
9	Prolifics	26
10	Solugenix	2
11	Sutherland	29
12	Tech Mahendra	3
13	TEKsystems	2
14	UST Global	1

Sl. No.	Recruiters	No. of students placed
Batch (2019-2023)		
1	Cognizant	32
2	Deloitte	2
3	DXC Technologies	20
4	Hitachi Vantara	3
5	Modak	1
6	Prolifics	1
7	Prutech Solutions	4
8	Sutherland	21
9	TCS	15
10	Tech Mahendra	1
11	TEKsystems	7

12	Value Momentum	14
13	Accenture	84
Sl. No.	**Recruiters**	**No. of students placed**
Batch (2018-2022)		
1	Accenture	49
2	Axiom	1
3	Capgemini	30
4	Cognizant	11
5	DBS	9
6	Deloitte	3
7	DeltaX	1
8	GEP	1
9	HCL Technologies	2
10	Holm Security	1
11	Infosys	1
12	Mediamint	3
13	Modak Analytics	2
14	NTT Data	7
15	Persistent	2
16	Salesforce	1
17	TCS	11
18	Virtusa	1
19	Wipro Technologies	35

II. DETAILS OF STUDENTS HIGHER STUDIES :

Higher studies enrollment details are given in table 7.3.3, details of higher studies admission in premier institutions are given in table 7.3.4.,graph for number of students admitted to higher studies is shown in table 7.3.5.

Table 7.3.3: Higher Studies Enrollment Details

Sl. No.	Academic Year	Strength of the students	No. of students admitted to higher studies
1	2021-2022	232	35
2	2022-2023	272	39
3	2023-2024	267	35

Details of Higher Studies Admission in Premier Institutions:

Table 7.3.4: Sample List of Higher Studies Admission in Premier Institutions

Sl. No.	Name of Student	Post-Graduation Degree	Name of Institution	Year
1	HARSHA VARDHAN	MS	University Of Notre Dame	2021-2022
2	VINAY KODIDALA	MS	University of North Texas	
1	SRI CHARAN RAO RAMARAJU	MS	University of Illinois Springfield	2022-2023
2	NAGANDLA AKHIL	MS	Texas a & m Kingsville	
1	GUTHA SUMANTH REDDY	MS	University of Central Florida	2023-2024
2	G CHETAN REDDY	MS	Auburn University at Montgomery	

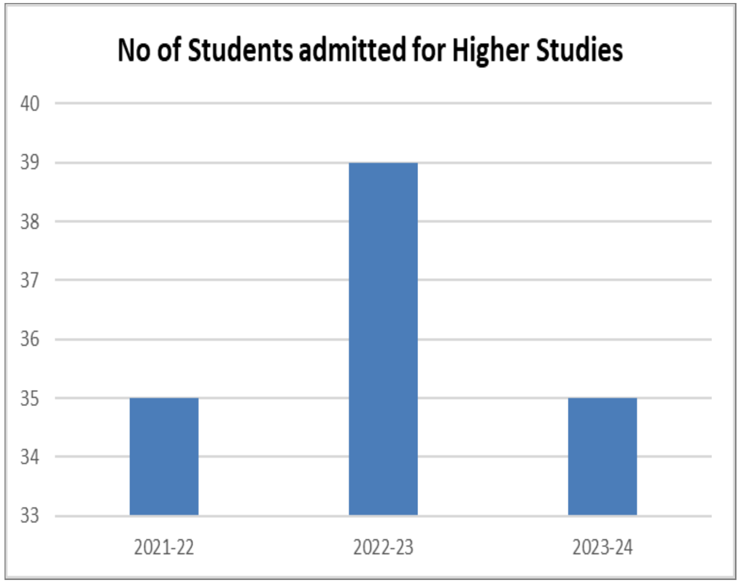


Figure 7.3.5: Graph of number of students admitted to higher studies

III. DETAILS OF THE ENTREPRENUER :

Number of entrepreneurs for three assessment years are given in table 7.3.5, graph of number of students turned entrepreneurs is shown in figure 7.3.6 and entrepreneurs details for three assessment years are given in table 7.3.6.

Table 7.3.5: Number of entrepreneurs for three assessment years

Sl. No.	Academic Year	Strength of the students	No. of students turned Entrepreneurs
1	2021-22	232	0
2	2022-23	272	1
3	2023-24	267	2

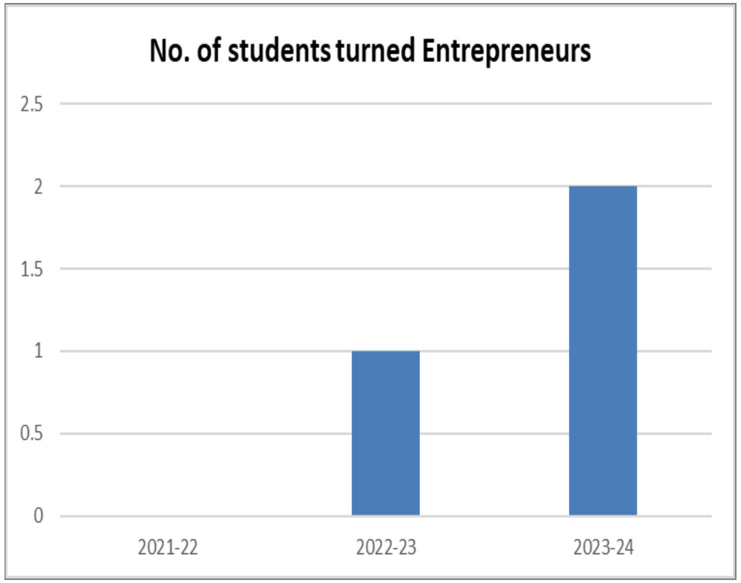


Figure 7.3.6: Graph of number of students turned entrepreneurs

Table 7.3.6 Entrepreneurs details for three assessment years

Sr. No .	**Year**	**Registration No**	**Name of Student**	**Name of Firm**	**Nature of Work**
1	2023-24	U13132TS2023PTC177921	Ms Meghana	OMYTRA ENTERPRISES PRIVATE LIMITED	Startup
2		U32502TS2023PTC178781	Ms Akhila Akinapally	SONIC A SQUARE B SOLUTIONS PRIVATE LIMITED	Startup
1	2022-23	DIPP025669	Mr.Nalubala Siddhartha	TECHSPIRE	Startup

7.4 Improvement in the quality of students admitted to the program (20)

Total Marks 20.00

Institute Marks : 20.00

Item		**2024-25**	**2023-24**	**2022-23**
National Level Entrance Examination JEE MAINS	No of students admitted	0	0	0
	Opening Score/Rank	0	0	0
	Closing Score/Rank	0	0	0
State/ University/ Level Entrance Examination/ Others EAMCET	No of students admitted	929	981	905
	Opening Score/Rank	5515	10261	8079
	Closing Score/Rank	173472	156497	126007
Name of the Entrance Examination for Lateral Entry or lateral entry details ECET	No of students admitted	152	175	139
	Opening Score/Rank	103	59	523
	Closing Score/Rank	19892	20091	17664
Average CBSE/Any other board result of admitted students(Physics, Chemistry&Maths)		81.23	74.08	81.55

8 FIRST YEAR ACADEMICS (50)

Total Marks 47.67

8.1 First Year Student-Faculty Ratio (FYSFR) (5)

Total Marks 5.00

Institute Marks : 5.00

Please provide First year faculty information considering load

Name of the faculty member	PAN No.	Qualification	Date of Receiving Highest Degree	Area of Specialization	Designation	Date of joining	Teaching load (%)			Currently Associated (Yes / No)	Nature Of Association (Regular / Contract)	Date Of leaving(In case Currently Associated is 'No')
							CAY	CAYm1	CAYm2			
DR. V. MADHU	ADAPV6965C	M.Sc. (Physics) and Ph.D.	27/12/2011	Physics	Professor	13/09/2010	100	100	100	Yes	Regular	
DR. KANDHAG	AUCPK3642A	M.Sc. (Physics) and Ph.D.	21/04/2017	Physics	Professor	09/02/2004	100	100	100	Yes	Regular	
DR. SRIKANTH	AYTPT1481B	M.Sc. (Physics) and Ph.D.	14/10/2019	Physics	Associate Professor	11/02/2020	100	100	100	Yes	Regular	
DR. P. SRINIVA	CJHPS8339A	M.Sc. (Physics) and Ph.D.	06/08/2016	Physics	Associate Professor	02/01/2025	100	0	0	Yes	Regular	
ARCHANADEV	AXIPA7668M	M.Sc	09/11/2006	Physics	Assistant Professor	23/09/2013	100	100	100	Yes	Regular	
NARENDRA K	CPRPK2510K	M.Sc	08/09/2010	Physics	Assistant Professor	02/08/2016	100	100	100	Yes	Regular	
DR S NAGAMA	JSIPS6919D	M.Sc. (Physics) and Ph.D.	23/10/2023	Physics	Assistant Professor	14/11/2024	100	0	0	Yes	Regular	
LAVUDYA SUS	ATZPT9833G	M.Sc	28/10/2019	Physics	Assistant Professor	20/02/2020	100	100	100	Yes	Regular	
HARI KAMALA	CZLPS3426C	M.Sc	13/06/2003	Physics	Assistant Professor	28/09/2022	100	100	70	Yes	Regular	
SIVA KRISHNA	AULPA3792J	M.Sc	10/09/2016	Physics	Assistant Professor	10/04/2023	100	100	0	Yes	Regular	
VUTHALURU S	CJHPS8339A	M.Sc	03/08/1996	Physics	Associate Professor	23/09/2013	0	100	100	No	Regular	14/10/2024
V RAMU	AGQPV6136N	M.Sc	01/05/2007	Physics	Assistant Professor	01/10/2017	0	100	100	No	Regular	06/05/2024
DR. GATTI JAG	BURPG3774R	M.Sc. (Physics) and Ph.D.	08/08/2015	Physics	Associate Professor	03/01/2021	0	0	100	No	Regular	08/05/2023

DR. NEERAJA	AGSPV3994L	M.Sc. and Ph.D. (Chemistry)	19/09/2002	Chemistry	Professor	03/01/2011	100	100	100	Yes	Regular	
DR. GANGAD	BNZPP8711N	M.Sc. and Ph.D. (Chemistry)	28/09/2018	Chemistry	Associate Professor	31/10/2022	100	100	70	Yes	Regular	
DR. A. ESWA	EEEPA0114P	M.Sc. and Ph.D. (Chemistry)	22/02/2019	Chemistry	Associate Professor	16/12/2022	100	100	50	Yes	Regular	
DR. SUBHAK	BWUPR6847P	M.Sc. and Ph.D. (Chemistry)	09/08/2022	Chemistry	Assistant Professor	10/04/2023	100	100	0	Yes	Regular	
MANNEGANTI	BDAPM4346K	M.Sc	12/10/2007	Chemistry	Assistant Professor	12/07/2021	100	100	100	Yes	Regular	
SIVA NAGA R	AVJPG2644N	M.Sc	27/12/2013	Chemistry	Assistant Professor	22/12/2016	100	100	100	Yes	Regular	
NAKKALA SR	ANRPN2901P	M.Sc	02/06/2010	Chemistry	Assistant Professor	24/02/2020	100	100	100	Yes	Regular	
DR. VENGAL	CJVPP5886M	M.Sc. (Physics) and Ph.D.	20/01/2016	Physics	Professor	02/11/2020	100	100	100	Yes	Regular	
DR. N. VEERA	ALSPN1594P	M.A and Ph.D	25/06/2022	English	Associate Professor	19/09/2022	100	100	100	Yes	Regular	
DR. FIROJ AH	CLRPA8098J	M.A and Ph.D	16/12/2021	English	Associate Professor	20/04/2022	100	100	100	Yes	Regular	
DR. GIRIDHA	AMEPC2184M	M.Sc. (Physics) and Ph.D.	02/05/2008	Physics	Associate Professor	10/04/2023	100	100	0	Yes	Regular	
K S RAJASHR	AQPPR8337L	MA	31/05/2010	English	Assistant Professor	01/12/2016	100	70	100	Yes	Regular	
BANDI RAJES	AMMPB6793R	MA	12/09/2014	English	Assistant Professor	06/04/2015	70	100	70	Yes	Regular	
DR. K. RAJAM	BJBPK6924L	M.Sc. (Physics) and Ph.D.	03/05/2018	Physics	Associate Professor	17/02/2024	100	40	0	Yes	Regular	
BONAM ANJA	CFDPB4821E	MA	20/06/2011	English	Assistant Professor	03/08/2019	70	100	70	Yes	Regular	
PEDAVETI JU	CDRPP5551M	MA	10/08/2010	English	Assistant Professor	20/02/2020	100	70	100	Yes	Regular	

DR. A. ADITYA	AXCPA5447J	M.Sc. and Ph.D. (Chemistry)	28/06/2019	Chemistry	Professor	15/12/2022	100	100	50	Yes	Regular	
PRIYA R KULK	CWBPK7763F	MA	07/09/2012	English	Assistant Professor	20/03/2021	70	100	70	Yes	Regular	
HASINA KHAN	CKTPP8431K	M.Sc	02/04/2010	Chemistry	Assistant Professor	12/12/2016	100	100	100	Yes	Regular	
THORTHI NAV	AQLPT2232Q	MA	05/09/2015	English	Assistant Professor	01/07/2019	100	70	100	Yes	Regular	
RAJITHA DON	AYLPD8932D	M.Sc	01/04/2009	Chemistry	Assistant Professor	01/02/2017	100	100	100	Yes	Regular	
DR MD NASIR	ANIPH3675F	M.A and Ph.D	29/01/2025	English	Assistant Professor	02/01/2025	100	0	0	Yes	Regular	
DR. JAMIRUL	ACMPI6383C	M.A and Ph.D	10/04/2024	English	Associate Professor	28/02/2022	100	100	100	Yes	Regular	
DR T NAVYA	AMQPT1339D	M.Sc. and Ph.D. (Chemistry)	24/08/2024	Chemistry	Assistant Professor	03/06/2024	100	0	0	Yes	Regular	
S. SWAPNA	BIPPS4548R	MA	23/10/2006	English	Assistant Professor	10/10/2022	70	100	60	Yes	Regular	
DR N PRAKAS	BJHPP7963E	M.Sc. and Ph.D. (Chemistry)	05/09/2013	Chemistry	Assistant Professor	17/01/2025	100	0	0	Yes	Regular	
DR PAROMITA	ARYPN8853B	M.A and Ph.D	25/05/2022	English	Assistant Professor	15/07/2024	100	0	0	Yes	Regular	
KUDIKALA KE	EWQPK4455K	M.Sc	02/06/2014	Chemistry	Assistant Professor	22/05/2017	100	100	100	Yes	Regular	
SATYAVANI VA	ADFPV6791B	MA	25/03/2005	English	Assistant Professor	01/06/2021	0	70	100	No	Regular	10/10/2024
MAMTHA JAIN	AWRPM1895J	M.Sc	05/05/2009	Chemistry	Assistant Professor	10/04/2023	100	100	0	Yes	Regular	
VENU GOPAL	BELPK2031P	MA	12/12/2010	English	Assistant Professor	16/08/2021	70	100	100	Yes	Regular	
DR. SRINIVAS	CBKPM5845C	M.Sc. and Ph.D. (Chemistry)	30/08/2011	Chemistry	Professor	19/06/2023	100	100	0	Yes	Regular	
V. TEMUZION	BNDPK6080P	MA	01/10/2012	English	Assistant Professor	15/11/2021	0	100	70	No	Regular	06/06/2024

DR K RAMYA	AQPPR0547L	M.A and Ph.D	04/10/2018	English	Assistant Professor	19/12/2016	0	100	100	No	Regular	06/06/2024
CHANDRASEK	DXMPS4805P	M.Sc	02/03/2009	Chemistry	Assistant Professor	01/08/2013	0	0	100	No	Regular	24/06/2023
DR TARIK ANC	BJCPA6537J	M.A and Ph.D	01/11/2021	English	Assistant Professor	27/05/2022	0	0	100	No	Regular	04/05/2023
KOYYALAMUD	EVIPK8557D	M.Sc	03/04/2013	Chemistry	Assistant Professor	07/01/2019	0	100	100	No	Regular	30/06/2024
DR. E. RAJA G	AAQPE7386K	M.P.Ed and PhD	09/05/2018	Physical Director	Associate Professor	20/09/2004	0	0	100	No	Regular	04/09/2023
DR. CHANDRA	AVTPC9977G	M.Sc. (Physics) and Ph.D.	01/05/2015	Chemistry	Professor	21/03/2022	0	0	80	No	Regular	29/06/2023
DR. K. RAJESI	ANUPR7380M	M.SC. (Mathematics) and PhD	28/11/2018	Mathematics	Professor	28/06/2008	100	100	100	Yes	Regular	
DR. NIRUPMA	ACTPL8548B	M.Sc. and Ph.D. (Chemistry)	21/09/2005	Chemistry	Professor	01/06/2022	0	0	100	No	Regular	04/02/2023
ANOMITRA CH	ARPPP6982J	M.Sc	18/08/2018	Mathematics	Assistant Professor	16/12/2024	70	0	0	Yes	Regular	
DR. S LEKHA	ADDPL2700L	M.SC. (Mathematics) and PhD	04/11/2012	Mathematics	Professor	16/08/2021	100	100	100	Yes	Regular	
DR. RITUPARI	ALQPR7844E	M.SC. (Mathematics) and PhD	01/04/2021	Mathematics	Associate Professor	15/11/2021	100	100	100	Yes	Regular	
DR. E. TARAK	ABJPE1197L	M.SC. (Mathematics) and PhD	05/10/2018	Mathematics	Assistant Professor	06/02/2023	100	100	0	Yes	Regular	
GOBBURI REK	AQAPG2350F	M.Sc	23/12/2002	Mathematics	Associate Professor	01/07/2013	70	70	70	Yes	Regular	
DR. CH. SOMA	AFSPC0028H	M.SC. (Mathematics) and PhD	29/01/2025	Mathematics	Associate Professor	16/11/2020	100	100	100	Yes	Regular	
THATIGUNTLA	AGAPT0412B	M.Sc	30/03/2006	Mathematics	Assistant Professor	23/09/2013	70	70	70	Yes	Regular	
HARIKA BHUR	CDPPB5161D	M.Sc	31/07/2007	Mathematics	Assistant Professor	01/07/2015	70	70	70	Yes	Regular	

AKULA SNEH	COGPP8977R	M.Sc	01/11/2011	Mathematics	Assistant Professor	22/02/2021	70	70	70	Yes	Regular	
D RADHA PYA	ATJPD6374J	M.Sc	12/11/2011	Mathematics	Assistant Professor	02/12/2019	70	70	70	Yes	Regular	
MUSTI ARUN	ASRPM6249C	M.Sc	19/06/2012	Mathematics	Assistant Professor	04/04/2022	70	70	70	Yes	Regular	
DR. CH. CHAI	AQEPC7071K	M.SC. (Mathematics) and PhD	22/06/2024	Mathematics	Assistant Professor	27/12/2022	100	100	0	Yes	Regular	
DR. SHEKHA	ARPPP6982J	M.SC. (Mathematics) and PhD	25/11/2013	Mathematics	Professor	19/09/2013	0	100	100	No	Regular	16/07/2024
W. NIRMALA	AUTPM7422K	M.E/M.Tech	08/01/2009	CSE	Associate Professor	01/08/2017	100	100	100	Yes	Regular	
B. SARITHA	CSSPS3622J	M.E/M.Tech	08/12/2011	CSE	Assistant Professor	21/10/2022	100	100	100	Yes	Regular	
V. SUDHA RA	AOTPV0220L	M.E/M.Tech	06/02/2012	CSE	Assistant Professor	06/07/2022	100	100	100	Yes	Regular	
LIKITHA GON	BQQPG8317R	M.E/M.Tech	04/09/2014	CSE	Assistant Professor	22/08/2023	100	100	0	Yes	Regular	
M ANUSHA	ASWPM6305N	M.E/M.Tech	05/07/2012	VLSID	Assistant Professor	05/07/2012	0	100	100	No	Regular	13/09/2024
SHATHARAJU	GYWPS6287K	M.E/M.Tech	27/11/2014	CSE	Assistant Professor	18/01/2017	100	100	100	Yes	Regular	
SHIVA KUMA	AMNPT9998B	M.E/M.Tech	10/09/2017	CSE	Assistant Professor	10/10/2017	100	100	100	Yes	Regular	
KOLAPURAM	DWVPK5757C	M.E/M.Tech	06/01/2016	CSE	Assistant Professor	06/02/2016	100	100	100	Yes	Regular	
AMRUTHA MA	BZHPM2542J	M.E/M.Tech	18/10/2016	CSE	Assistant Professor	17/12/2016	100	100	100	Yes	Regular	
NAVEEN KUM	AUVPA1146J	M.E/M.Tech	12/12/2013	CSE	Assistant Professor	01/06/2023	100	100	0	Yes	Regular	
S RAJANI	DXTPS1091A	M.E/M.Tech	08/12/2015	SSP	Assistant Professor	04/01/2016	0	100	100	No	Regular	08/07/2024
SRILAKSHMI	AYFPK5142C	M.E/M.Tech	10/06/2015	CSE	Assistant Professor	10/07/2015	0	0	100	No	Regular	10/05/2023
DODLA NOOT	BWZPD4909H	M.E/M.Tech	01/11/2021	ES	Assistant Professor	01/11/2021	0	100	100	No	Regular	20/06/2024

K.SRIKANTH	BGSPK9315H	M.E/M.Tech	04/05/2012	CSE	Associate Professor	04/06/2012	0	0	100	No	Regular	24/06/2023
B SRUJANA	CPGPB7660Q	M.E/M.Tech	10/10/2016	SSP	Assistant Professor	13/12/2016	0	100	100	No	Regular	16/08/2024
DR. M. MOHA	AVPPM5418G	ME/M. Tech and PhD	17/12/2020	MECHANICAL	Professor	01/03/2021	100	100	100	Yes	Regular	
NAIMISHA BO	BPEPB3676M	M.E/M.Tech	11/12/2014	VLSI and ES	Assistant Professor	06/04/2015	0	100	100	No	Regular	16/08/2024
Mr. S. SHAILE	BPAPS3946H	M.E/M.Tech	12/06/2013	CAD OR CAM	Associate Professor	12/07/2013	100	100	100	Yes	Regular	
AISHWARYA	CNSPM3199M	M.E/M.Tech	11/07/2013	DSCE	Assistant Professor	30/07/2022	100	0	0	Yes	Regular	
Dr. SRIDHAR	CLOPS5012F	ME/M. Tech and PhD	03/10/2024	MECHANICAL	Assistant Professor	12/07/2017	100	100	100	Yes	Regular	
KOUSHIL REI	BTYPK9070Q	M.E/M.Tech	11/10/2014	VLSID	Assistant Professor	18/04/2022	100	0	0	Yes	Regular	
MR. KOLIMI B	BOKPK0997P	M.E/M.Tech	29/01/2016	THERMAL ENGINEERING	Assistant Professor	08/02/2016	100	100	100	Yes	Regular	
MR. CH. NAR	AYVPC1217C	M.E/M.Tech	12/01/2018	THERMAL ENGINEERING	Assistant Professor	07/06/2022	100	100	0	Yes	Regular	
MR. SAI SRIK	AURPV1133E	M.E/M.Tech	10/08/2016	MACHINE DESIGN	Assistant Professor	27/03/2023	100	0	0	Yes	Regular	
RAKESH SAIR	BZIPS2958D	M.E/M.Tech	30/11/2012	POWER ELECTRONICS	Assistant Professor	31/07/2017	0	0	50	No	Regular	15/10/2022
NARESH MOT	AZAPM3103B	M.E/M.Tech	31/12/2011	POWER ELECTRONICS	Assistant Professor	05/07/2019	0	0	50	No	Regular	29/10/2022
IRUVANTI RA	ACVPI8298R	M.E/M.Tech	31/12/2014	POWER ELECTRONICS	Assistant Professor	10/12/2018	0	0	50	No	Regular	29/10/2022
DR. T LOKES	AFEPT8877M	ME/M. Tech and PhD	22/01/2016	MECHANICAL	Professor	25/06/2018	0	100	100	No	Regular	14/12/2024
DR. JADAM T	AZTPJ3076B	ME/M. Tech and PhD	02/02/2021	MECHANICAL	Assistant Professor	17/06/2022	100	100	100	Yes	Regular	
CH SIRISHA R	ASCPC2545E	M.Phil	07/05/2012	ENVIRONMENTAL SCIENCE	Assistant Professor	18/01/2020	100	100	100	Yes	Regular	
B VASANTHA	BBQPV5107F	M.Sc	28/10/2016	ENVIRONMENTAL SCIENCE	Assistant Professor	01/11/2017	100	100	100	Yes	Regular	
DR. KRISHNA	CHDPK4444A	ME/M. Tech and PhD	02/12/2020	MECHANICAL	Associate Professor	22/03/2021	100	100	100	Yes	Regular	

NISHA JHA	AICPJ1713D	M.Sc	17/04/2004	Physics	Assistant Professor	01/07/2019	100	100	100	Yes	Regular	
MEKALA SHA	BLEPM6971J	MA	09/05/2012	ENGLISH	Assistant Professor	19/01/2016	100	70	100	Yes	Regular	
Saidulu Reddy	AARPO3199B	M.E/M.Tech	16/01/2014	ELCTRICAL POWER SYSTEM	Assistant Professor	30/06/2014	0	80	100	No	Regular	30/12/2023
Baggam Swat	DHLPB7100M	M.E/M.Tech	30/12/2017	POWER ELECTRONICS	Assistant Professor	25/06/2018	100	100	100	Yes	Regular	
Rakesh Sairaj	BZIPS2958D	M.E/M.Tech	30/11/2012	POWER ELECTRONICS	Assistant Professor	31/07/2017	0	0	50	No	Regular	15/10/2022
Naresh Mothk	AZAPM3103B	M.E/M.Tech	31/12/2011	POWER ELECTRONICS	Assistant Professor	05/07/2019	0	0	50	No	Regular	29/10/2022
V. HARI KRIS	ANHPV2249L	MBA	30/08/2007	MARKETING	Assistant Professor	25/10/2014	100	100	100	Yes	Regular	
P.VENKATA K	CRHPK7836C	MBA	18/02/2013	MARKETING	Assistant Professor	10/01/2020	100	100	100	Yes	Regular	
K.SANTHOSH	AXMPA8617L	MBA	21/10/2021	FINANCE	Assistant Professor	21/10/2021	100	100	100	Yes	Regular	
Mr. M. Naresh	BXDPM5945B	M.E/M.Tech	28/12/2013	POWERAND INDUSTRIAL DRIVES	Assistant Professor	12/09/2022	100	100	100	Yes	Regular	
Mr. K.Chandra	BYAPK0007J	M.E/M.Tech	10/12/2014	POWER ELECTRONICS	Assistant Professor	23/01/2023	100	100	100	Yes	Regular	
Sanjeeva Rao	AJCPT6102D	M.E/M.Tech	31/12/2008	ELECTRICAL POWER SYSTEMS	Assistant Professor	11/04/2022	0	80	100	No	Regular	30/12/2023
NARESH DU	BJFPD5114F	MBA	17/09/2012	HRM	Assistant Professor	10/01/2017	100	100	100	Yes	Regular	
BHARATH KU	AHBPV5431C	MBA	11/02/2014	FINANCE	Assistant Professor	06/01/2016	100	100	100	Yes	Regular	
PADUMATI PR	EXMPP2444C	MBA	14/09/2018	MARKETING	Assistant Professor	24/02/2020	100	100	100	Yes	Regular	
Praveen Kuma	ARUPM4687Q	M.E/M.Tech	30/12/2010	POWER ELECTRONICS	Assistant Professor	11/04/2022	0	80	100	No	Regular	30/12/2023
GODI SUBBA	ALTPG3955A	MBA	14/08/2008	MARKETING	Assistant Professor	28/11/2020	100	100	100	Yes	Regular	
MARIA POOJ	BECPT9962D	MBA	07/09/2019	HRM	Assistant Professor	19/02/2020	100	100	100	Yes	Regular	

E.ANVESHA	AVUPA5744L	MBA	21/05/2013	FINANCE	Assistant Professor	15/02/2021	100	100	100	Yes	Regular	
Gujjula Naresh	BEFPG7671P	M.E/M.Tech	02/02/2015	POWER ELECTRONICS	Assistant Professor	21/11/2024	100	0	0	Yes	Regular	
N Sundaraiah	ALVPN1860H	M.E/M.Tech	16/10/2010	POWER SYSTEMS	Assistant Professor	02/12/2024	100	0	0	Yes	Regular	
V. Arun Sai	BTEPV2399K	M.E/M.Tech	16/07/2021	POWER SYSTEMS	Assistant Professor	24/07/2024	100	0	0	Yes	Regular	
Vamshi Dhand	BCMPD2183G	M.E/M.Tech	30/09/2020	POWER ELECTRONICS ENGINEERING	Assistant Professor	02/08/2024	100	0	0	Yes	Regular	
MR. JEYAVEL	ADNPJ5944L	M.E/M.Tech	23/06/2014	MECHINE DESIGN	Assistant Professor	16/12/2021	0	0	100	No	Regular	06/10/2023
Mr. HATKAR R	AVNPH3600B	M.E/M.Tech	07/10/2015	POWER ELECTRONICS	Assistant Professor	19/09/2022	0	100	0	Yes	Regular	

Year	**Number Of Students(approved intake strength) N**	**Number of Faculty members(considering fractional load) F**	**FYSFR (N/F)**	***Assessment=(5*20)/FYSFR(Limited to Max.5)**
2022-23(CAYm2)	1320	90	15	5
2023-24(CAYm1)	1320	92	15	5
2024-25(CAY)	1320	89	15	5
Average	1320	90	15	5

AverageFYSFR: 0.00

Assessment [(5 * 15) / AverageFYSFR]: 5.00

8.2 Qualification of Faculty Teaching First Year Common Courses (5) Total Marks 4.00

Institute Marks : 4.00

Year	x (Number Of Regular Faculty with Ph.D)	y (Number Of Regular Faculty with Post graduate Qualification)	RF (Number Of Faculty Members required as per SFR of 20:1)	Assessment Of Faculty Qualification [(5x + 3y) / RF]
2022-23	18	58	66	4.00
2023-24	23	61	66	4.00
2024-25	25	55	66	4.00

Average Assessment: 4.00

8.3 First Year Academic Performance (10)

Total Marks 8.67

Institute Marks : 8.67

Academic Performance	CAYm1(2023-24)	CAYm2(2022-23)	CAYm3 (2021-22)
Mean of CGPA or mean percentage of all successful students(X)	8.53	8.76	8.73
Total Number of successful students(Y)	441.00	254.00	257.00
Total Number of students appeared in the examination(Z)	441.00	254.00	257.00
API [X*(Y/Z)]	8.53	8.76	8.73

Average API[(AP1+AP2+AP3)/3] : 8.67

Assessment = Average API : 8.67

8.4 Attainment of Course Outcomes of first year courses (10)

Total Marks 10.00

8.4.1 Describe the assessment processes used to gather the data upon which the evaluation of Course Outcomes of first year is done (5)

Institute Marks : 5.00

Methodology:

1. Students are assessed semester-wise on the complete syllabus. This is a summative assessment technique that occurs at the end of an instructional unit or course and measures the extent to which the students have achieved the desired course outcomes.
2. Internal exams are conducted twice a semester towards formative assessments of the students. The exam comprises of both subjective questions. This helps to monitor student learning process. The feedback measured in terms of scores is used to identify areas where they are struggling; so that instructors can change their methodology of teaching according to the level of the students' IQ. Out of the two mid-term examinations, average of two is taken as their score. The test includes both short answers and long answers to allow students to fully demonstrate what they know.
3. Assignments are given to students to go deeper with the learning concepts. The knowledge they've acquired is used to create something new from it. This level of application is extremely important in learning process, so as to test the students holistically. These types of projects also give students who do not do well in their tests a chance to shine.
4. Asking students to develop projects helps the learners to spell out the concepts or techniques used with each unit, the themes addressed, and hurdles faced also brings a sense of completion to the learning process. The students use the computer to become adept at using technology to express their views.
5. Assessment of Laboratory subjects will be based on the performance of students in practical examinations to fulfill the course outcomes. Viva voce is conducted with the help of few external faculty members to evaluate the students on the subject knowledge, and give the students a scope to verbally defend or put forward their views.

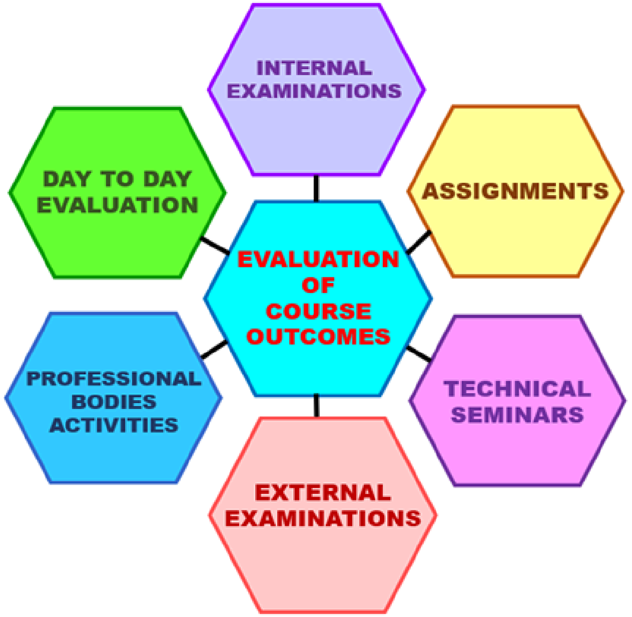


Figure 8.4.1: Evaluation of Course Outcomes

8.4.2 Record the attainment of Course Outcomes of all first year courses (5)

Institute Marks : 5.00

Assessment of the Attainment of Cos: 2023-2024

The procedure for recording the attainment of Course Outcomes (COs) of all courses with respect to target attainment levels are explained as shown below:

Step-1: Assessment–CO matrix (Table: 1)

Assessment types used for obtaining Assessment-CO Matrix are:

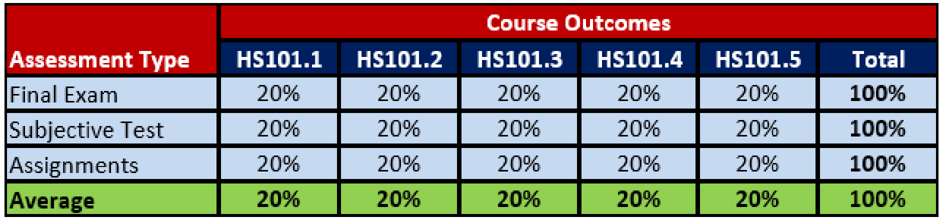
1. Final Exam
2. Subjective Test
3. Assignments
4. Practical Exam

Based on Course Outcomes defined for each course, the Assessment-CO Matrix is obtained by reflecting percentage of COs contributed in each assessment type.

Finally, the average percentage of each CO is calculated which will be considered to calculate the target value to assess whether a particular CO is attained or not for a particular course.

For example, the Assessment-CO matrix table for ENGLISH course is shown below:

Table1: Assessment-CO Matrix (Autonomous – R22)

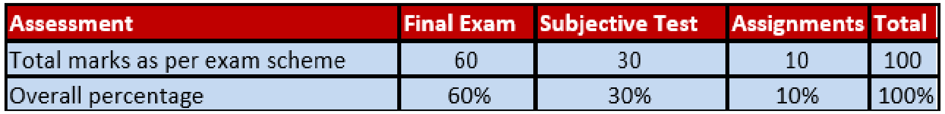


Assessment Type	Course Outcomes					
	HS101.1	HS101.2	HS101.3	HS101.4	HS101.5	Total
Final Exam	20%	20%	20%	20%	20%	**100%**
Subjective Test	20%	20%	20%	20%	20%	**100%**
Assignments	20%	20%	20%	20%	20%	**100%**
Average	**20%**	**20%**	**20%**	**20%**	**20%**	**100%**

Step-2: Overall Percentage Distribution (Table: 2)

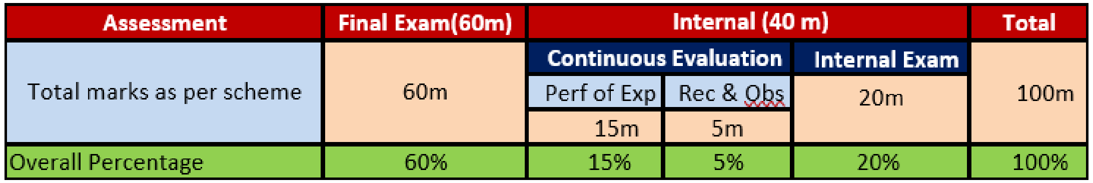
As per the **Autonomous Regulations(R22)**, the Overall Percentage Distribution is shown below which is useful in calculation of attainment of Cos

Table 2(a): Overall Percentage Distribution



Assessment	Final Exam	Subjective Test	Assignments	Total
Total marks as per exam scheme	60	30	10	100
Overall percentage	60%	30%	10%	100%

Table 2 (b): Overall Percentage Distribution for Labs

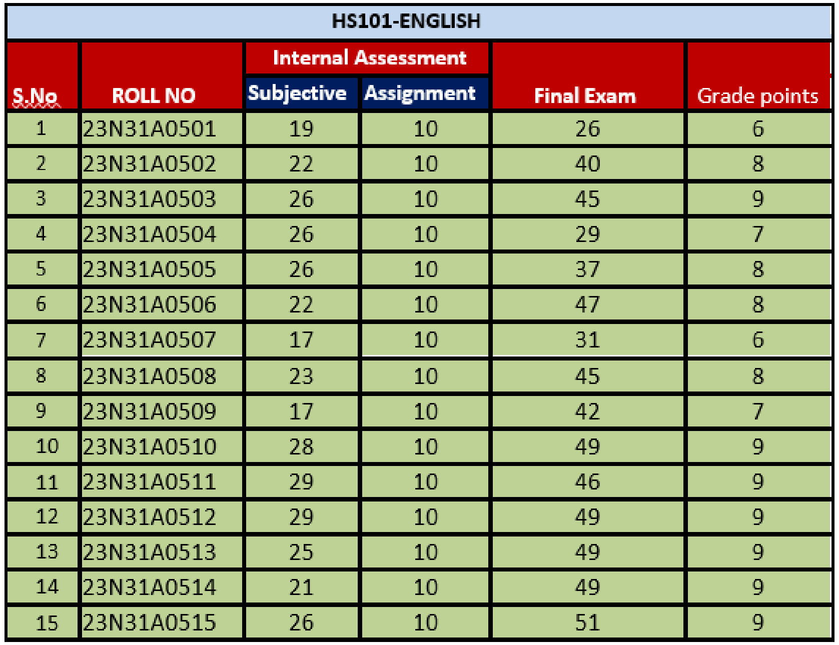


Assessment	Final Exam(60m)	Internal (40 m)			Total
		Continuous Evaluation		Internal Exam	
Total marks as per scheme	60m	Perf of Exp	Rec & Obs	20m	100m
		15m	5m		
Overall Percentage	60%	15%	5%	20%	100%

Step-3: Student Marks according to each assessment group (Table:3)

Student Marks are to be recorded as per the assessment type mentioned in Table1. The marks are to be recorded for all the students. In the table shown below, a sample of 15 student's marks is shown for Autonomous R22 regulation.

Table 3: Students marks according to the assessment type applicable



HS101-ENGLISH					
		Internal Assessment			
S.No	ROLL NO	Subjective	Assignment	Final Exam	Grade points
1	23N31A0501	19	10	26	6
2	23N31A0502	22	10	40	8
3	23N31A0503	26	10	45	9
4	23N31A0504	26	10	29	7
5	23N31A0505	26	10	37	8
6	23N31A0506	22	10	47	8
7	23N31A0507	17	10	31	6
8	23N31A0508	23	10	45	8
9	23N31A0509	17	10	42	7
10	23N31A0510	28	10	49	9
11	23N31A0511	29	10	46	9
12	23N31A0512	29	10	49	9
13	23N31A0513	25	10	49	9
14	23N31A0514	21	10	49	9
15	23N31A0515	26	10	51	9

Step-4: Defining Normalized Equation to obtain Course Outcome Attainment (Table4)

CO1=(0.2*FE*0.60) +(0.2*Sub*0.30) +(0.2*A*0.1)

CO2=(0.2*FE*0.60) +(0.2*Sub*0.30) +(0.2*A*0.1)

CO3=(0.2*FE*0.60) +(0.2*Sub*0.30) +(0.2*A*0.1)

CO4=(0.2*FE*0.60) +(0.2*Sub*0.30) +(0.2*A*0.1)

CO5=(0.2*FE*0.60) +(0.2*Sub*0.30) +(0.2*A*0.1)

FE–Students Final Exam Marks

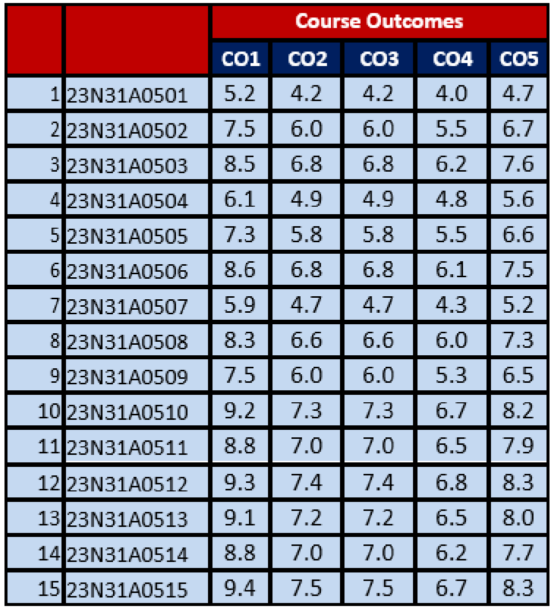
Sub-Students Subjective Test Marks

A-Students Assignment Marks

Step-5: Course outcome Attainment according to CO% of Assessment methods (Table:4)

Using the formula defined in Step-4, Course Outcome Attainment is calculated for all the students and a sample for15students is shown below.

Table4: Course Outcome Attainment



		Course Outcomes				
		CO1	CO2	CO3	CO4	CO5
1	23N31A0501	5.2	4.2	4.2	4.0	4.7
2	23N31A0502	7.5	6.0	6.0	5.5	6.7
3	23N31A0503	8.5	6.8	6.8	6.2	7.6
4	23N31A0504	6.1	4.9	4.9	4.8	5.6
5	23N31A0505	7.3	5.8	5.8	5.5	6.6
6	23N31A0506	8.6	6.8	6.8	6.1	7.5
7	23N31A0507	5.9	4.7	4.7	4.3	5.2
8	23N31A0508	8.3	6.6	6.6	6.0	7.3
9	23N31A0509	7.5	6.0	6.0	5.3	6.5
10	23N31A0510	9.2	7.3	7.3	6.7	8.2
11	23N31A0511	8.8	7.0	7.0	6.5	7.9
12	23N31A0512	9.3	7.4	7.4	6.8	8.3
13	23N31A0513	9.1	7.2	7.2	6.5	8.0
14	23N31A0514	8.8	7.0	7.0	6.2	7.7
15	23N31A0515	9.4	7.5	7.5	6.7	8.3

Step-6: Setting up a target for each CO

While defining the normalized equation for the target value of individual Cos the following considerations are done

- 42% of Final Exam Marks
- 60%of Subjective Marks
- 60% of Assignment Marks

In addition to the above list Overall percentage distribution in Table 2(a) and Average of individual Cos in Table (1) are considered.

Target for

CO1= (0.60*25.2) + (0.30*18) + (0.1*6) * 0.2

CO2= (0.60*25.2) + (0.30*18) + (0.1*6) * 0.2

CO3= (0.60*25.2) + (0.30*18) + (0.1*6) * 0.2

CO4= (0.60*25.2) + (0.30*18) + (0.1*6) * 0.2

CO5= (0.60*25.2) + (0.30*18) + (0.1*6) * 0.2

Similar procedure is followed for Labs

Step-7: Assessment of CO Attainment (Table: 5)

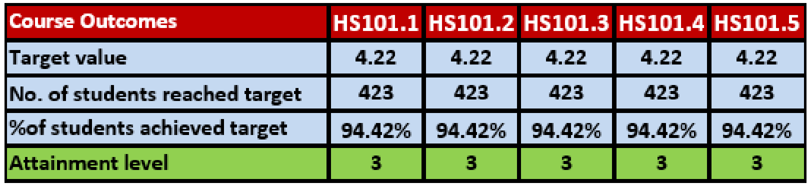
Find the percentage of students who reached the target of each individual Cos (Step-6) using table4.

If 70% and above of Students have reached the target then the Attainment Level is 3

If 60% to 69% of Students have reached the target then the Attainment Level is 2

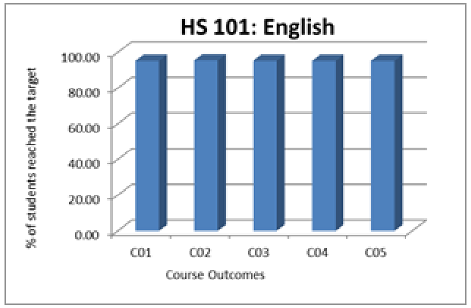
If 50% to 59% of Students have reached the target then the Attainment Level is 1

Below 50% then that particular CO is not attained.



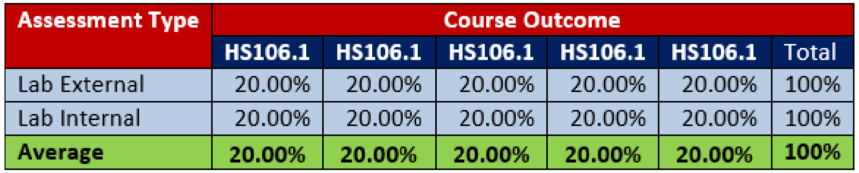
Course Outcomes	HS101.1	HS101.2	HS101.3	HS101.4	HS101.5
Target value	4.22	4.22	4.22	4.22	4.22
No. of students reached target	423	423	423	423	423
%of students achieved target	94.42%	94.42%	94.42%	94.42%	94.42%
Attainment level	3	3	3	3	3

The graphical representation is as shown below



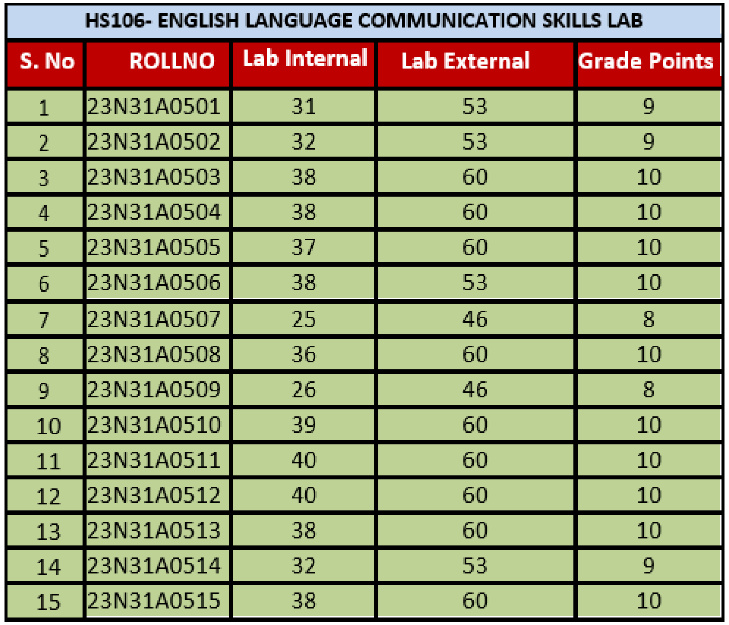
English Language Communication Skills Lab (ELCS LAB)

Table1: Assessment-CO Matrix (Autonomous – R22)



Assessment Type	Course Outcome					
	HS106.1	HS106.1	HS106.1	HS106.1	HS106.1	Total
Lab External	20.00%	20.00%	20.00%	20.00%	20.00%	100%
Lab Internal	20.00%	20.00%	20.00%	20.00%	20.00%	100%
Average	20.00%	20.00%	20.00%	20.00%	20.00%	100%

Table 2: Students marks according to the assessment type applicable



HS106- ENGLISH LANGUAGE COMMUNICATION SKILLS LAB				
S. No	**ROLLNO**	**Lab Internal**	**Lab External**	**Grade Points**
1	23N31A0501	31	53	9
2	23N31A0502	32	53	9
3	23N31A0503	38	60	10
4	23N31A0504	38	60	10
5	23N31A0505	37	60	10
6	23N31A0506	38	53	10
7	23N31A0507	25	46	8
8	23N31A0508	36	60	10
9	23N31A0509	26	46	8
10	23N31A0510	39	60	10
11	23N31A0511	40	60	10
12	23N31A0512	40	60	10
13	23N31A0513	38	60	10
14	23N31A0514	32	53	9
15	23N31A0515	38	60	10

CO1= (0.2*LE*0.60) + (0.20*LI*0.4)

CO2= (0.2*LE*0.60) + (0.20*LI*0.4)

CO3= (0.2*LE*0.60) + (0.20*LI*0.4)

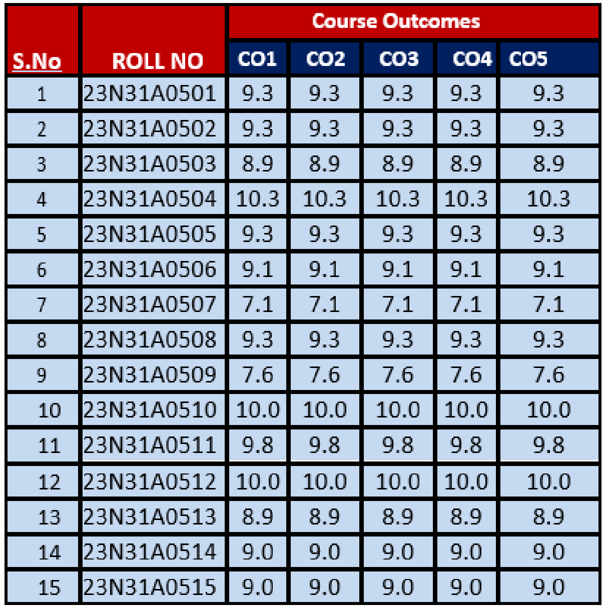
CO4= (0.2*LE*0.60) + (0.20*LI*0.4))

CO5= (0.2*LE*0.60) + (0.20*LI*0.4))

LE- Students Lab External Marks

LI - Students Lab Internal Marks

Table 3: Course Outcome Attainment



S.No	**ROLL NO**	**Course Outcomes**				
		CO1	**CO2**	**CO3**	**CO4**	**CO5**
1	23N31A0501	9.3	9.3	9.3	9.3	9.3
2	23N31A0502	9.3	9.3	9.3	9.3	9.3
3	23N31A0503	8.9	8.9	8.9	8.9	8.9
4	23N31A0504	10.3	10.3	10.3	10.3	10.3
5	23N31A0505	9.3	9.3	9.3	9.3	9.3
6	23N31A0506	9.1	9.1	9.1	9.1	9.1
7	23N31A0507	7.1	7.1	7.1	7.1	7.1
8	23N31A0508	9.3	9.3	9.3	9.3	9.3
9	23N31A0509	7.6	7.6	7.6	7.6	7.6
10	23N31A0510	10.0	10.0	10.0	10.0	10.0
11	23N31A0511	9.8	9.8	9.8	9.8	9.8
12	23N31A0512	10.0	10.0	10.0	10.0	10.0
13	23N31A0513	8.9	8.9	8.9	8.9	8.9
14	23N31A0514	9.0	9.0	9.0	9.0	9.0
15	23N31A0515	9.0	9.0	9.0	9.0	9.0

Target for

CO1= (0.6*25.2)+(0.15*9)+(0.2*12)+(0.05*3)

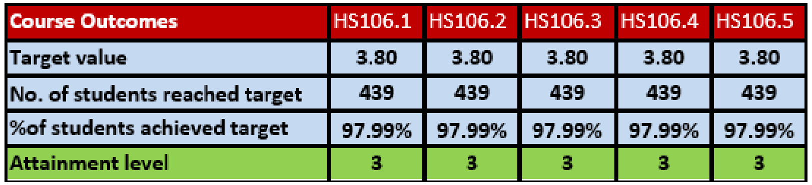
CO2= (0.6*25.2)+(0.15*9)+(0.2*12)+(0.05*3)

CO3= (0.6*25.2)+(0.15*9)+(0.2*12)+(0.05*3)

CO4= (0.6*25.2)+(0.15*9)+(0.2*12)+(0.05*3)

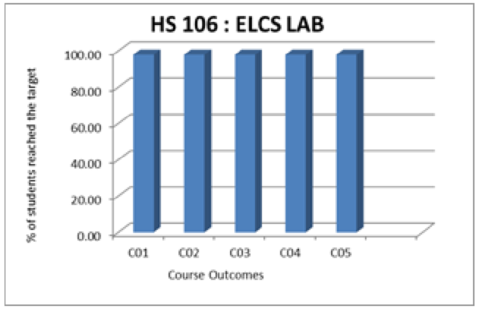
CO5= (0.6*25.2)+(0.15*9)+(0.2*12)+(0.05*3)

The CO attainments are tabulated as follows



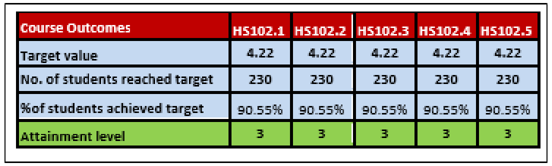
Course Outcomes	HS106.1	HS106.2	HS106.3	HS106.4	HS106.5
Target value	3.80	3.80	3.80	3.80	3.80
No. of students reached target	439	439	439	439	439
%of students achieved target	97.99%	97.99%	97.99%	97.99%	97.99%
Attainment level	3	3	3	3	3

The graphical representation is as shown below

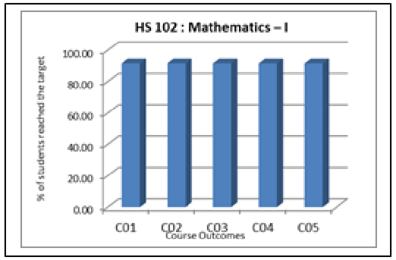


The CO attainments are tabulated as follows

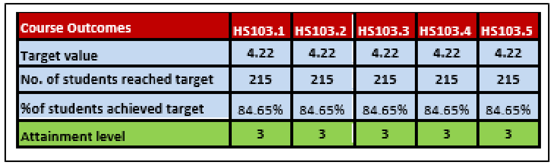
Mathematics I



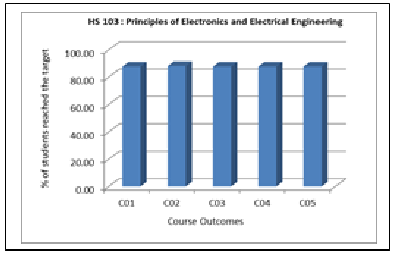
Course Outcomes	HS102.1	HS102.2	HS102.3	HS102.4	HS102.5
Target value	4.22	4.22	4.22	4.22	4.22
No. of students reached target	230	230	230	230	230
%of students achieved target	90.55%	90.55%	90.55%	90.55%	90.55%
Attainment level	3	3	3	3	3



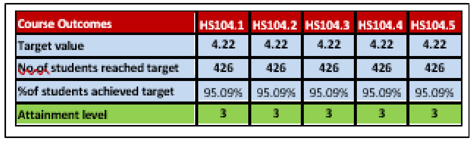
Principles of Electronics and Electrical Engineering



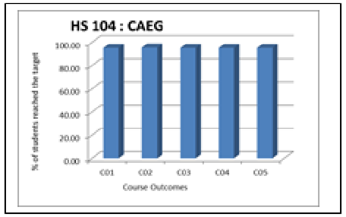
Course Outcomes	HS103.1	HS103.2	HS103.3	HS103.4	HS103.5
Target value	4.22	4.22	4.22	4.22	4.22
No. of students reached target	215	215	215	215	215
%of students achieved target	84.65%	84.65%	84.65%	84.65%	84.65%
Attainment level	3	3	3	3	3



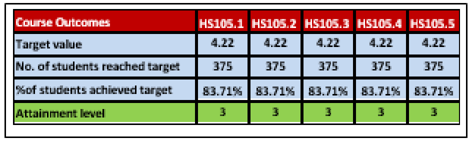
Computer Aided Engineering Graphics



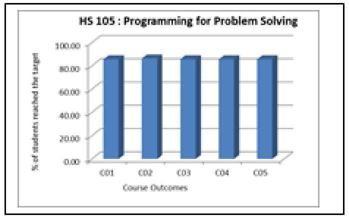
Course Outcomes	HS104.1	HS104.2	HS104.3	HS104.4	HS104.5
Target value	4.22	4.22	4.22	4.22	4.22
No.of students reached target	426	426	426	426	426
%of students achieved target	95.09%	95.09%	95.09%	95.09%	95.09%
Attainment level	3	3	3	3	3



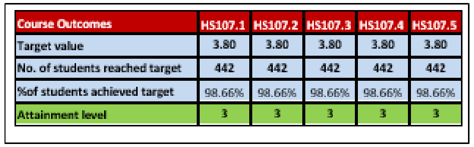
Programming for Problem Solving



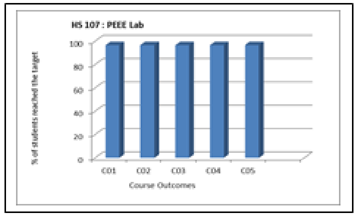
Course Outcomes	HS105.1	HS105.2	HS105.3	HS105.4	HS105.5
Target value	4.22	4.22	4.22	4.22	4.22
No. of students reached target	375	375	375	375	375
%of students achieved target	83.71%	83.71%	83.71%	83.71%	83.71%
Attainment level	3	3	3	3	3



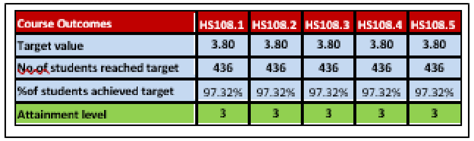
Principles of Electrical and Electronic Engineering Lab



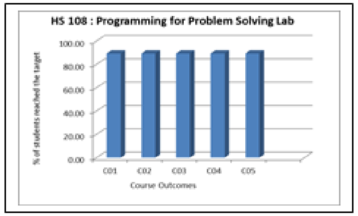
Course Outcomes	HS107.1	HS107.2	HS107.3	HS107.4	HS107.5
Target value	3.80	3.80	3.80	3.80	3.80
No. of students reached target	442	442	442	442	442
%of students achieved target	98.66%	98.66%	98.66%	98.66%	98.66%
Attainment level	3	3	3	3	3



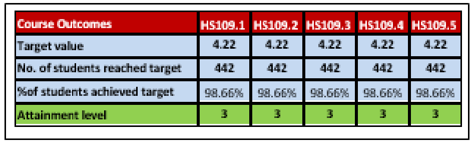
Programming for Problem Solving Lab



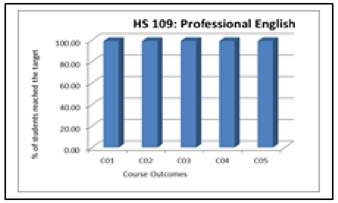
Course Outcomes	HS108.1	HS108.2	HS108.3	HS108.4	HS108.5
Target value	3.80	3.80	3.80	3.80	3.80
No.of students reached target	436	436	436	436	436
%of students achieved target	97.32%	97.32%	97.32%	97.32%	97.32%
Attainment level	3	3	3	3	3



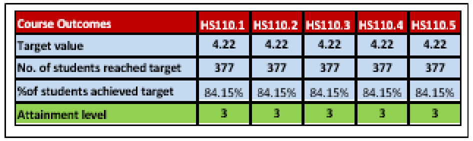
Professional English



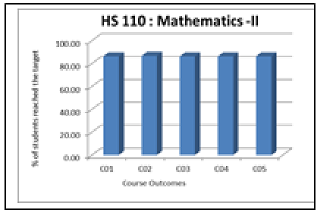
Course Outcomes	HS109.1	HS109.2	HS109.3	HS109.4	HS109.5
Target value	4.22	4.22	4.22	4.22	4.22
No. of students reached target	442	442	442	442	442
%of students achieved target	98.66%	98.66%	98.66%	98.66%	98.66%
Attainment level	3	3	3	3	3



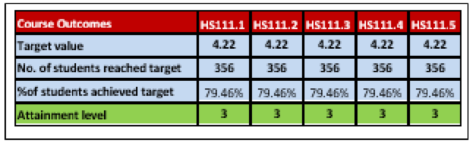
Mathematics- II



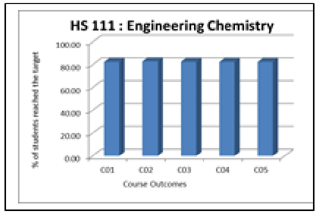
Course Outcomes	HS110.1	HS110.2	HS110.3	HS110.4	HS110.5
Target value	4.22	4.22	4.22	4.22	4.22
No. of students reached target	377	377	377	377	377
%of students achieved target	84.15%	84.15%	84.15%	84.15%	84.15%
Attainment level	3	3	3	3	3



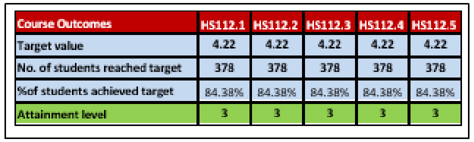
Engineering Chemistry



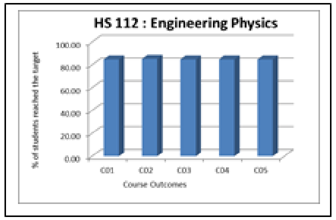
Course Outcomes	HS111.1	HS111.2	HS111.3	HS111.4	HS111.5
Target value	4.22	4.22	4.22	4.22	4.22
No. of students reached target	356	356	356	356	356
%of students achieved target	79.46%	79.46%	79.46%	79.46%	79.46%
Attainment level	3	3	3	3	3



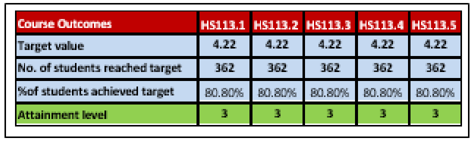
Engineering Physics



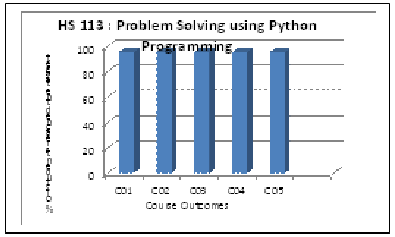
Course Outcomes	HS112.1	HS112.2	HS112.3	HS112.4	HS112.5
Target value	4.22	4.22	4.22	4.22	4.22
No. of students reached target	378	378	378	378	378
%of students achieved target	84.38%	84.38%	84.38%	84.38%	84.38%
Attainment level	3	3	3	3	3



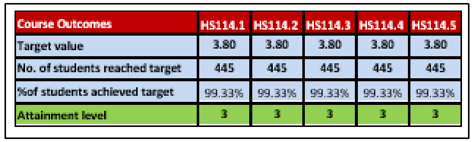
Problem Solving using Python Programming



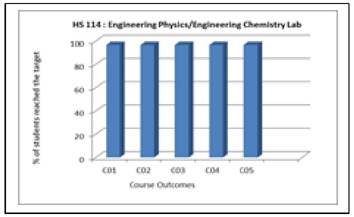
Course Outcomes	HS113.1	HS113.2	HS113.3	HS113.4	HS113.5
Target value	4.22	4.22	4.22	4.22	4.22
No. of students reached target	362	362	362	362	362
%of students achieved target	80.80%	80.80%	80.80%	80.80%	80.80%
Attainment level	3	3	3	3	3



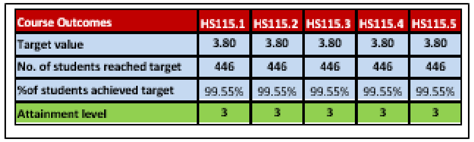
Engineering Physics/Chemistry Lab



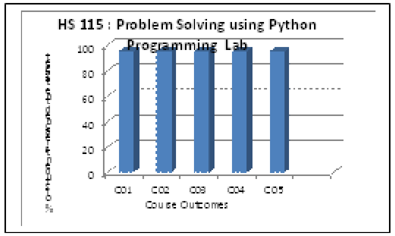
Course Outcomes	HS114.1	HS114.2	HS114.3	HS114.4	HS114.5
Target value	3.80	3.80	3.80	3.80	3.80
No. of students reached target	445	445	445	445	445
%of students achieved target	99.33%	99.33%	99.33%	99.33%	99.33%
Attainment level	3	3	3	3	3



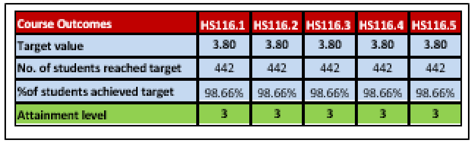
Problem Solving using Python Programming Lab



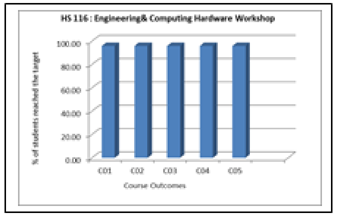
Course Outcomes	HS115.1	HS115.2	HS115.3	HS115.4	HS115.5
Target value	3.80	3.80	3.80	3.80	3.80
No. of students reached target	446	446	446	446	446
%of students achieved target	99.55%	99.55%	99.55%	99.55%	99.55%
Attainment level	3	3	3	3	3



Engineering & Computing Hardware Workshop



Course Outcomes	HS116.1	HS116.2	HS116.3	HS116.4	HS116.5
Target value	3.80	3.80	3.80	3.80	3.80
No. of students reached target	442	442	442	442	442
%of students achieved target	98.66%	98.66%	98.66%	98.66%	98.66%
Attainment level	3	3	3	3	3



Assessment of the Attainment of Cos: 2022-23

The procedure for recording the attainment of Course Outcomes (COs) of all courses with respect to target attainment levels are explained as shown below:

Step-1: Assessment–CO matrix (Table: 1)

Assessment types used for obtaining Assessment-CO Matrix are:

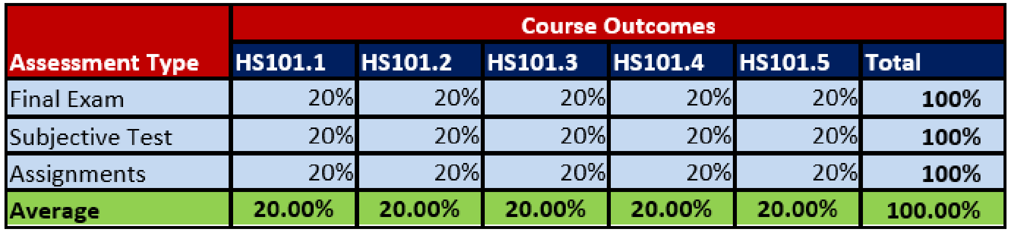
1. Final Exam
2. Subjective Test
3. Assignments
4. Practical Exam

Based on Course Outcomes defined for each course, the Assessment-CO Matrix is obtained by reflecting percentage of COs contributed in each assessment type.

Finally the average percentage of each CO is calculated which will be considered to calculate the target value to assess whether a particular CO is attained or not for a particular course.

For example, the Assessment-CO matrix table for ENGLISH course is shown below:

Table1: Assessment-CO Matrix (Autonomous – R 22)

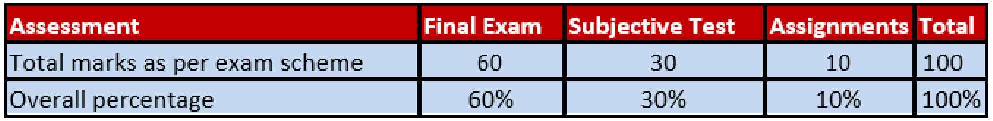


Assessment Type	Course Outcomes					
	HS101.1	HS101.2	HS101.3	HS101.4	HS101.5	Total
Final Exam	20%	20%	20%	20%	20%	**100%**
Subjective Test	20%	20%	20%	20%	20%	**100%**
Assignments	20%	20%	20%	20%	20%	**100%**
Average	**20.00%**	**20.00%**	**20.00%**	**20.00%**	**20.00%**	**100.00%**

Step-2: Overall Percentage Distribution (Table: 2)

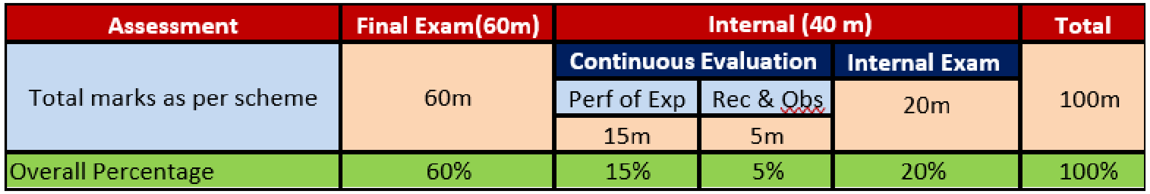
As per the **Autonomous Regulations (R22)**, the Overall Percentage Distribution is shown below which is useful in calculation of attainment of Cos

Table 2(a): Overall Percentage Distribution



Assessment	Final Exam	Subjective Test	Assignments	Total
Total marks as per exam scheme	60	30	10	100
Overall percentage	60%	30%	10%	100%

Table2(b): Overall Percentage Distribution for Labs

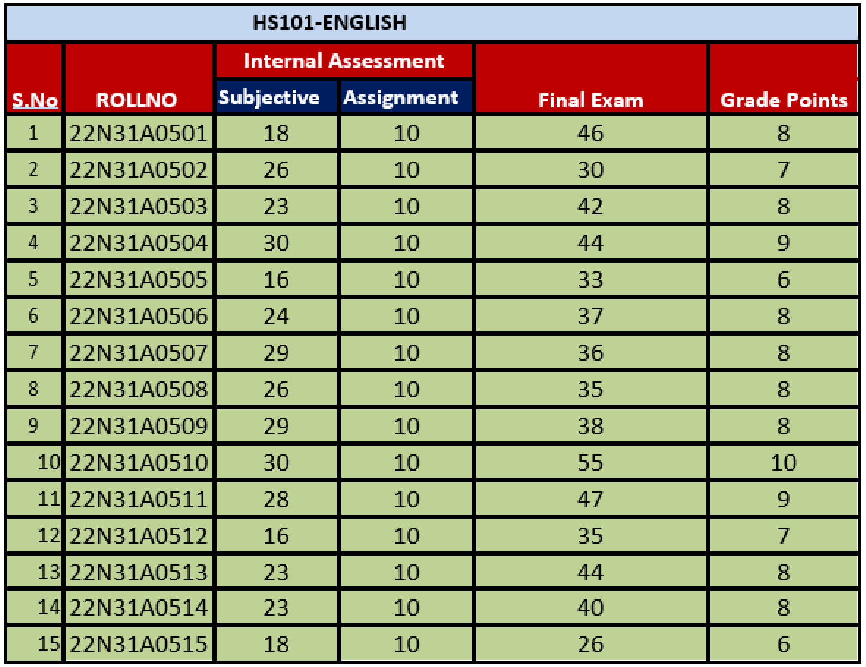


Assessment	Final Exam(60m)	Internal (40 m)			Total
		Continuous Evaluation		Internal Exam	
Total marks as per scheme	60m	Perf of Exp	Rec & Obs	20m	100m
		15m	5m		
Overall Percentage	60%	15%	5%	20%	100%

Step-3: Student Marks according to each assessment group (Table:3)

Student Marks are to be recorded as per the assessment type mentioned in Table1. The marks are to be recorded for all the students. In the table shown below, a sample of 15 student's marks is shown for Autonomous R22 regulation.

Table3: Students marks according to the assessment type applicable



HS101-ENGLISH					
		Internal Assessment			
S.No	ROLLNO	Subjective	Assignment	Final Exam	Grade Points
1	22N31A0501	18	10	46	8
2	22N31A0502	26	10	30	7
3	22N31A0503	23	10	42	8
4	22N31A0504	30	10	44	9
5	22N31A0505	16	10	33	6
6	22N31A0506	24	10	37	8
7	22N31A0507	29	10	36	8
8	22N31A0508	26	10	35	8
9	22N31A0509	29	10	38	8
10	22N31A0510	30	10	55	10
11	22N31A0511	28	10	47	9
12	22N31A0512	16	10	35	7
13	22N31A0513	23	10	44	8
14	22N31A0514	23	10	40	8
15	22N31A0515	18	10	26	6

Step-4: Defining Normalized Equation to obtain Course Outcome Attainment (Table4)

CO1=(0.2*FE*0.6)+(0.20*Sub*0.3) +(0.2*A*0.1)

CO2=(0.2*FE*0.6)+(0.20*Sub*0.3) +(0.2*A*0.1)

CO3=(0.2*FE*0.6)+(0.20*Sub*0.3) +(0.2*A*0.1)

CO4=(0.2*FE*0.6)+(0.20*Sub*0.3) +(0.2*A*0.1)

CO5=(0.2*FE*0.6)+(0.20*Sub*0.3) +(0.2*A*0.1)

FE–Students Final Exam Marks

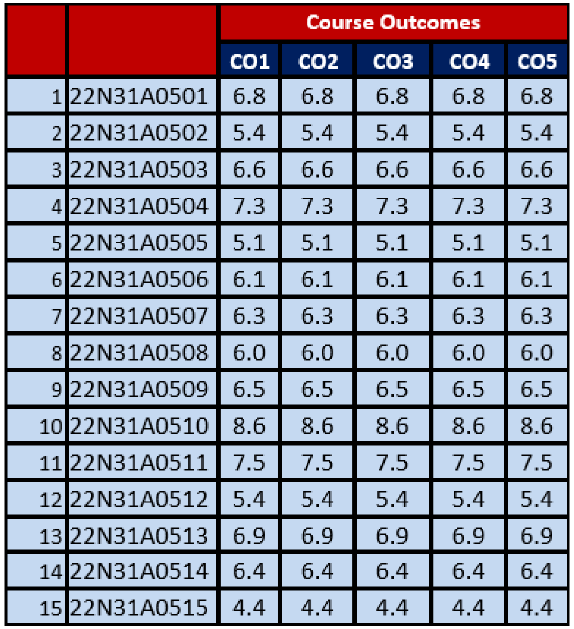
Sub-Students Subjective Test Marks

A-Students Assignment Marks

Step-5: Course outcome Attainment according to CO% of Assessment methods (Table:4)

Using the formula defined in Step-4, Course Outcome Attainment is calculated for all the students and a sample for15students is shown below.

Table4: Course Outcome Attainment



		Course Outcomes				
		CO1	CO2	CO3	CO4	CO5
1	22N31A0501	6.8	6.8	6.8	6.8	6.8
2	22N31A0502	5.4	5.4	5.4	5.4	5.4
3	22N31A0503	6.6	6.6	6.6	6.6	6.6
4	22N31A0504	7.3	7.3	7.3	7.3	7.3
5	22N31A0505	5.1	5.1	5.1	5.1	5.1
6	22N31A0506	6.1	6.1	6.1	6.1	6.1
7	22N31A0507	6.3	6.3	6.3	6.3	6.3
8	22N31A0508	6.0	6.0	6.0	6.0	6.0
9	22N31A0509	6.5	6.5	6.5	6.5	6.5
10	22N31A0510	8.6	8.6	8.6	8.6	8.6
11	22N31A0511	7.5	7.5	7.5	7.5	7.5
12	22N31A0512	5.4	5.4	5.4	5.4	5.4
13	22N31A0513	6.9	6.9	6.9	6.9	6.9
14	22N31A0514	6.4	6.4	6.4	6.4	6.4
15	22N31A0515	4.4	4.4	4.4	4.4	4.4

Step-6: Setting up a target for each CO

While defining the normalized equation for the target value of individual Cos the following considerations are done

- 42% of Final Exam Marks
- 60%of Subjective Marks
- 60% of Assignment Marks

In addition to the above list Overall percentage distribution in Table 2(a) and Average of individual Cos in Table(1) are considered.

Target forCO1=(0.6*25.2)+(0.3*18)+(0.1*6)*0.2

TargetforCO2=(0.6*25.2)+(0.3*18)+(0.1*6)*0.2

TargetforCO3=(0.6*25.2)+(0.3*18)+(0.1*6)*0.2

TargetforCO4=(0.6*25.2)+(0.3*18)+(0.1*6)*0.2

Target for CO5=(0.6*25.2)+(0.3*18)+(0.1*6)*0.2

Similar procedure is followed for Labs

Step-7: Assessment of CO Attainment (Table: 5)

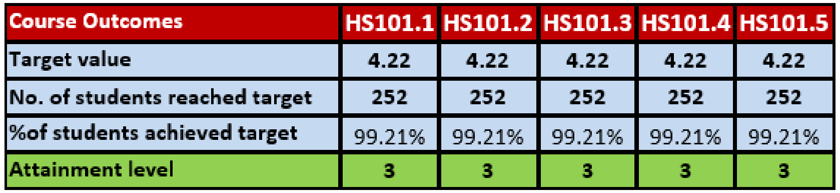
Find the percentage of students who reached the target of each individual Cos (Step-6) using table4.

If 70% and above of Students have reached the target then the Attainment Level is 3

If 60% to 69% of Students have reached the target then the Attainment Level is 2

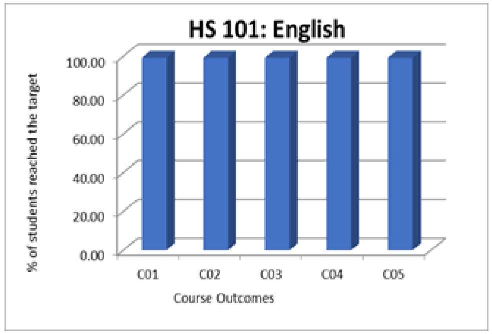
If 50% to 59% of Students have reached the target then the Attainment Level is 1

Below 50% then that particular CO is not attained.



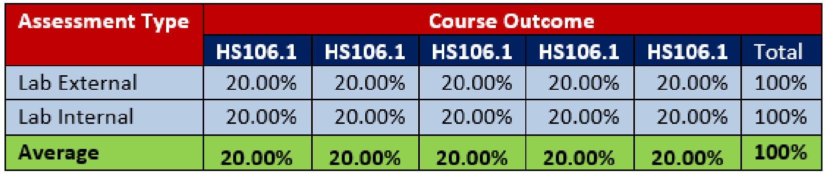
Course Outcomes	HS101.1	HS101.2	HS101.3	HS101.4	HS101.5
Target value	4.22	4.22	4.22	4.22	4.22
No. of students reached target	252	252	252	252	252
%of students achieved target	99.21%	99.21%	99.21%	99.21%	99.21%
Attainment level	3	3	3	3	3

The graphical representation is as shown below



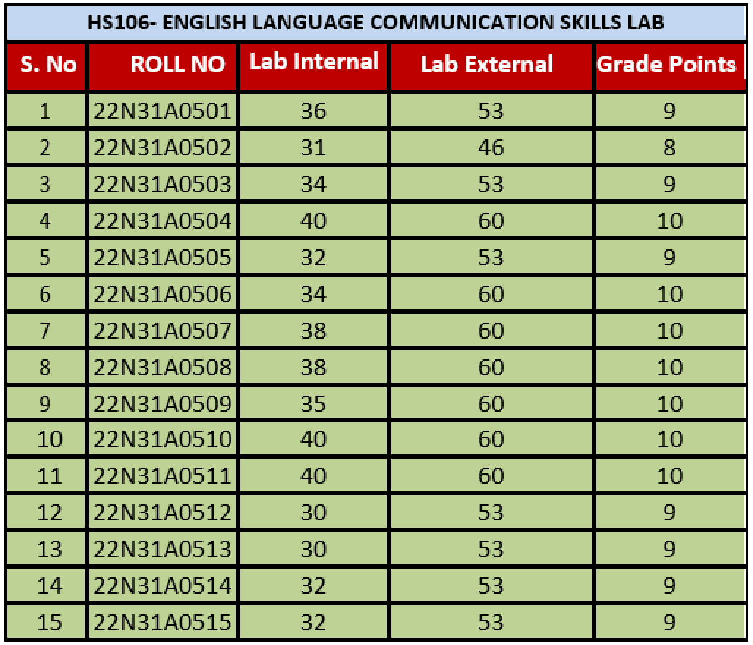
Englis Language Communication Skills Lab (ELCS LAB)

Table1: Assessment-CO Matrix (Autonomous – R22)



Assessment Type	Course Outcome					
	HS106.1	HS106.1	HS106.1	HS106.1	HS106.1	Total
Lab External	20.00%	20.00%	20.00%	20.00%	20.00%	100%
Lab Internal	20.00%	20.00%	20.00%	20.00%	20.00%	100%
Average	20.00%	20.00%	20.00%	20.00%	20.00%	100%

Table 2: Students marks according to the assessment type applicable



HS106- ENGLISH LANGUAGE COMMUNICATION SKILLS LAB				
S. No	**ROLL NO**	**Lab Internal**	**Lab External**	**Grade Points**
1	22N31A0501	36	53	9
2	22N31A0502	31	46	8
3	22N31A0503	34	53	9
4	22N31A0504	40	60	10
5	22N31A0505	32	53	9
6	22N31A0506	34	60	10
7	22N31A0507	38	60	10
8	22N31A0508	38	60	10
9	22N31A0509	35	60	10
10	22N31A0510	40	60	10
11	22N31A0511	40	60	10
12	22N31A0512	30	53	9
13	22N31A0513	30	53	9
14	22N31A0514	32	53	9
15	22N31A0515	32	53	9

CO1= (0.2*LE*0.60) + (0.20*LI*0.4)

CO2= (0.2*LE*0.60) + (0.20*LI*0.4)

CO3= (0.2*LE*0.60) + (0.20*LI*0.4)

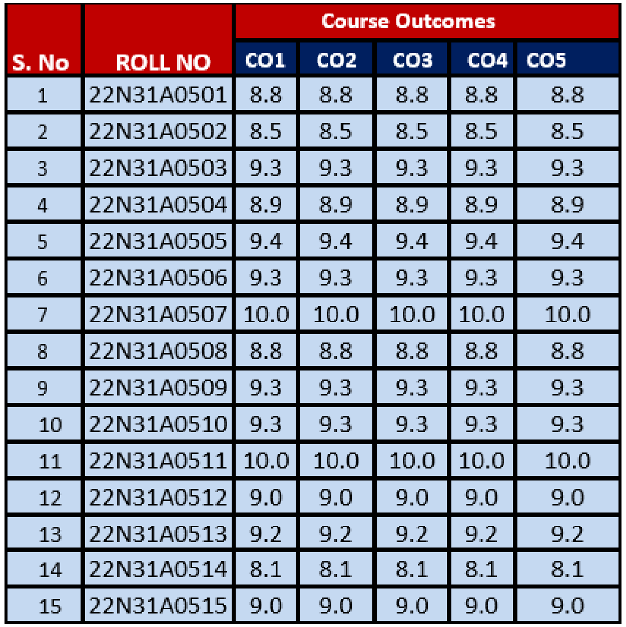
CO4= (0.2*LE*0.60) + (0.20*LI*0.4))

CO5= (0.2*LE*0.60) + (0.20*LI*0.4))

LE- Students Lab External Marks

LI - Students Lab Internal Marks

Table 3: Course Outcome Attainment



S. No	ROLL NO	Course Outcomes				
		CO1	CO2	CO3	CO4	CO5
1	22N31A0501	8.8	8.8	8.8	8.8	8.8
2	22N31A0502	8.5	8.5	8.5	8.5	8.5
3	22N31A0503	9.3	9.3	9.3	9.3	9.3
4	22N31A0504	8.9	8.9	8.9	8.9	8.9
5	22N31A0505	9.4	9.4	9.4	9.4	9.4
6	22N31A0506	9.3	9.3	9.3	9.3	9.3
7	22N31A0507	10.0	10.0	10.0	10.0	10.0
8	22N31A0508	8.8	8.8	8.8	8.8	8.8
9	22N31A0509	9.3	9.3	9.3	9.3	9.3
10	22N31A0510	9.3	9.3	9.3	9.3	9.3
11	22N31A0511	10.0	10.0	10.0	10.0	10.0
12	22N31A0512	9.0	9.0	9.0	9.0	9.0
13	22N31A0513	9.2	9.2	9.2	9.2	9.2
14	22N31A0514	8.1	8.1	8.1	8.1	8.1
15	22N31A0515	9.0	9.0	9.0	9.0	9.0

Target for

CO1= (0.6*25.2)+(0.15*9)+(0.2*12)+(0.05*3)

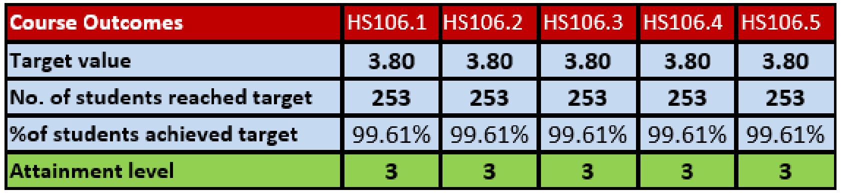
CO2= (0.6*25.2)+(0.15*9)+(0.2*12)+(0.05*3)

CO3=(0.6*25.2)+(0.15*9)+(0.2*12)+(0.05*3)

CO4= (0.6*25.2)+(0.15*9)+(0.2*12)+(0.05*3)

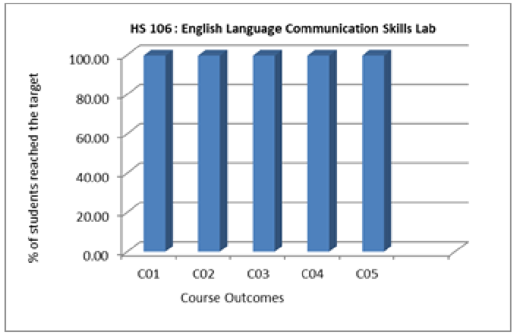
CO5= (0.6*25.2)+(0.15*9)+(0.2*12)+(0.05*3)

The CO attainments are tabulated as follows



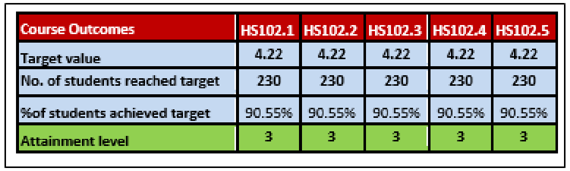
Course Outcomes	HS106.1	HS106.2	HS106.3	HS106.4	HS106.5
Target value	3.80	3.80	3.80	3.80	3.80
No. of students reached target	253	253	253	253	253
%of students achieved target	99.61%	99.61%	99.61%	99.61%	99.61%
Attainment level	3	3	3	3	3

The graphical representation is as shown below

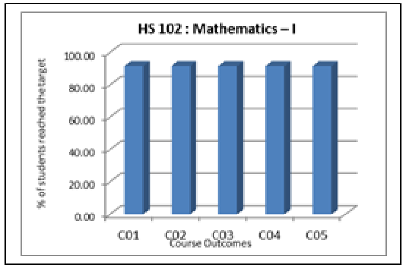


The CO attainments are tabulated as follows

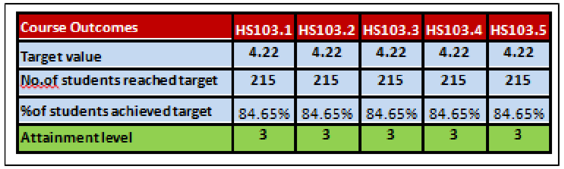
Mathematics I



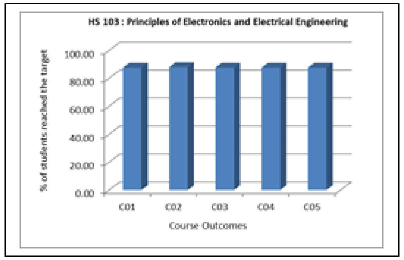
Course Outcomes	HS102.1	HS102.2	HS102.3	HS102.4	HS102.5
Target value	4.22	4.22	4.22	4.22	4.22
No. of students reached target	230	230	230	230	230
%of students achieved target	90.55%	90.55%	90.55%	90.55%	90.55%
Attainment level	3	3	3	3	3



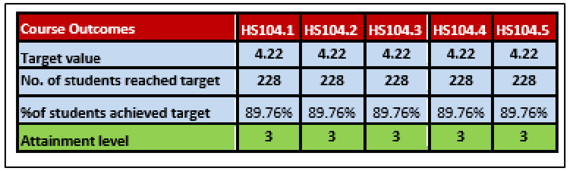
Principles of Electronics and Electrical Engineering



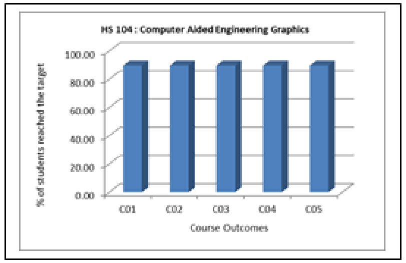
Course Outcomes	HS103.1	HS103.2	HS103.3	HS103.4	HS103.5
Target value	4.22	4.22	4.22	4.22	4.22
No.of students reached target	215	215	215	215	215
%of students achieved target	84.65%	84.65%	84.65%	84.65%	84.65%
Attainment level	3	3	3	3	3



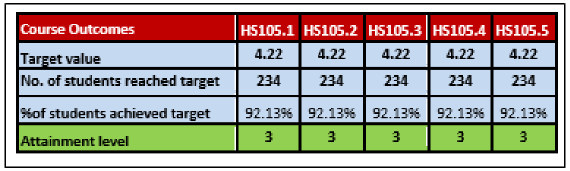
Computer Aided Engineering Graphics



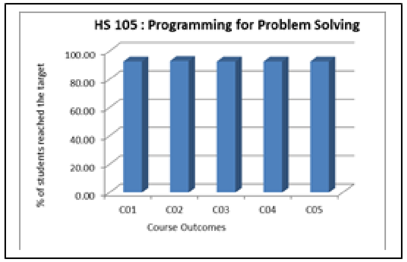
Course Outcomes	HS104.1	HS104.2	HS104.3	HS104.4	HS104.5
Target value	4.22	4.22	4.22	4.22	4.22
No. of students reached target	228	228	228	228	228
%of students achieved target	89.76%	89.76%	89.76%	89.76%	89.76%
Attainment level	3	3	3	3	3



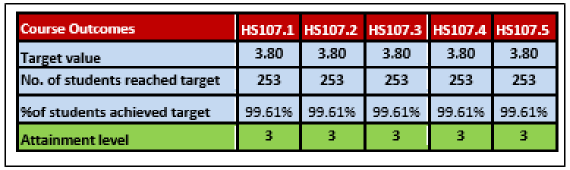
Programming for Problem Solving



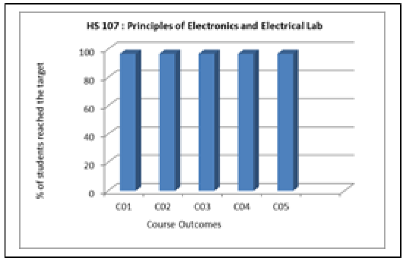
Course Outcomes	HS105.1	HS105.2	HS105.3	HS105.4	HS105.5
Target value	4.22	4.22	4.22	4.22	4.22
No. of students reached target	234	234	234	234	234
%of students achieved target	92.13%	92.13%	92.13%	92.13%	92.13%
Attainment level	3	3	3	3	3



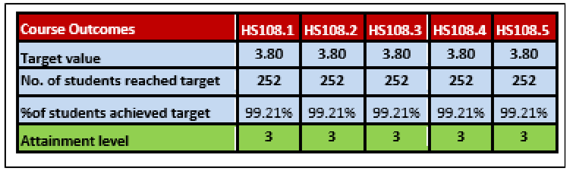
Principles of Electronics and Electrical Lab



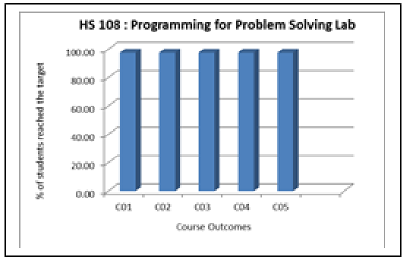
Course Outcomes	HS107.1	HS107.2	HS107.3	HS107.4	HS107.5
Target value	3.80	3.80	3.80	3.80	3.80
No. of students reached target	253	253	253	253	253
%of students achieved target	99.61%	99.61%	99.61%	99.61%	99.61%
Attainment level	3	3	3	3	3



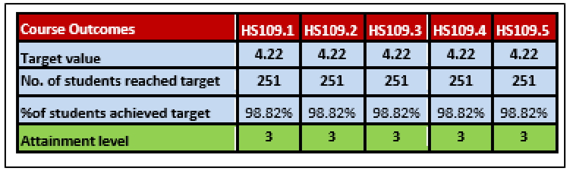
Programming for Problem Solving Lab



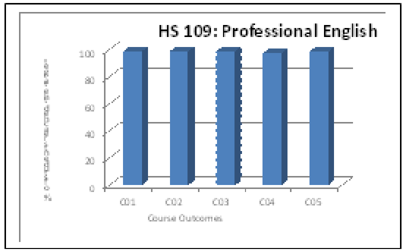
Course Outcomes	HS108.1	HS108.2	HS108.3	HS108.4	HS108.5
Target value	3.80	3.80	3.80	3.80	3.80
No. of students reached target	252	252	252	252	252
%of students achieved target	99.21%	99.21%	99.21%	99.21%	99.21%
Attainment level	3	3	3	3	3



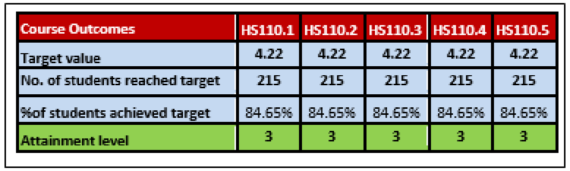
Professional English



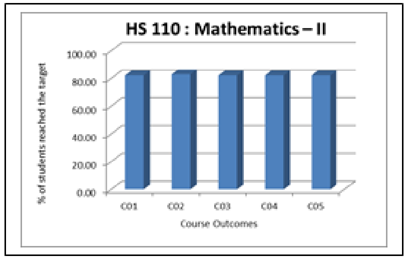
Course Outcomes	HS109.1	HS109.2	HS109.3	HS109.4	HS109.5
Target value	4.22	4.22	4.22	4.22	4.22
No. of students reached target	251	251	251	251	251
%of students achieved target	98.82%	98.82%	98.82%	98.82%	98.82%
Attainment level	3	3	3	3	3



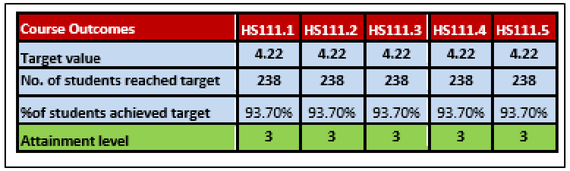
Mathematics II



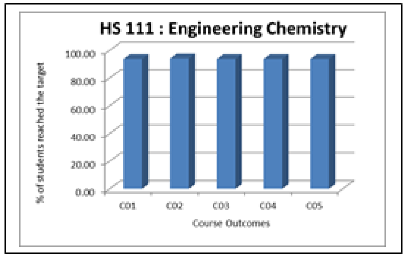
Course Outcomes	HS110.1	HS110.2	HS110.3	HS110.4	HS110.5
Target value	4.22	4.22	4.22	4.22	4.22
No. of students reached target	215	215	215	215	215
%of students achieved target	84.65%	84.65%	84.65%	84.65%	84.65%
Attainment level	3	3	3	3	3



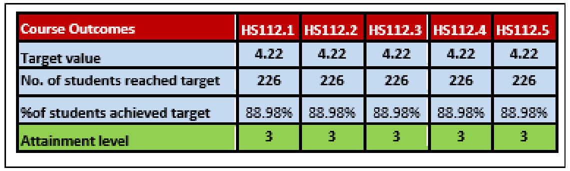
Engineering Chemistry



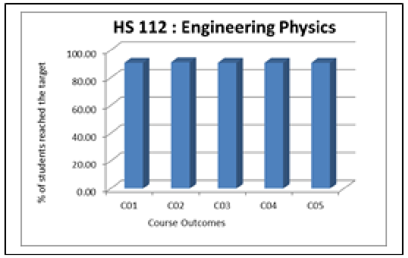
Course Outcomes	HS111.1	HS111.2	HS111.3	HS111.4	HS111.5
Target value	4.22	4.22	4.22	4.22	4.22
No. of students reached target	238	238	238	238	238
%of students achieved target	93.70%	93.70%	93.70%	93.70%	93.70%
Attainment level	3	3	3	3	3



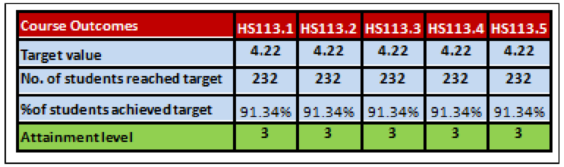
Engineering Physics



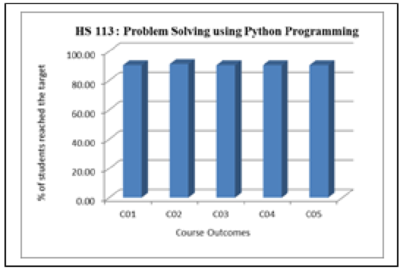
Course Outcomes	HS112.1	HS112.2	HS112.3	HS112.4	HS112.5
Target value	4.22	4.22	4.22	4.22	4.22
No. of students reached target	226	226	226	226	226
%of students achieved target	88.98%	88.98%	88.98%	88.98%	88.98%
Attainment level	3	3	3	3	3



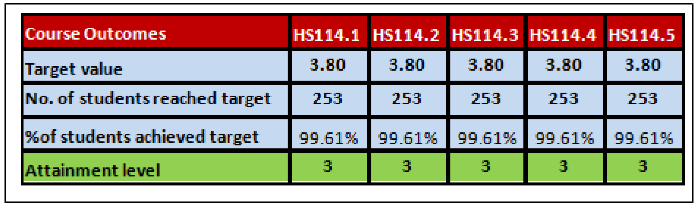
Problem Solving using Python Programming



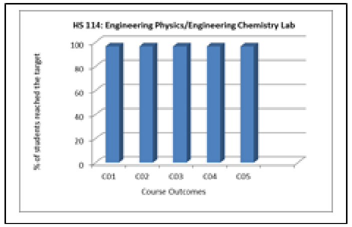
Course Outcomes	HS113.1	HS113.2	HS113.3	HS113.4	HS113.5
Target value	4.22	4.22	4.22	4.22	4.22
No. of students reached target	232	232	232	232	232
%of students achieved target	91.34%	91.34%	91.34%	91.34%	91.34%
Attainment level	3	3	3	3	3



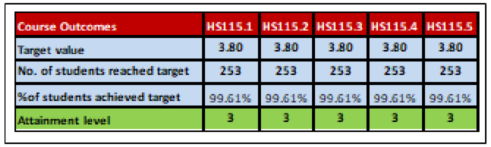
Engineering Physics/Chemistry Lab



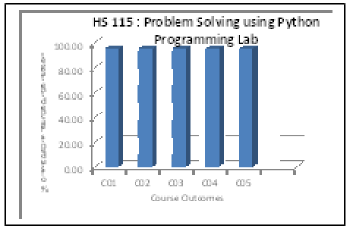
Course Outcomes	HS114.1	HS114.2	HS114.3	HS114.4	HS114.5
Target value	3.80	3.80	3.80	3.80	3.80
No. of students reached target	253	253	253	253	253
%of students achieved target	99.61%	99.61%	99.61%	99.61%	99.61%
Attainment level	3	3	3	3	3



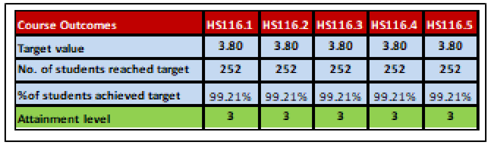
Problem Solving using Python Programming Lab



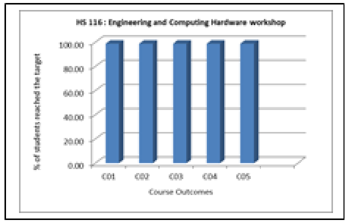
Course Outcomes	HS115.1	HS115.2	HS115.3	HS115.4	HS115.5
Target value	3.80	3.80	3.80	3.80	3.80
No. of students reached target	253	253	253	253	253
%of students achieved target	99.61%	99.61%	99.61%	99.61%	99.61%
Attainment level	3	3	3	3	3



Engineering and Computing Hardware workshop



Course Outcomes	HS116.1	HS116.2	HS116.3	HS116.4	HS116.5
Target value	3.80	3.80	3.80	3.80	3.80
No. of students reached target	252	252	252	252	252
%of students achieved target	99.21%	99.21%	99.21%	99.21%	99.21%
Attainment level	3	3	3	3	3



Assessment of the Attainment of Cos: 2021-22

The procedure for recording the attainment of Course Outcomes (COs) of all courses with respect to target attainment levels are explained as shown below:

Step-1: Assessment–CO matrix (Table: 1)

Assessment types used for obtaining Assessment-CO Matrix are:

1. Final Exam

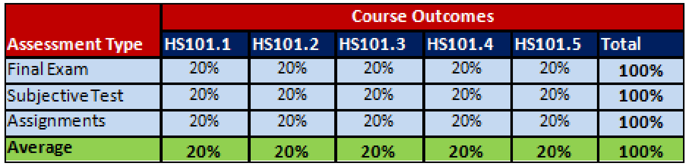
2. Subjective Test
3. Assignments
4. Practical Exam

Based on Course Outcomes defined for each course, the Assessment-CO Matrix is obtained by reflecting percentage of COs contributed in each assessment type.

Finally the average percentage of each CO is calculated which will be considered to calculate the target value to assess whether a particular CO is attained or not for a particular course.

For example, the Assessment-CO matrix table for ENGLISH course is shown below:

Table1: Assessment-CO Matrix (Autonomous – R20)

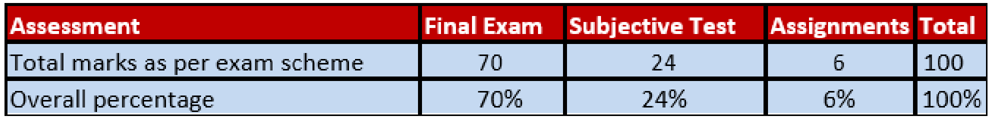


	Course Outcomes					
Assessment Type	**HS101.1**	**HS101.2**	**HS101.3**	**HS101.4**	**HS101.5**	**Total**
Final Exam	20%	20%	20%	20%	20%	**100%**
Subjective Test	20%	20%	20%	20%	20%	**100%**
Assignments	20%	20%	20%	20%	20%	**100%**
Average	**20%**	**20%**	**20%**	**20%**	**20%**	**100%**

Step-2: Overall Percentage Distribution(Table: 2)

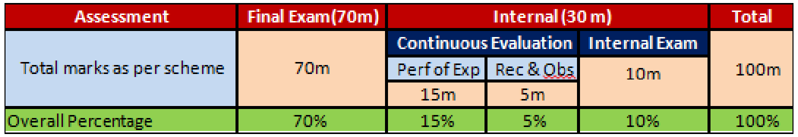
As per the **Autonomous Regulations (R20)**, the Overall Percentage Distribution is shown below which is useful in calculation of attainment of Cos

Table 2(a): Overall Percentage Distribution



Assessment	**Final Exam**	**Subjective Test**	**Assignments**	**Total**
Total marks as per exam scheme	70	24	6	100
Overall percentage	70%	24%	6%	100%

Table 2(b): Overall Percentage Distribution for Labs

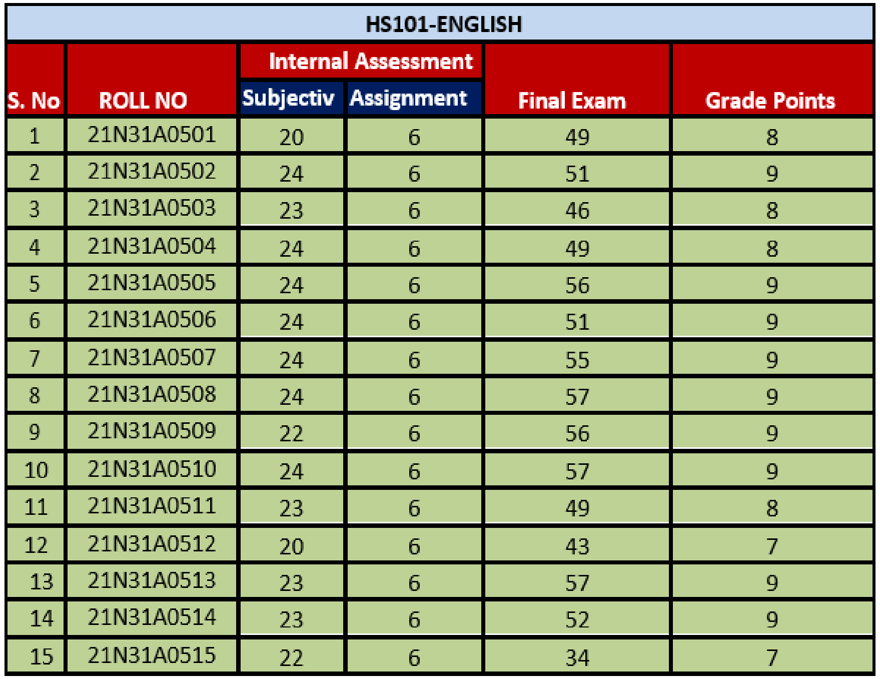


Assessment	Final Exam(70m)	Internal (30 m)			Total
		Continuous Evaluation		Internal Exam	
Total marks as per scheme	70m	Perf of Exp	Rec & Obs	10m	100m
		15m	5m		
Overall Percentage	70%	15%	5%	10%	100%

Step-3: Student Marks according to each assessment group (Table:3)

Student Marks are to be recorded as per the assessment type mentioned in Table1. The marks are to be recorded for all the students. In the table shown below, a sample of 15 student’s marks is shown for Autonomous R20 regulation.

Table 3: Students marks according to the assessment type applicable



HS101-ENGLISH					
S. No	ROLL NO	Internal Assessment		Final Exam	Grade Points
		Subjectiv	Assignment		
1	21N31A0501	20	6	49	8
2	21N31A0502	24	6	51	9
3	21N31A0503	23	6	46	8
4	21N31A0504	24	6	49	8
5	21N31A0505	24	6	56	9
6	21N31A0506	24	6	51	9
7	21N31A0507	24	6	55	9
8	21N31A0508	24	6	57	9
9	21N31A0509	22	6	56	9
10	21N31A0510	24	6	57	9
11	21N31A0511	23	6	49	8
12	21N31A0512	20	6	43	7
13	21N31A0513	23	6	57	9
14	21N31A0514	23	6	52	9
15	21N31A0515	22	6	34	7

Step-4: Defining Normalized Equation to obtain Course Outcome Attainment (Table4)

CO1=(0.2*FE*0.70)+(0.2*Sub*0.24)+(0.2*A*0.06)

CO2=(0.2*FE*0.70)+(0.2*Sub*0.24) +(0.2*A*0.06)

CO3=(0.2*FE*0.70)+(0.2*Sub*0.24) +(0.2*A*0.06)

CO4=(0.2*FE*0.70)+(0.2*Sub*0.24) +(0.2*A*0.06)

CO5=(0.2*FE*0.70)+(0.2*Sub*0.24) +(0.2*A*0.06)

FE–Students Final Exam Marks

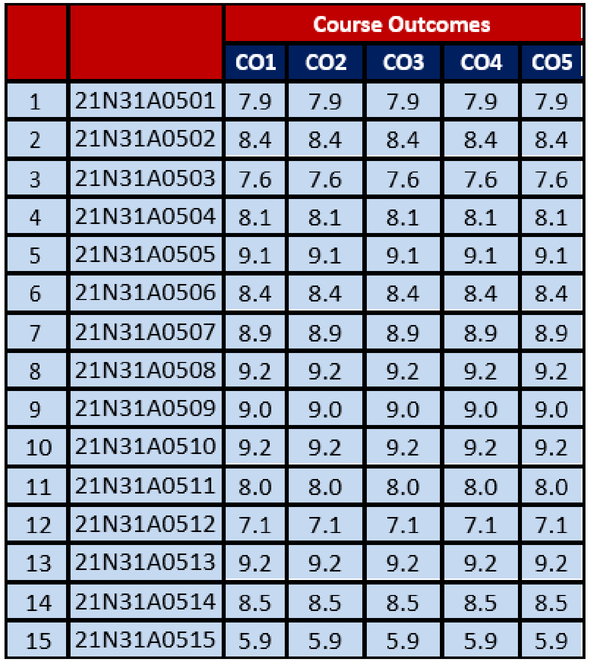
Sub-Students Subjective Test Marks

A-Students Assignment Marks

Step-5: Course outcome Attainment according to CO% of Assessment methods (Table: 4)

Using the formula defined in Step-4, Course Outcome Attainment is calculated for all the students and a sample for15 students is shown below

Table4: Course Outcome Attainment



		Course Outcomes				
		CO1	CO2	CO3	CO4	CO5
1	21N31A0501	7.9	7.9	7.9	7.9	7.9
2	21N31A0502	8.4	8.4	8.4	8.4	8.4
3	21N31A0503	7.6	7.6	7.6	7.6	7.6
4	21N31A0504	8.1	8.1	8.1	8.1	8.1
5	21N31A0505	9.1	9.1	9.1	9.1	9.1
6	21N31A0506	8.4	8.4	8.4	8.4	8.4
7	21N31A0507	8.9	8.9	8.9	8.9	8.9
8	21N31A0508	9.2	9.2	9.2	9.2	9.2
9	21N31A0509	9.0	9.0	9.0	9.0	9.0
10	21N31A0510	9.2	9.2	9.2	9.2	9.2
11	21N31A0511	8.0	8.0	8.0	8.0	8.0
12	21N31A0512	7.1	7.1	7.1	7.1	7.1
13	21N31A0513	9.2	9.2	9.2	9.2	9.2
14	21N31A0514	8.5	8.5	8.5	8.5	8.5
15	21N31A0515	5.9	5.9	5.9	5.9	5.9

Step-6: Setting up a target for each CO

While defining the normalized equation for the target value of individual Cos the following considerations are done

- 42% of Final Exam Marks
- 60%of Subjective Marks
- 60% of Assignment Marks

In addition to the above list Overall percentage distribution in Table 2(a) and Average of individual Cos in Table(1) are considered.

Target for

CO1=((0.70*29.4)+(0.24*14.4)+(0.06*3.6))*0.2

CO2=((0.70*29.4)+(0.24*14.4)+(0.06*3.6))*0.2

CO3=((0.70*29.4)+(0.24*14.4)+(0.06*3.6))*0.2

CO4=((0.70*29.4)+(0.24*14.4)+(0.06*3.6))*0.2

CO5=((0.70*29.4)+(0.24*14.4)+(0.06*3.6))*0.2

Similar procedure is followed for Labs

Step-7: Assessment of CO Attainment (Table: 5)

Find the percentage of students who reached the target of each individual Cos (Step-6) using table4.

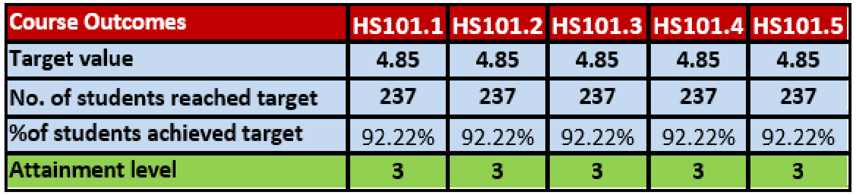
If 70% and above of Students have reached the target then the Attainment Level is 3

If 60% to 69% of Students have reached the target then the Attainment Level is 2

If 50% to 59% of Students have reached the target then the Attainment Level is 1

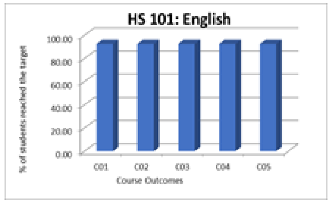
Below 50% then that particular CO is not attained.

The CO attainments are tabulated as follows



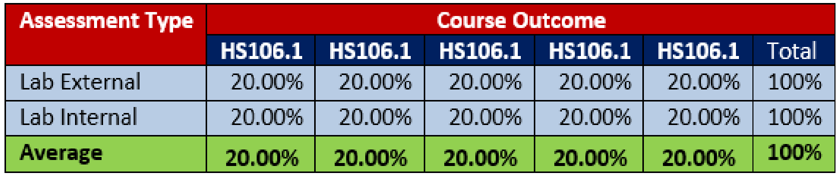
Course Outcomes	HS101.1	HS101.2	HS101.3	HS101.4	HS101.5
Target value	4.85	4.85	4.85	4.85	4.85
No. of students reached target	237	237	237	237	237
%of students achieved target	92.22%	92.22%	92.22%	92.22%	92.22%
Attainment level	3	3	3	3	3

The graphical representation is as shown below



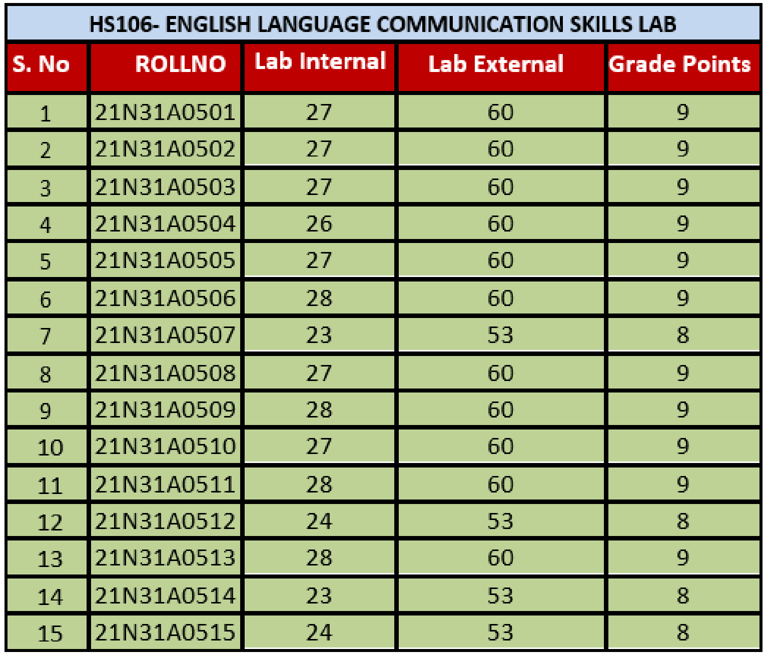
English Language Communication Skills Lab (ELCS LAB)

Table1: Assessment-CO Matrix (Autonomous – R20)



Assessment Type	Course Outcome					
	HS106.1	HS106.1	HS106.1	HS106.1	HS106.1	Total
Lab External	20.00%	20.00%	20.00%	20.00%	20.00%	100%
Lab Internal	20.00%	20.00%	20.00%	20.00%	20.00%	100%
Average	20.00%	20.00%	20.00%	20.00%	20.00%	100%

Table 2: Students marks according to the assessment type applicable



HS106- ENGLISH LANGUAGE COMMUNICATION SKILLS LAB

S. No	ROLLNO	Lab Internal	Lab External	Grade Points
1	21N31A0501	27	60	9
2	21N31A0502	27	60	9
3	21N31A0503	27	60	9
4	21N31A0504	26	60	9
5	21N31A0505	27	60	9
6	21N31A0506	28	60	9
7	21N31A0507	23	53	8
8	21N31A0508	27	60	9
9	21N31A0509	28	60	9
10	21N31A0510	27	60	9
11	21N31A0511	28	60	9
12	21N31A0512	24	53	8
13	21N31A0513	28	60	9
14	21N31A0514	23	53	8
15	21N31A0515	24	53	8

CO1= (0.2*LE*0.60) + (0.20*LI*0.4)

CO2= (0.2*LE*0.60) + (0.20*LI*0.4)

CO3= (0.2*LE*0.60) + (0.20*LI*0.4)

CO4= (0.2*LE*0.60) + (0.20*LI*0.4))

CO5= (0.2*LE*0.60) + (0.20*LI*0.4))

LE- Students Lab External Marks

LI - Students Lab Internal Marks

Table 3: Course Outcome Attainment

S. No	ROLL NO	Course Outcomes				
		CO1	CO2	CO3	CO4	CO5
1	21N31A0501	10.0	10.0	10.0	10.0	10.0
2	21N31A0502	10.0	10.0	10.0	10.0	10.0
3	21N31A0503	10.0	10.0	10.0	10.0	10.0
4	21N31A0504	10.0	10.0	10.0	10.0	10.0
5	21N31A0505	10.0	10.0	10.0	10.0	10.0
6	21N31A0506	10.1	10.1	10.1	10.1	10.1
7	21N31A0507	8.8	8.8	8.8	8.8	8.8
8	21N31A0508	10.0	10.0	10.0	10.0	10.0
9	21N31A0509	10.1	10.1	10.1	10.1	10.1
10	21N31A0510	10.0	10.0	10.0	10.0	10.0
11	21N31A0511	10.1	10.1	10.1	10.1	10.1
12	21N31A0512	8.9	8.9	8.9	8.9	8.9
13	21N31A0513	10.1	10.1	10.1	10.1	10.1
14	21N31A0514	8.8	8.8	8.8	8.8	8.8
15	21N31A0515	8.9	8.9	8.9	8.9	8.9

Target for

CO1= (0.7*29.4)+(0.15*9)+(0.1*6)+(0.05*3)

CO2= (0.7*29.4)+(0.15*9)+(0.1*6)+(0.05*3)

CO3=(0.7*29.4)+(0.15*9)+(0.1*6)+(0.05*3)

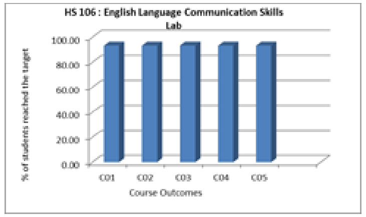
CO4= (0.7*29.4)+(0.15*9)+(0.1*6)+(0.05*3)

CO5= (0.7*29.4)+(0.15*9)+(0.1*6)+(0.05*3)

The CO attainments are tabulated as follows

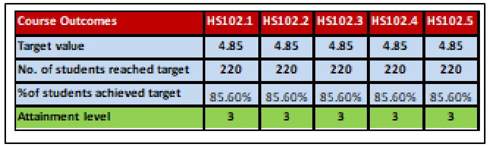
Course Outcomes	HS106.1	HS10600	HS106.3	HS106.4	HS106.5
Target value	4.54	4.54	4.54	4.54	4.54
No. of students reached target	240	240	240	240	240
%of students achieved target	93.39%	93.39%	93.39%	93.39%	93.39%
Attainment level	3	3	3	3	3

The graphical representation is as shown below

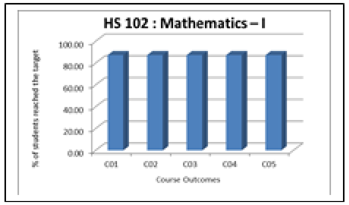


The CO attainments are tabulated as follows

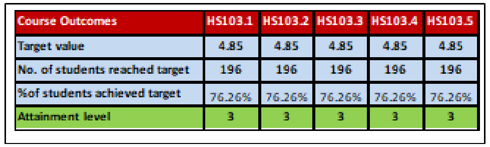
Mathematics-I



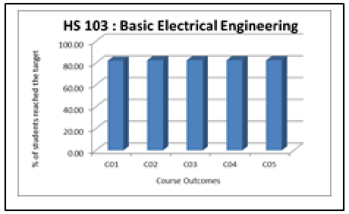
Course Outcomes	HS102.1	HS102.2	HS102.3	HS102.4	HS102.5
Target value	4.85	4.85	4.85	4.85	4.85
No. of students reached target	220	220	220	220	220
%of students achieved target	85.60%	85.60%	85.60%	85.60%	85.60%
Attainment level	3	3	3	3	3



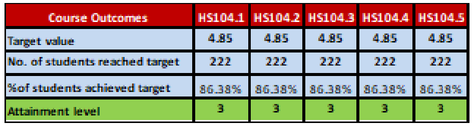
Basic Electrical Engineering



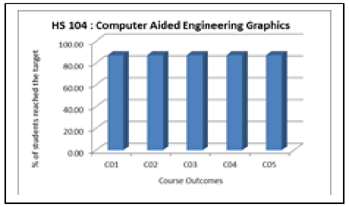
Course Outcomes	HS103.1	HS103.2	HS103.3	HS103.4	HS103.5
Target value	4.85	4.85	4.85	4.85	4.85
No. of students reached target	196	196	196	196	196
%of students achieved target	76.26%	76.26%	76.26%	76.26%	76.26%
Attainment level	3	3	3	3	3



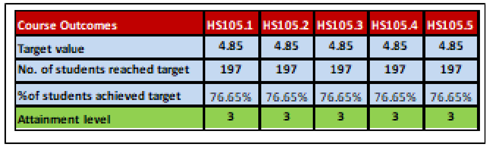
Computer Aided Engineering Graphics



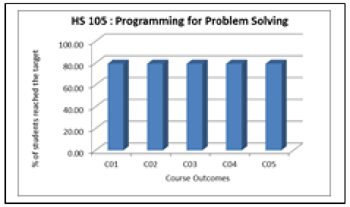
Course Outcomes	HS104.1	HS104.2	HS104.3	HS104.4	HS104.5
Target value	4.85	4.85	4.85	4.85	4.85
No. of students reached target	222	222	222	222	222
%of students achieved target	86.38%	86.38%	86.38%	86.38%	86.38%
Attainment level	3	3	3	3	3



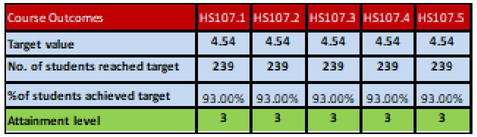
Programming for Problem Solving



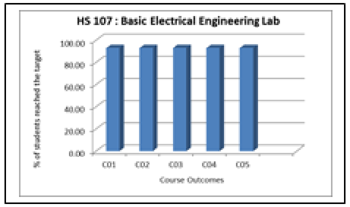
Course Outcomes	HS105.1	HS105.2	HS105.3	HS105.4	HS105.5
Target value	4.85	4.85	4.85	4.85	4.85
No. of students reached target	197	197	197	197	197
%of students achieved target	76.65%	76.65%	76.65%	76.65%	76.65%
Attainment level	3	3	3	3	3



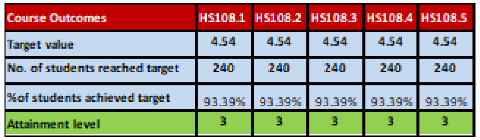
Basic Electrical Engineering Lab



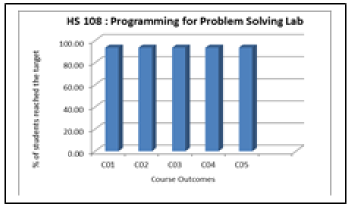
Course Outcomes	HS107.1	HS107.2	HS107.3	HS107.4	HS107.5
Target value	4.54	4.54	4.54	4.54	4.54
No. of students reached target	239	239	239	239	239
%of students achieved target	93.00%	93.00%	93.00%	93.00%	93.00%
Attainment level	3	3	3	3	3



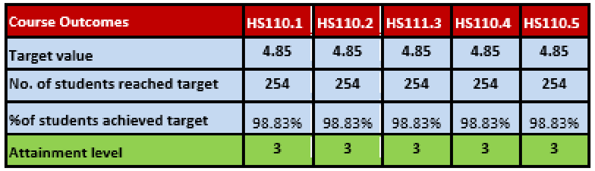
Programming for Problem Solving Lab



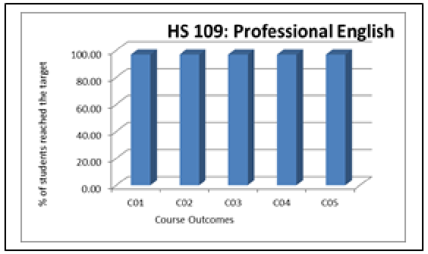
Course Outcomes	HS108.1	HS108.2	HS108.3	HS108.4	HS108.5
Target value	4.54	4.54	4.54	4.54	4.54
No. of students reached target	240	240	240	240	240
%of students achieved target	93.39%	93.39%	93.39%	93.39%	93.39%
Attainment level	3	3	3	3	3



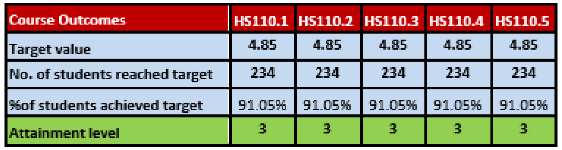
Professional English



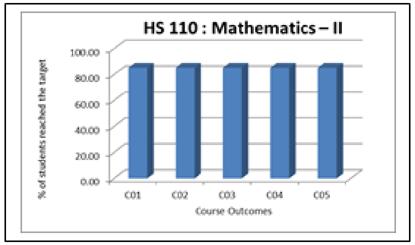
Course Outcomes	HS110.1	HS110.2	HS111.3	HS110.4	HS110.5
Target value	4.85	4.85	4.85	4.85	4.85
No. of students reached target	254	254	254	254	254
%of students achieved target	98.83%	98.83%	98.83%	98.83%	98.83%
Attainment level	3	3	3	3	3



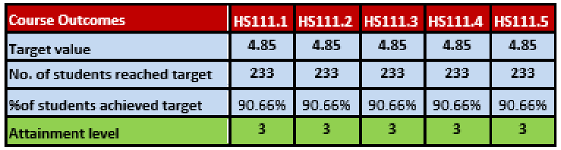
Mathematics-II



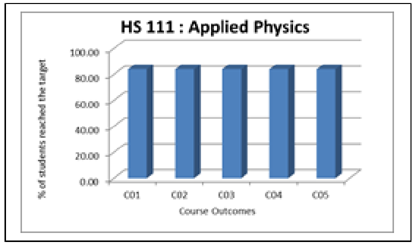
Course Outcomes	HS110.1	HS110.2	HS110.3	HS110.4	HS110.5
Target value	4.85	4.85	4.85	4.85	4.85
No. of students reached target	234	234	234	234	234
%of students achieved target	91.05%	91.05%	91.05%	91.05%	91.05%
Attainment level	3	3	3	3	3



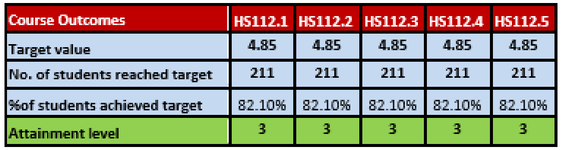
Applied Physics



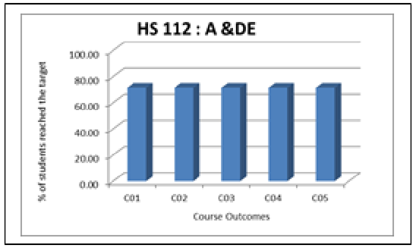
Course Outcomes	HS111.1	HS111.2	HS111.3	HS111.4	HS111.5
Target value	4.85	4.85	4.85	4.85	4.85
No. of students reached target	233	233	233	233	233
%of students achieved target	90.66%	90.66%	90.66%	90.66%	90.66%
Attainment level	3	3	3	3	3



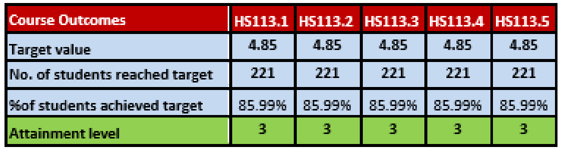
Analog and Digital Electronics



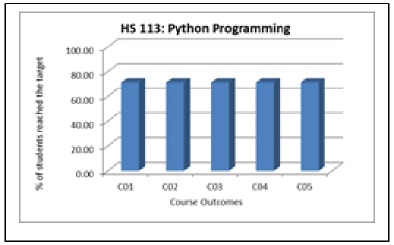
Course Outcomes	HS112.1	HS112.2	HS112.3	HS112.4	HS112.5
Target value	4.85	4.85	4.85	4.85	4.85
No. of students reached target	211	211	211	211	211
%of students achieved target	82.10%	82.10%	82.10%	82.10%	82.10%
Attainment level	3	3	3	3	3



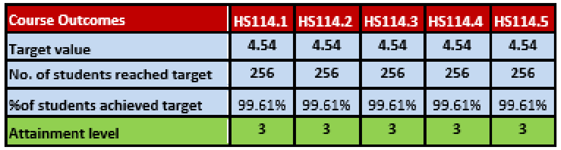
Python Programming



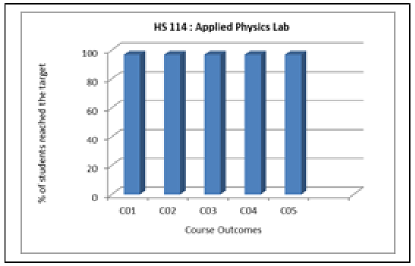
Course Outcomes	HS113.1	HS113.2	HS113.3	HS113.4	HS113.5
Target value	4.85	4.85	4.85	4.85	4.85
No. of students reached target	221	221	221	221	221
%of students achieved target	85.99%	85.99%	85.99%	85.99%	85.99%
Attainment level	3	3	3	3	3



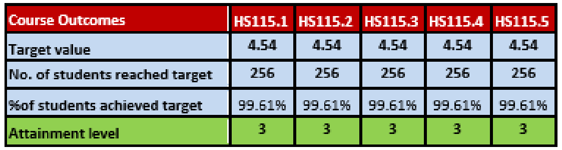
Applied Physics Lab



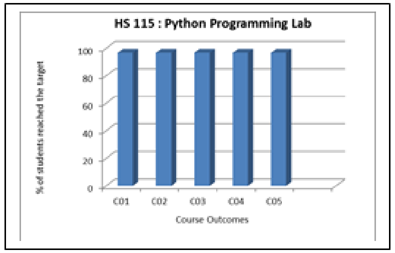
Course Outcomes	HS114.1	HS114.2	HS114.3	HS114.4	HS114.5
Target value	4.54	4.54	4.54	4.54	4.54
No. of students reached target	256	256	256	256	256
%of students achieved target	99.61%	99.61%	99.61%	99.61%	99.61%
Attainment level	3	3	3	3	3



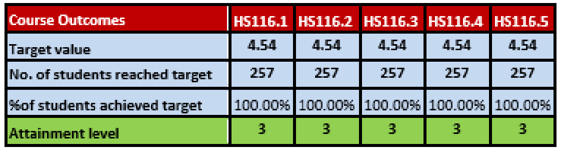
Python Programming Lab



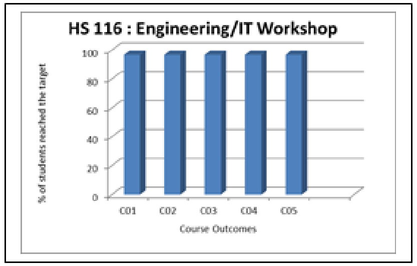
Course Outcomes	HS115.1	HS115.2	HS115.3	HS115.4	HS115.5
Target value	4.54	4.54	4.54	4.54	4.54
No. of students reached target	256	256	256	256	256
%of students achieved target	99.61%	99.61%	99.61%	99.61%	99.61%
Attainment level	3	3	3	3	3



Engineering/IT Workshop



Course Outcomes	HS116.1	HS116.2	HS116.3	HS116.4	HS116.5
Target value	4.54	4.54	4.54	4.54	4.54
No. of students reached target	257	257	257	257	257
%of students achieved target	100.00%	100.00%	100.00%	100.00%	100.00%
Attainment level	3	3	3	3	3



8.5 Attainment of Program Outcomes from first year courses (20) Total Marks 20.00

8.5.1 Indicate results of evaluation of each relevant PO and/or PSO if applicable (10)

Institute Marks : 10.00

POs Attainment:

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Englis	3	3	0	3	0	3	0	3	3	3	0	3
M-I	3	3	3	3	3	0	0	0	0	0	0	3
PEEE	3	3	3	3	3	3	3	3	3	3	3	3
CAEG	3	3	3	3	3	3	3	0	3	3	0	3
PPS	3	3	3	3	3	3	3	3	3	3	3	3
PROF.	3	3	0	3	0	0	0	3	3	3	0	3
M-II	3	3	3	3	3	3	0	0	0	0	3	3
EPHY	3	3	3	3	0	0	0	3	3	3	3	3
ECHE	3	3	3	3	0	3	3	3	3	3	0	3
PP	3	3	3	3	3	3	3	3	3	3	3	3
ELCS	3	3	3	3	0	0	3	0	3	3	3	3
PEEE	3	3	3	3	3	3	3	3	3	3	3	3
PPS L	3	3	3	3	3	3	3	3	3	3	0	0
PHYSI	3	0	0	3	3	3	0	3	3	3	0	0
PP LA	3	3	3	3	3	3	3	3	3	3	3	3
E &CH	3	3	0	3	3	3	3	3	3	3	3	3

PO Attainment Level

PSOs Attainment:

Course	PSO1	PSO2	PSO3
Englisl	2.8	2.6	0
M-I	3	2	0
PEEE	3	2.2	0
CAEG	3	2.2	0
PPS	3	3	2.8
PROF.	2.8	2.6	0
M-II	3	2	0
EPHY	2.2	3	0
ECHE	3	2	2
PP	3	3	2.8
ELCS I	2.8	2.6	0
PEEE	3	2.2	0
PPS L/	3	3	2.8
PHYSI	2.2	3	0
PP LAI	3	3	2.8
E &CH	2.8	2.6	0

PSO Attainment Level

Course	PO1	PO2	PO3
Direct Attainment	2.85	2.56	2.64
PSO Attainment	2.85	2.56	2.64

8.5.2 Actions taken based on the results of evaluation of relevant POs and PSOs (10)

Institute Marks : 10.00

POs Attainment Levels and Actions for Improvement- (2023-24)

POs	Target Level	Attainment Level	Observations
PO 1 : Engineering Knowledge			
PO 1	2.5	3	Target Level has been achieved
Action 1: The students are encouraged to participate in competitive events to expand their knowledge to apply their skills in complex engineering practice. Action 2: Conduct guest lectures from time to time to add value to existing professional knowledge			
PO 2 : Problem Analysis			
PO 2	2.5	3	Target Level has been achieved
Action 1: The problem- solving analytical skills are sharpened by solving wide range of problems of different authors not restricting to only the prescribed curriculum. Action 2: Seminars are organized that revolve round the problem analysis thereby making the students aware about various troubleshooters thus providing solutions to resolve them.			
PO 3 : Design/development of Solutions			
PO 3	2.5	3	Target Level has been achieved
Action 1: To develop different software and find their solutions exclusive guest lectures are organized to make the student improve the skill of developing and designing a tool concerned with engineering discipline. Action2: Workshops are conducted to give a live demonstration of designing and creation a tool that enables the student to work independently in any engineering set up.			
PO 4 : Conduct Investigations of Complex Problems			
PO 4	2.5	3	Target Level has been achieved
Action 1: The students are encouraged to perform a variety of experiments and investigate it with valid conclusions. Action2: The arena of research and investigation is widened by inviting industry experts to share their expertise to synthesize the information with conclusions.			
PO 5 : Modern Tool Usage			
PO 5	2.5	3	Target Level has been achieved
Action 1: The subject experts conduct workshops to teach the students the selection of tools based on technical criteria. Action2: The department took the students on fieldtrips to various engineering sites to perceive their understanding and application of every tool.			
PO 6 : The Engineer and Society			
PO 6	2.5	3	Target Level has been achieved
Action 1: The College encourages the students to participate in programs such as NSS, the Lion’s club, etc to enlarge their social outlook. Action2: The faculty along with the learners engages in community development activities to recognize that the protection of society is the highest priority.			
PO 7 : Environment and Sustainability			
PO 7	2.5	3	Target Level has been achieved
Action 1: Paper presentations and poster presentations were conducted to assist the students to learn about the interconnectedness of environmental and other systems of the world. Action2 To educate the students on sustainable practices, hands-on-learning and service to community and society are focused upon in their educational experience.			
PO 8 : Ethics			
PO 8	2.5	3	Target Level has been achieved
Action 1: Students are provided with a classroom session every week to develop the overall personality encouragement to professional ethics and active participation needed for a successful career. Action2: The college hosts ethical awareness training program is conducted to bring alertness on the same among the students.			

PO 9 : Individual and Team Work

PO 9	2.5	3	Target Level has been achieved
Action 1: To give a professional learning process, the department undertakes the evaluation of the presentations (along with PPT) which involves reports and data to substantiate the presentations. Action2: The department faculty focuses on conducting research activities which involve individual and team contribution to expose the students to work atmosphere.			

PO 10 : Communication

PO 10	2.5	3	Target Level has been achieved
Action 1: Oxford Achiever, English proficiency development software, is introduced to the students to enhance their communication skill set. Action 2: The students are shown the gap that lies between formal and informal language and to bridge that gap between the college and the company, the trainers undertake language training and soft skill training activities.			

PO 11 : Project Management and Finance

PO 11	2.5	3	Target Level has been achieved
Action 1: Real life situations are briefed out by industry experts from TCS to bring out the professional approach in training of the students. Action 1: Workshops are conducted to instruct the student about finance management since it is a major criterion when executing a technical project			

PO 12 : Life-long Learning

PO 12	2.5	3	Target Level has been achieved
Action 1: The department holds expert talks to make the students aware of new trends and requirements of the companies. Action 2: The students are motivated to attend the workshops and seminars to know the importance of updating their knowledge to move on in their life and to reach their long-term life goals.			

PSOs Attainment Levels and Actions for Improvement- (2023-24)

PSOs	Target Level	Attainment Level	Observations
PSO 1 : Fundamentals and critical knowledge of the Computer System: - Able to Understand the working principles of the computer System and its components, Apply the knowledge to build, asses, and analyze the software and hardware aspects of it			
PSO 1	2.5	2.85	Target Level has been achieved
1. Integrate Hardware Concepts: Enhance focus on hardware components and their interaction with software. 2. Hands-on Projects and Real-World Case Studies: Incorporate more lab projects in that emphasize hardware analysis, and use case studies in CS210 to demonstrate practical applications in system design.			
PSO 2 : The comprehensive and Applicative knowledge of Software Development: Comprehensive skills of Programming Languages, Software process models, methodologies, and able to plan, develop, test, analyze, and manage the software and hardware intensive systems in heterogeneous platforms individually or working in teams.			
PSO 2	2.5	2.56	Target Level has been achieved
1. Integrate Software Development Methodologies: Introduce Agile and Waterfall methodologies, linking mathematical concepts to software development practices. 2. Project-Based Learning and Tool Exposure: Implement software development projects and introduce tools like Git and IDEs to enhance practical experience in software development.			
PSO 3 : Applications of Computing Domain & Research: Able to use the professional, managerial, interdisciplinary skill set, and domain specific tools in development processes, identify the research gaps, and provide innovative solutions to them			
PSO 3	2.5	2.64	Target Level has been achieved
1. Research-Oriented Projects: Introduce research-based assignments and projects , where students apply computing principles to engineering or interdisciplinary challenges. 2. Interdisciplinary Collaboration and Industry Partnerships: Foster collaboration with other disciplines, and partner with industry experts to bring real-world research problems into the classroom.			

9 STUDENT SUPPORT SYSTEMS (50)

Total Marks 50.00

9.1 Mentoring system to help at individual level (5)

Total Marks 5.00

Institute Marks : 5.00

Mentoring system to help at individual level (5)

Counselling and mentoring include a wide range of abilities, methods, and strategies that are fundamentally intended to assist students in managing their problems, solving problems from the past, and working towards developmental objectives and future goals, such as enhancing performance and fulfilling personal and professional goals.

Mentoring System:

The procedure for mentoring and counselling is created

1. To aid students in overcoming emotional obstacles,
2. To help students better understand their own interests, skills, attitudes, and opportunities,
3. To develop a strategy (behavioural therapy) to address his challenges.
4. To help students with their career planning
5. To enhance teacher-student contact hours
6. To enhance students' academic performance and attendance
7. To minimize student drop-out rates

Functioning:

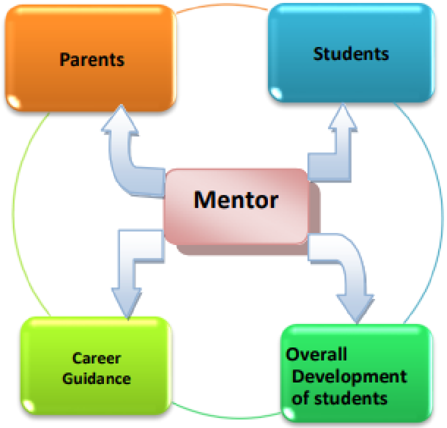
- The mentoring system supports the students overall, professional, career, and personal growth.
- An effective Student mentoring system (SMS) has already been implemented in the Department.
- A complete track of the student activities like Academic Curricular, Co-curricular Extra Curricular achievements, and the details of Parent Meetings are registered in the system. Any discrepancies in the student behavior like Attendance and backlogs, etc. will be questioned and will be counseled with care
- Each mentor is allocated with 20-25 students under the mentoring system and maintain their records in the mentoring book.
- The mentor pays attention to the academic and personal challenges faced by the mentee that affect their ability to learn.
- During mentoring sessions, students express their challenges related to academics, general facilities, or hostel services to their mentors.
- If the mentor, course coordinator, HOD identifies a student in need of professional counseling, the case is referred to the Professional Counseling agency via the Counseling & Mentoring Coordinator and the parents.

Mentoring at MRCET:

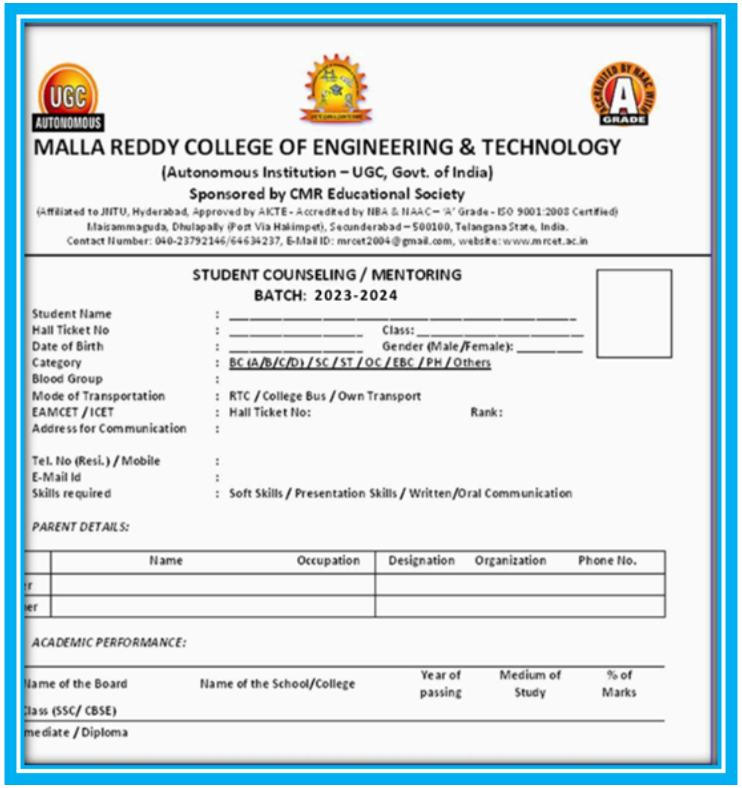
Mentoring system:	Yes, in place.
Type of mentoring:	One to one
Number of faculty members	:70
Number of students per mentor	:20- 25 students from each section
Frequency of meeting	: Schedule done in every 15 days and also need based

Types of mentoring:

S.NO	Type of Mentoring	Yes/No	Mentoring Measures
1	Academic Guidance	Yes	Analyze the Mid Internal Marks and Semester End Marks, Backlogs if any
2	Attendance Guidance	Yes	Monthly attendance percentage, Regularity to classes to improve academic performance
3	Career Advancement	Yes	Self-employment opportunities, Entrepreneurship development activities participated, higher studies plan, Internship opportunities availed, Placement status
4	Course Work Specific	Yes	Attending conferences, paper presentation, symposiums and Publishing articles in Newsletters
5	Total Development	Yes	Overall development of the students in NSS, RRC, and Blood donation camp, Tree plantation, Yoga and Meditation.



The Mentoring Format used in the college is shown below:



UGC AUTONOMOUS

MALLA REDDY COLLEGE OF ENGINEERING & TECHNOLOGY

(Autonomous Institution – UGC, Govt. of India)
Sponsored by CMR Educational Society
(Affiliated to JNTU, Hyderabad, Approved by AICTE - Accredited by NBA & NAAC – 'A' Grade - ISO 9001:2008 Certified)
Maisammaguda, Dhulapally (Post Via Hakimpet), Secunderabad – 500100, Telangana State, India.
Contact Number: 040-23792146/64634237, E-Mail ID: mrcet2004@gmail.com, website: www.mrcet.ac.in

STUDENT COUNSELING / MENTORING
BATCH: 2023-2024

Student Name : ______________________________
Hall Ticket No : ______________ Class: ______________
Date of Birth : ______________ Gender (Male/Female): ________
Category : BC (A/B/C/D) / SC / ST / OC / EBC / PH / Others
Blood Group :
Mode of Transportation : RTC / College Bus / Own Transport
EAMCET / ICET : Hall Ticket No: Rank:
Address for Communication :

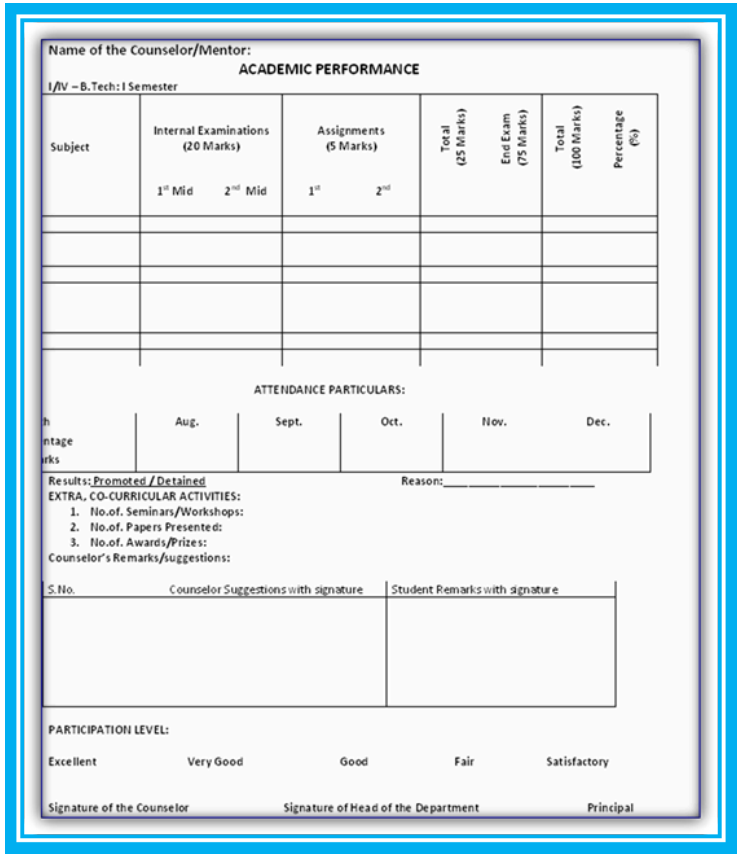
Tel. No (Resi.) / Mobile :
E-Mail Id :
Skills required : Soft Skills / Presentation Skills / Written/Oral Communication

PARENT DETAILS:

	Name	Occupation	Designation	Organization	Phone No.
r					
er					

ACADEMIC PERFORMANCE:

lame of the Board	Name of the School/College	Year of passing	Medium of Study	% of Marks
lass (SSC/ CBSE)				
mediate / Diploma				



Name of the Counselor/Mentor:

ACADEMIC PERFORMANCE

I/IV – B.Tech: I Semester

Subject	Internal Examinations (20 Marks)		Assignments (5 Marks)		Total (25 Marks)	End Exam (75 Marks)	Total (100 Marks)	Percentage (%)
	1st Mid	2nd Mid	1st	2nd				

ATTENDANCE PARTICULARS:

h ntage rks	Aug.	Sept.	Oct.	Nov.	Dec.

Results: Promoted / Detained Reason:____________________

EXTRA, CO-CURRICULAR ACTIVITIES:

1. No.of. Seminars/Workshops:
2. No.of. Papers Presented:
3. No.of. Awards/Prizes:

Counselor's Remarks/suggestions:

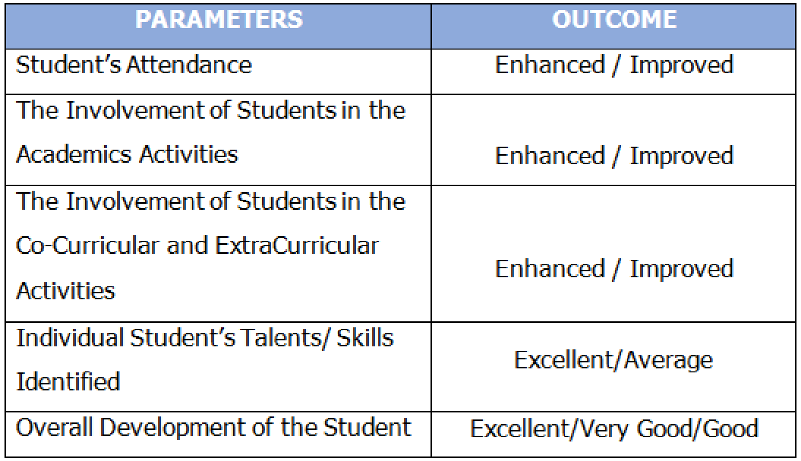
S.No.	Counselor Suggestions with signature	Student Remarks with signature

PARTICIPATION LEVEL:

Excellent Very Good Good Fair Satisfactory

Signature of the Counselor Signature of Head of the Department Principal

Efficacy of mentoring/counseling system:



PARAMETERS	OUTCOME
Student's Attendance	Enhanced / Improved
The Involvement of Students in the Academics Activities	Enhanced / Improved
The Involvement of Students in the Co-Curricular and ExtraCurricular Activities	Enhanced / Improved
Individual Student's Talents/ Skills Identified	Excellent/Average
Overall Development of the Student	Excellent/Very Good/Good

MENTOR LIST(2024-2025)

II YEAR **SECTION:A**

S.NO.	NAME OF FACULTY	PHONE NOS	ROLL NO.
1	D. RADHA	9959733372	23N31A0501-23N31A0523
2	M. SANDEEP	9585512744	23N31A0524-23N31A0547
3	KANDA CHANDUSHA	8885430148	23N31A0548-24N35A0506

SECTION:B

S.NO.	NAME OF FACULTY	PHONE NOS	ROLL NO.
1	G. RAVI	9390401050	23N31A05567-23N31A0590
2	AGNISHA MANDAVA	9531803232	23N31A0591-23N31A05B2
3	ABDUL SALEEML	7660000933	23N31A05B3-24N35A0512

SECTION:C

S.NO.	NAME OF FACULTY	PHONE NOS	ROLL NO.
1	SIVA KUMAR	9246747459	23N31A05D3-23N31A05F6
2	SRINIVAS PALAJEESAM	9912387878	23N31A05F7-23N31A05J7
3	T.SIVARATHNASAI	9948676961	23N31A05J8-24N35A0518

SECTION:D

S.NO.	NAME OF FACULTY	PHONE NOS	ROLL NO.
1	SANDEEP AGARWALL	9885574354	23N31A05K9-23N31A05N2
2	P DILEEP	9948582720	23N31A05N3-23N31A05Q6
3	PAVANI B	9966593576	23N31A05Q7-24N35A0524

SECTION:E

S.NO.	NAME OF FACULTY	PHONE NOS	ROLL NO.
1	B.ARUNA	8886733772	23N31A05AA-23N31A05AZ
2	B.SWAPNA LATHA	9585512744	23N31A05BB-23N31A05BZ
3	B. SREE SARANYA	8885430148	23N31A05CA-24N35A0529

SECTION:F

S.NO.	NAME OF FACULTY	PHONE NOS	ROLL NO.
1	M.VAZRALLU	8886733772	23N31A05CT-23N31A05DR
2	BALA VEERAVATNAM	9585512744	23N31A05DT-23N31A05ET
3	SHIVAGOUNI ARCHANA	8885430148	23N31A05EU-24N35A0535

SECTION:G

S.NO.	NAME OF FACULTY	PHONE NOS	ROLL NO.
1	P.HARIKRISHNA	8886733772	23N31A05T5-23N31A05V6
2	VAMSHI KRISHNA G	9585512744	23N31A05V7-23N31A05Y0
3	RAJESH CHAKKA	8885430148	23N31A05Y1-24N351A0544

MENTOR LIST(2024-2025)

III YEAR **SECTION:A**

S.NO.	NAME OF FACULTY	PHONE NOS	ROLL NO.
1	BHARATHI.N	9505051354	22N31A0501-22N31A0523
2	SHAIK RIYAZ	9703404156	22N31A0524-22N31A0545
3	VENKATA RAMANAMMA.T	9703100555	22N31A0546-23N51A0506

SECTION:B

S.NO.	NAME OF FACULTY	PHONE NOS	ROLL NO.
1	DR. THOTA SIVA RATNA SAI	9912225787	22N31A0567-22N31A0590
2	DR. AVH SAI PRASAD	9000896563	22N31A0591-22N31A05B2
3	D.CHANDRASEKHARREDDY	9490920500	22N31A05B3-23N35A0512

SECTION:C

S.NO.	NAME OF FACULTY	PHONE NOS	ROLL NO.
1	N. SIVA KUMAR	9959284574	22N31A05D3-22N31A05F8
2	DR. BALASANI VENKATA RAMUDU	9703722234	22N31A05F9-22N31A05J2
3	Dr. M. NARENDRA	9291447877	22N31A05J3-23N35A0518

SECTION:D

S.NO.	NAME OF FACULTY	PHONE NOS	ROLLNO.
1	DR. V.L. PADMALATHA	9573211473	22N31A05K9-22N31A05N2
2	DR. P.HARIKRISHNA	9703100555	22N31A05N3-22N31A05Q4
3	DR. P VINAY BHUSHAN	7842686700	22N31A05Q5-23N35A0524

MENTOR LIST(2024-2025)

IV YEAR **SECTION:A**

S.NO.	NAME OF FACULTY	PHONENOS	ROLLNO.
1	R.RADHA	9959733372	21N31A0501-21N31A0523
2	DR K.SRIKANTH	8142387992	21N31A0524-21N31A0545
3	J.MAHENDAR	9885412383	21N31A0546-22N35A0506

SECTION:B

S.NO.	NAME OF FACULTY	PHONENOS	ROLLNO.
1	M.SAMBASIVUDU	9912677339	21N31A0567-21N31A0590
2	M.GAYATRI	9293559948	21N31A0591-21N31A05B2
3	V.SUNEETHA	8125020036	21N31A05B3-22N35A0512

SECTION:C

S.NO.	NAME OF FACULTY	PHONENOS	ROLLNO.
1	G.RAVI	9000325230	21N31A05D3-21N31A05F8
2	M V KAMAL	7409262929	21N31A05F9-21N31A05J2
3	DR. LAKSHMAN AAREPU	9959967192	21N31A05J3-22N35A0518

SECTION:D

S.NO.	NAME OF FACULTY	PHONENOS	ROLLNO.
1	Dr P.HARIKRISHNA	9949691286	21N31A05K9-21N31A05N2
2	Dr. AVH SAI PRASAD	7780763341	21N31A05N3-21N31A05Q4
3	AGNISHA MANDAVA	9703722234	21N31A05Q5-22N35A0524

9.2 Feedback analysis and reward /corrective measures taken, if any (10) Total Marks 10.00

Institute Marks : 10.00

FEEDBACK COLLECTION PROCESS:

The feedback is taken from the students once in a semester for every class of II, III and IV Year

- At MRCET, Students Feedback on Faculty is taken during twice in every semester, about various aspects of the teaching learning process adopted by the faculty.
- The Feedback collection system is carried out via a confidential online portal CAMPX. Feedback mechanism is well organized system in the college for all courses. All the students are allowed to give feedback via online.
- The students can securely login to the feedback portal using their password. Feedbacks are taken for all theory, laboratories, and project work.
- The feedback is collected from the students by the Head of the Department.
- The feedbacks are analysed based on a set of questionnaires defined by the Institute.
- The evaluation is graded based on the scale of One to Five. Scale of feedback system is as follows: 1-Below Average, 2- Satisfactory, 3-Good, 4-Very Good,5-Excellent
- An average score percentage from total number of feedbacks given is assessed to analyze the feedback.
- All the faculty members are informed their feedback reports after completion of the analysis process by the Head of the Department.
- All the feedback reports are available with the concerned HOD in the portal in their respective logins. The consolidated reports across the departments are sent to Principal.

Feedback collection process

Title	Description
Feedback collection process	Online feedback from all students on respective courses
Process	Online on CAMPX
Frequency of feedback Collection	Twice in a semester
Metrics used for calculation	1-Below Average, 2- Satisfactory, 3-Good, 4-Very Good,5-Excellent

FEEDBACK ANALYSIS PROCESS

- Summary of the feedback reports pertaining to course, program and teaching learning is prepared, usually on the scale of 1 to 5.
- The minimum expected feedback for a faculty member from the students is 3.5 on 5-point scale rating system.
- The feedback is available with heads of the respective departments.
- Informal feedback is also taken directly by the heads from time to time during the ongoing semester.
- A special emphasis is paid on transparency and impact of the feedback system.

A broad range of parameters that are used for collecting the feedback data is as given below:

- Students Motivation
- Regularity/Punctuality
- Presentation Skills
- Assignment/Question Answer sessions
- Command over the class
- Lecture Material/Notes
- Subject Knowledge
- Overall Rating

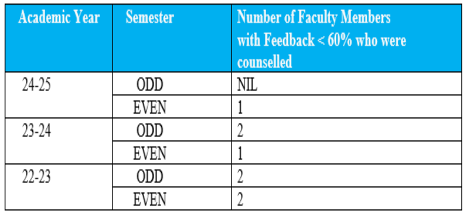
CORRECTIVE MEASURES:

Necessary corrective actions taken for the faculty members whose feedback score is less than the institution standard, are as given below.

Head of the Department chairing the senior faculty members advise the faculty member suitably with regard to

- Clarity in explanation, effective communication, syllabus coverage. Participating in Faculty Development Programs (FDPs), and will also be advised to take some training sessions if required
- Enhancing their academic skill set with the peer support within a stipulated time period. The performance is reviewed regularly. The committee gives suggestions, counselling, and support to the concerned faculty for teaching-learning performance improvement

Number of corrective actions taken



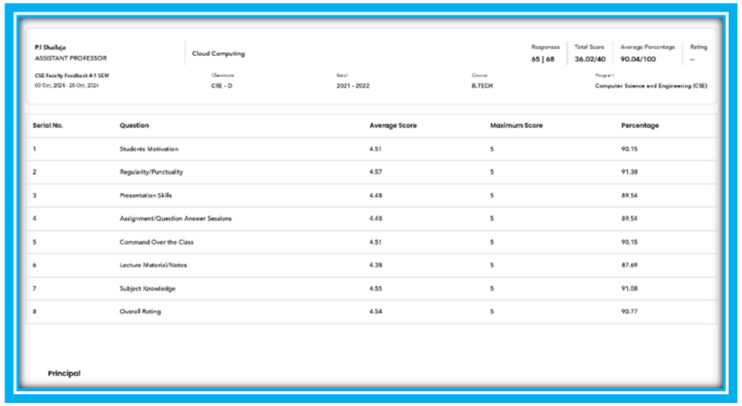
Academic Year	Semester	Number of Faculty Members with Feedback < 60% who were counselled
24-25	ODD	NIL
	EVEN	1
23-24	ODD	2
	EVEN	1
22-23	ODD	2
	EVEN	2

Basis of reward / corrective measures, if any: - Teachers are counselled by the Head of the Department based on the critical/negative feedback from the students. The important feedbacks related to the academic activity are discussed in the departmental meeting and appropriate suggestions are implemented. This normally results in the resolution of the problem .There is no system of awards.

The response for each question is on a scale of 1 to 5 with the following interpolation.

Rating	**Score**
Excellent	5
Very Good	4
Good	3
Satisfactory	2
BelowAverage	1

The Feedback template is as follows:



P.I Shailaja
ASSISTANT PROFESSOR

Cloud Computing

Responses	Total Score	Average Percentage	Rating
65 | 68	36.02/40	90.04/100	--

CSE Faculty Feedback 4-1 SEM
03 Oct, 2024 - 28 Oct, 2024

Classroom	Batch	Course	Program
CSE - D	2021 - 2022	B.TECH	Computer Science and Engineering (CSE)

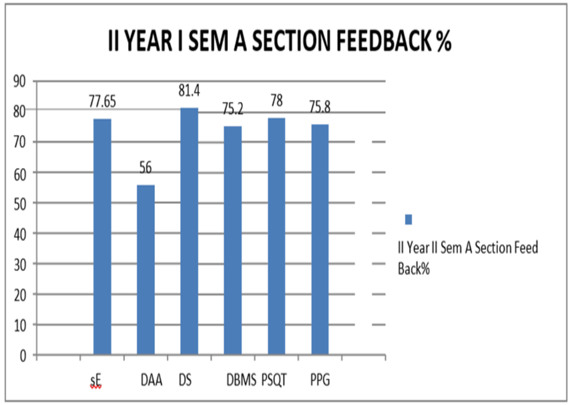
Serial No.	Question	Average Score	Maximum Score	Percentage
1	Students Motivation	4.51	5	90.15
2	Regularity/Punctuality	4.57	5	91.38
3	Presentation Skills	4.48	5	89.54
4	Assignment/Question Answer Sessions	4.48	5	89.54
5	Command Over the Class	4.51	5	90.15
6	Lecture Material/Notes	4.38	5	87.69
7	Subject Knowledge	4.55	5	91.08
8	Overall Rating	4.54	5	90.77

Principal

MALLA REDDY COLLEGE OF ENGINEERING & TECHNOLOGY
Maisammguda, Dhulapally Post, Secunderabad-500100.
DEPARTMENT OF COMPUTER SCIENCE OF ENGINEERING
IIYEAR B. TECH I SEMESTER FEEDBACK ANALYSISA.Y.2024-25

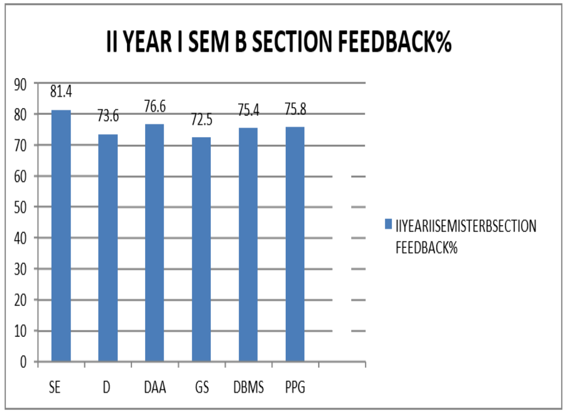
II YEAR A-SECTION FEEDBACK

S.NO	Subject	Name of the Faculty	Feedback obtained(%
1	SE	RADHA	77.65
2	DAA	HONEY DIANA	56
3	DS	Dr. N. SATISH	81.4
4	DBMS	SHARANYA	75.2
5	PSQT	ANITHA KUMARI	78
6	PPG	SANDILYA	75.8



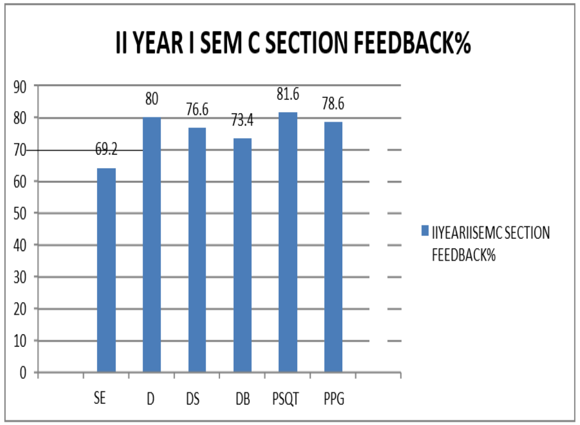
II YEAR B – SECTION FEEDBACK

S.NO	Subject	Name of the Faculty	Feedback obtained(%
1	SE	PADMAJA	81.4
2	DAA	MANOJ KUMAR	73.6
3	DS	Dr. N. SATHEESH	76.6
4	DBMS	Dr. G. RAVI	72.5
5	PSQT	Dr. LEKHA	75.4
6	PPG	SANDILYA	75.8



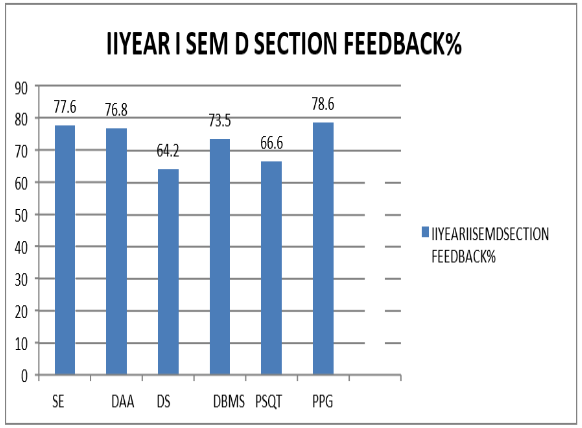
II YEAR C – SECTION FEEDBACK

S.NO	Subject	Name of the Faculty	Feedback obtained(%
1	SE	Dr. S. RAHMAT BASHA	69.2
2	DAA	HONEY DIANA	80
3	DS	P.HIMA KIRAN	76.6
4	DBMS	G.MANOJ KUMAR	73.4
5	PSQT	T.ANITHA KUMARI	81.6
6	PPG	G.SUBBA REDDY	78.6



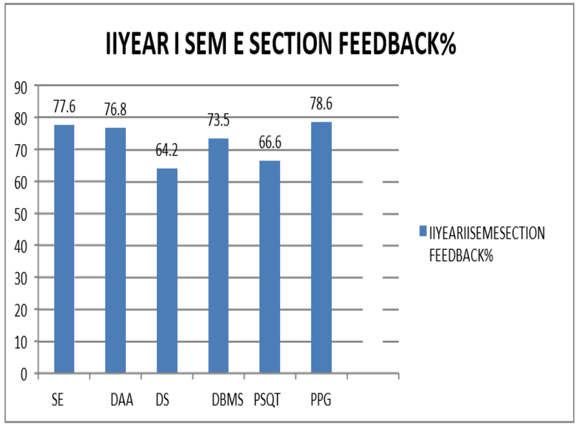
II YEAR D – SECTION FEEDBACK

S.NO	Subject	Name of the Faculty	Feedback obtained(%
1	SE	M SANDEEP	77.6
2	DAA	A.SANDEEP	76.8
3	DS	CH.RAJESH	64.2
4	DBMS	T.V.RAMANAMMA	73.5
5	PSQT	Dr. S. LEKHA	66.6
6	PPG	G.SUBBA REDDY	78.6



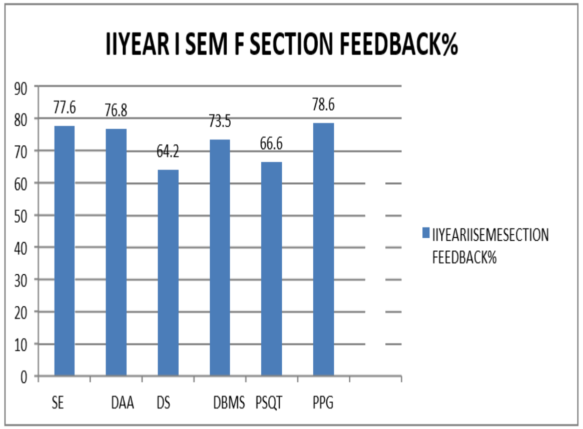
II YEAR E – SECTION FEEDBACK

S.NO	Subject	Name of the Faculty	Feedback obtained(%
1	SE	B.ARUNA	77.6
2	DAA	P.SWETHA	76.8
3	DS	M.VAZRALU	64.2
4	DBMS	PRAMEELA	73.5
5	PSQT	REKHA	66.6
6	PPG	SUDHEER	78.6



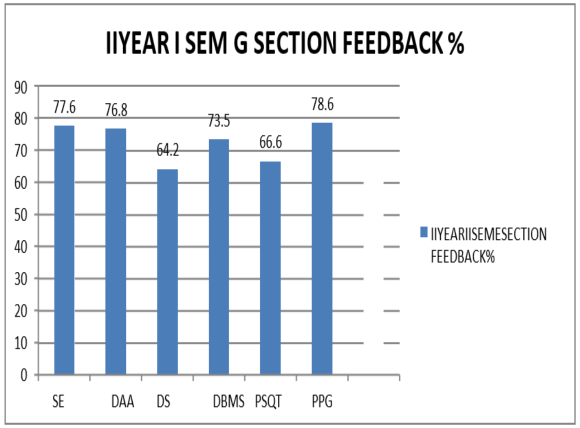
II YEAR F – SECTION FEEDBACK

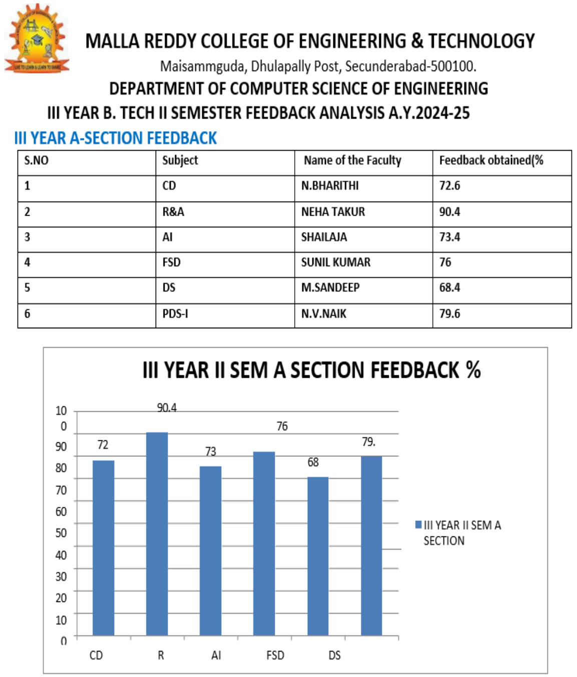
S.NO	Subject	Name of the Faculty	Feedback obtained(%
1	SE	V.SUNEETHA	78
2	DAA	PV.NARESH	79
3	DS	JAYASREE	82
4	DBMS	S.SHEKAR	85
5	PSQT	RAJESHWAR REDDY	72.6
6	PPG	SUDHEER	78.6



II YEAR G – SECTION FEEDBACK

S.NO	Subject	Name of the Faculty	Feedback obtained(%
1	SE	ABDUL.SALEEM	77.6
2	DAA	RIAYZ	76.8
3	DS	Dr. K. SURESH	64.2
4	DBMS	Dr. NAGARAJU	73.5
5	PSQT	HARIKA	66.6
6	PPG	G.ARCHANA	78.6





MALLA REDDY COLLEGE OF ENGINEERING & TECHNOLOGY

Maisammguda, Dhulapally Post, Secunderabad-500100.

DEPARTMENT OF COMPUTER SCIENCE OF ENGINEERING

III YEAR B. TECH II SEMESTER FEEDBACK ANALYSIS A.Y.2024-25

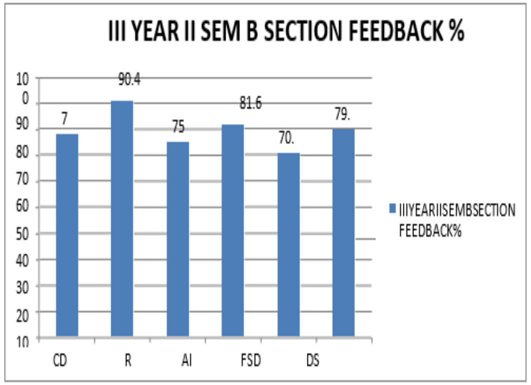
III YEAR A-SECTION FEEDBACK

S.NO	Subject	Name of the Faculty	Feedback obtained(%
1	CD	N.BHARITHI	72.6
2	R&A	NEHA TAKUR	90.4
3	AI	SHAILAJA	73.4
4	FSD	SUNIL KUMAR	76
5	DS	M.SANDEEP	68.4
6	PDS-I	N.V.NAIK	79.6

III YEAR II SEM A SECTION FEEDBACK %
10
0
90
80
70
60
50
40
30
20
10
0
72
90.4
73
76
68
79.
CD
R
AI
FSD
DS
III YEAR II SEM A SECTION

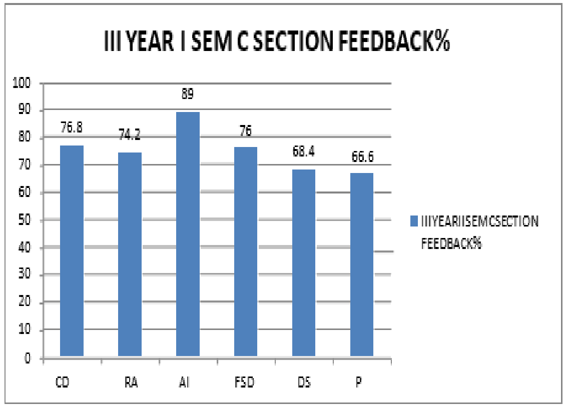
III YEAR B- SECTION FEEDBACK

S.NO	Subject	Name of the Faculty	Feedback obtained(%
1	CD	Dr. S. SHANTHI	78
2	R&A	NEHA TAKUR	90.4
3	AI	P.DASTAGIRI REDDY	75
4	FSD	SUNIL	81.6
5	DS	CH RAJESH	70.6
6	PDS-I	K.VENU GOPAL	79.6



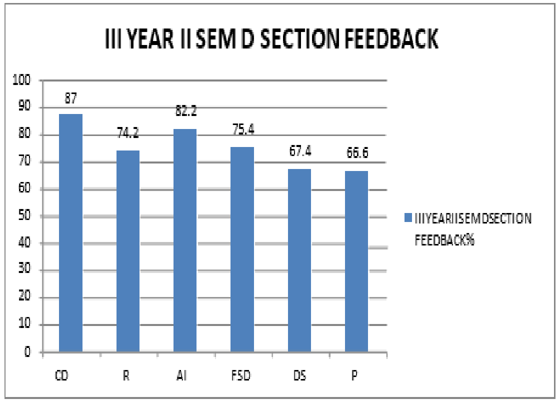
III YEAR C- SECTION FEEDBACK

S.NO	Subject	Name of the Faculty	Feedback obtained(%
1	CD	CHANDUSHA	76.8
2	R&A	HINDOLE BHATTACHARYA	74.2
3	AI	R SUJATHA	89
4	FSD	SAI.ESWARI	76
5	DS	N.SHIVA KUMAR	68.4
6	PDS-I	SATHYAVANI	66.6



III YEAR D –SECTION FEEDBACK

S.NO	Subject	Name of the Faculty	Feedback obtained(%
1	CD	V.SHILPA	87
2	R&A	HINDOLE BHATTACHARYA	74.2
3	AI	Dr M.SAMBASIVUDU	82.2
4	FSD	SAI.ESWARI	75.4
5	DS	M.AGNISHA	67.4
6	PDS-I	K.VENU GOPAL	66.6

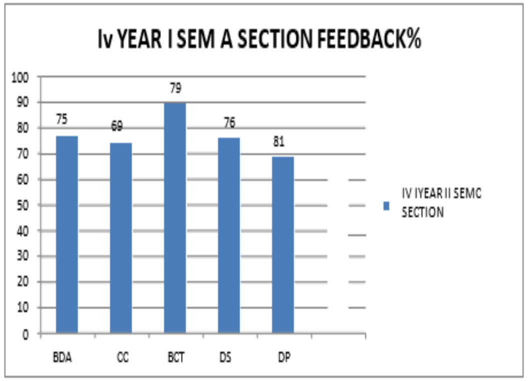


MALLA REDDY COLLEGE OF ENGINEERING & TECHNOLOGY
Maisammguda, Dhulapally Post, Secunderabad-500100.
DEPARTMENT OF COMPUTER SCIENCE OF ENGINEERING

IV YEAR B. TECH II SEMESTER FEEDBACK ANALYSIS A.Y.2024-25

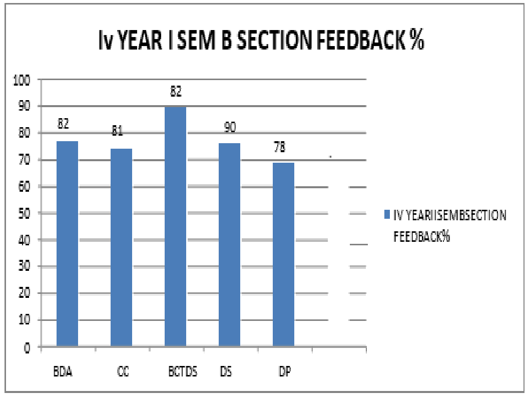
III YEAR A- SECTION FEEDBACK

S.NO	Subject	Name of the Faculty	Feedback obtained(%
1	BDA	Dr. S. RAHMAT BASHA	75
2	CC	G RAVI	69
3	BCT	T.V RAMANAMMA	79
4	DS	D.RADHA	81
5	DP	VIGNESHWAR RAO	78



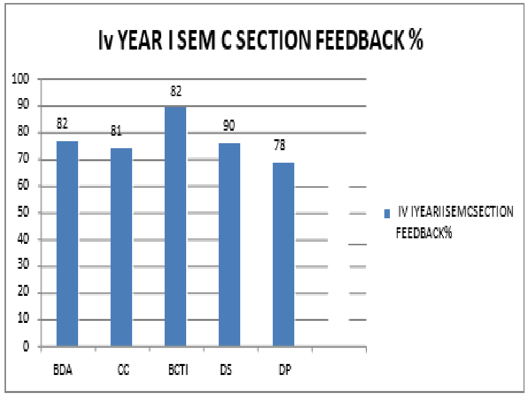
IV YEAR B-SECTION FEEDBACK

S.NO	Subject	Name of the Faculty	Feedback obtained(%
1	BDA	S.ARCHANA	82
2	CC	N.SHIVA KUMAR	81
3	BCT	A.SANDEEP	82
4	DS	P.HIMA KIRAN	90
5	DP	K.CHANDUSHA	78



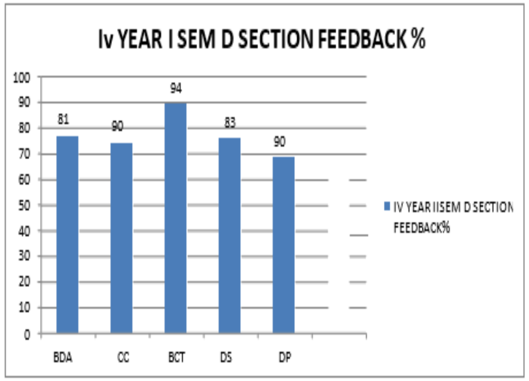
IV YEAR C-SECTION FEEDBACK

S.NO	Subject	Name of the Faculty	Feedback obtained(%
1	BDA	Dr. S. RAHMAT BASHA	82
2	CC	N.BHARATHI	81
3	BCT	C.S.N DURGA	82
4	DS	V.SHILPA	90
5	DP	R.SUJATHA	78



IV YEAR D-SECTION FEEDBACK

S.NO	Subject	Name of the Faculty	Feedback obtained(%
1	BDA	P.DASTAGIRI REDDY	81
2	CC	SHAILAJA	90
3	BCT	Dr. M. SAMBASIVUDU	94
4	DS	M.AGNISHA	83
5	DP	T.PADMAJA	90



9.3 Feedback on facilities (5)

Total Marks 5.00

Institute Marks : 5.00

FEEDBACK ON FACILTIES:

Different facilities are provided to the students to enhance their overall development. A few of them are cultural, sports, and technical events consisting of workshops, seminars, etc. Very good infrastructure facilities are also provided to the students. Every year at the end of the second semester, i.e. in the months of March and April, one feedback form is delivered to the students, and the students fill it out. The feedback form questions are structured in such a way that the institute can receive clear feedback on how to enhance the facilities. Corrective actions are being made to ensure that students have adequate facilities for the coming academic year.

The monitoring of usefulness and functioning of such facilities is done through students' feedback. Process for feedback on infrastructure and facilities is mainly consisting of three phases:

- Feedback collection
- Feedback Analysis
- Corrective measures/action taken

Overall process of feedback on facilities is as mentioned below;

I. Feedback collection process:

● Feedback is collected from the students on the facilities available in the Institute such as class room infrastructure, library, labs, canteen, playground, internet facility, etc.

●The course feedback mechanism also contains a comments section to give feedback on facilities.

● The tools for collecting feedback on facilities are enlisted below;

a. Hard Copy

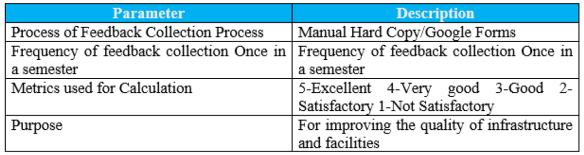
b. Google form

c. Mentoring system

d. Suggestion box

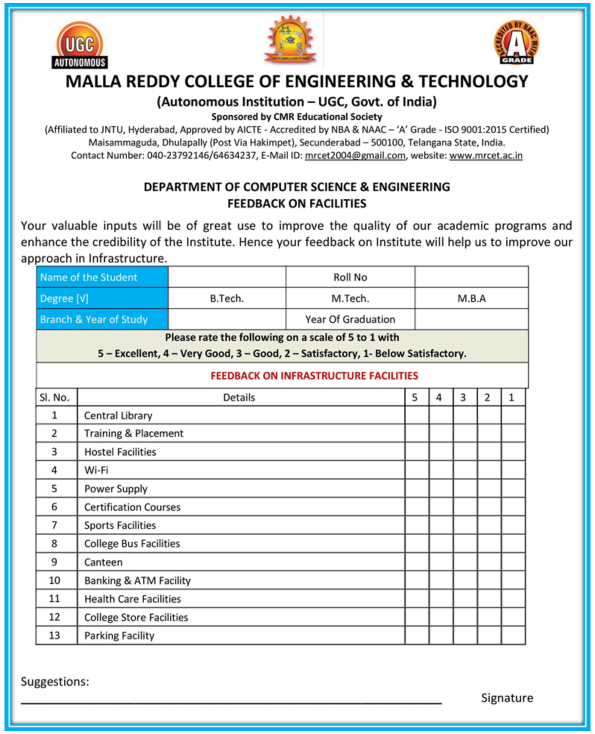
e. Student representatives in the class committee meeting.

● Feedback comments received through above mechanisms on different facilities are collected programme-wise for further analysis.



Parameter	Description
Process of Feedback Collection Process	Manual Hard Copy/Google Forms
Frequency of feedback collection Once in a semester	Frequency of feedback collection Once in a semester
Metrics used for Calculation	5-Excellent 4-Very good 3-Good 2-Satisfactory 1-Not Satisfactory
Purpose	For improving the quality of infrastructure and facilities

Following template is used for student feedback on facilities in Google form;



MALLA REDDY COLLEGE OF ENGINEERING & TECHNOLOGY
(Autonomous Institution – UGC, Govt. of India)
Sponsored by CMR Educational Society
(Affiliated to JNTU, Hyderabad, Approved by AICTE - Accredited by NBA & NAAC – 'A' Grade - ISO 9001:2015 Certified)
Maisammaguda, Dhulapally (Post Via Hakimpet), Secunderabad – 500100, Telangana State, India.
Contact Number: 040-23792146/64634237, E-Mail ID: mrcet2004@gmail.com, website: www.mrcet.ac.in

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
FEEDBACK ON FACILITIES

Your valuable inputs will be of great use to improve the quality of our academic programs and enhance the credibility of the Institute. Hence your feedback on Institute will help us to improve our approach in Infrastructure.

Name of the Student		Roll No	
Degree [√]	B.Tech.	M.Tech.	M.B.A
Branch & Year of Study		Year Of Graduation	

Please rate the following on a scale of 5 to 1 with
5 – Excellent, 4 – Very Good, 3 – Good, 2 – Satisfactory, 1- Below Satisfactory.

FEEDBACK ON INFRASTRUCTURE FACILITIES

Sl. No.	Details	5	4	3	2	1
1	Central Library					
2	Training & Placement					
3	Hostel Facilities					
4	Wi-Fi					
5	Power Supply					
6	Certification Courses					
7	Sports Facilities					
8	College Bus Facilities					
9	Canteen					
10	Banking & ATM Facility					
11	Health Care Facilities					
12	College Store Facilities					
13	Parking Facility					

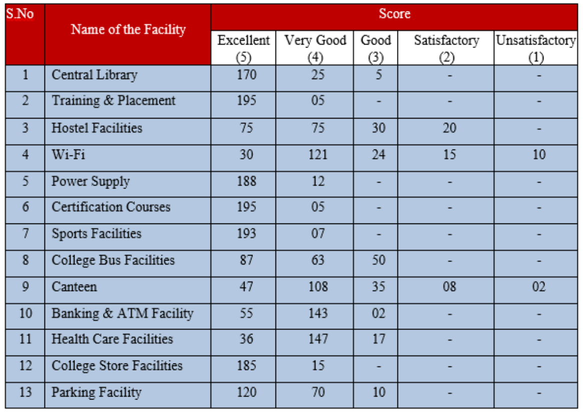
Suggestions:
____

Signature

II Feedback Analysis:

- Feedback received through Hard Copy/Google forms/exit survey forms /alumni forms/mentoring system is analyzed by departmental feedback in-charge and mentor in-charge and communicated to the HoD.
- Department level issues are solved by HoD and Institute level issues are discussed with the Principal by HoD through academic review meetings
- Overall feedback about Institute facilities is also collected through students' representatives in CR meetings and suggestions received through the suggestion box. Principal will initiate necessary actions based on feedback received.

The feedback is taken from 200 students on the facilities provided in the college and the consolidated results are given below



S.No	Name of the Facility	Score				
		Excellent (5)	Very Good (4)	Good (3)	Satisfactory (2)	Unsatisfactory (1)
1	Central Library	170	25	5	-	-
2	Training & Placement	195	05	-	-	-
3	Hostel Facilities	75	75	30	20	-
4	Wi-Fi	30	121	24	15	10
5	Power Supply	188	12	-	-	-
6	Certification Courses	195	05	-	-	-
7	Sports Facilities	193	07	-	-	-
8	College Bus Facilities	87	63	50	-	-
9	Canteen	47	108	35	08	02
10	Banking & ATM Facility	55	143	02	-	-
11	Health Care Facilities	36	147	17	-	-
12	College Store Facilities	185	15	-	-	-
13	Parking Facility	120	70	10	-	-

III. Corrective Measures:

- Principal reviews the feedback and on consideration initiates the necessary action.
- For example, there was a comment on dining space being inadequate in the canteen, upon which, additional space was made available for students.
- Also, issues related to parking space for students were resolved, acting on the suggestions received in feedback.
- Based on this feedback on facilities, the internet bandwidth is increased to 1Gbps in the year 2021 and the interruption problem has been discussed with the server provider and resolved.
- The institution has purchased its own ambulance service to enable prompt medical assistance in emergency situations.

9.4 Self-Learning (5) Total Marks 5.00

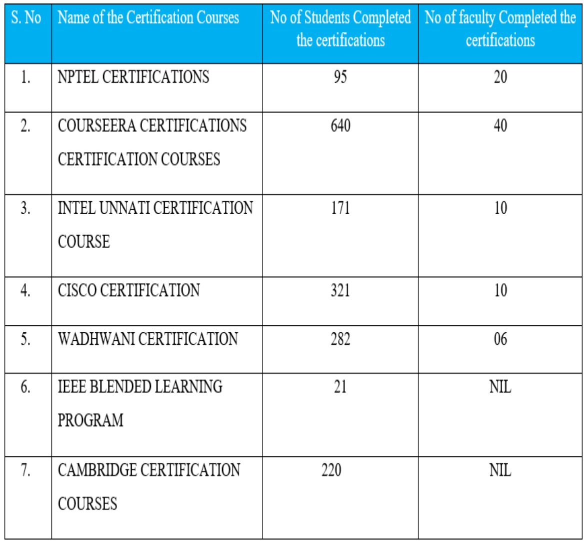
Institute Marks : 5.00

SELF LEARNING:

The self-learning mode helps the students in developing lifelong self learning habits, which is invaluable for the progress in the career of every professional.

I. Scope of Self Learning:

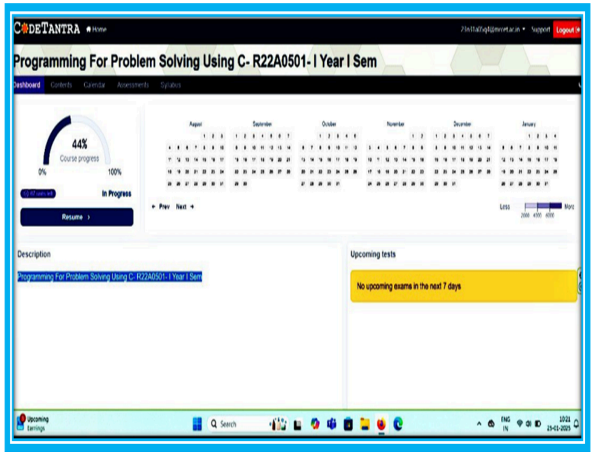
- **Web based learning** (Learning a course online or partially online through MOOCs(NPTEL/SWAYAM, Courseera, Sololearn, Udemy) Webinars, YouTube, spoken tutorials etc



S. No	Name of the Certification Courses	No of Students Completed the certifications	No of faculty Completed the certifications
1.	NPTEL CERTIFICATIONS	95	20
2.	COURSEERA CERTIFICATIONS CERTIFICATION COURSES	640	40
3.	INTEL UNNATI CERTIFICATION COURSE	171	10
4.	CISCO CERTIFICATION	321	10
5.	WADHWANI CERTIFICATION	282	06
6.	IEEE BLENDED LEARNING PROGRAM	21	NIL
7.	CAMBRIDGE CERTIFICATION COURSES	220	NIL

CODE TANTRA Software for Coding:

CodeTantras purpose is to help students develop the skills they need to succeed in the tech industry. Provides interactive teaching and learning platforms for colleges and universities



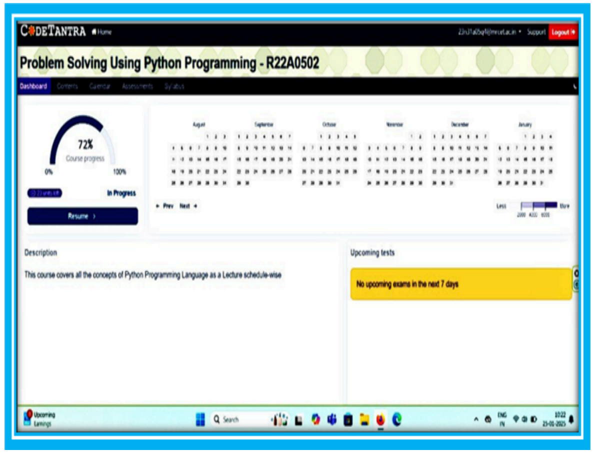
Programming For Problem Solving Using C- R22A0501- I Year I Sem

Description

Programming For Problem Solving Using C- R22A0501- I Year I Sem

Upcoming tests

No upcoming exams in the next 7 days



Problem Solving Using Python Programming - R22A0502

Description

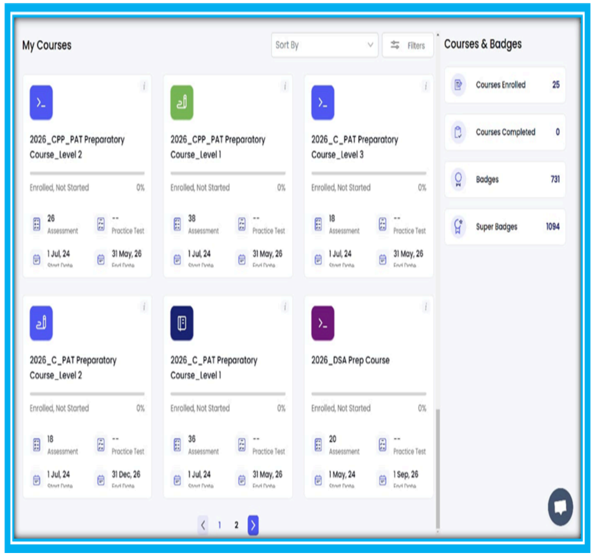
This course covers all the concepts of Python Programming Language as a Lecture schedule-wise

Upcoming tests

No upcoming exams in the next 7 days

NEOPAT SOFTWARE:

NEOPAT is a digital platform that helps colleges and universities prepare students for placement. It provides tools for assessment and training to help students become more competitive for jobs.



2026_CPP_PAT Preparatory Course_Level 2
Enrolled, Not Started 0%
26 Assessment
-- Practice Test
1 Jul, 24 Start Date
31 May, 26 End Date

2026_CPP_PAT Preparatory Course_Level 1
Enrolled, Not Started 0%
38 Assessment
-- Practice Test
1 Jul, 24 Start Date
31 May, 26 End Date

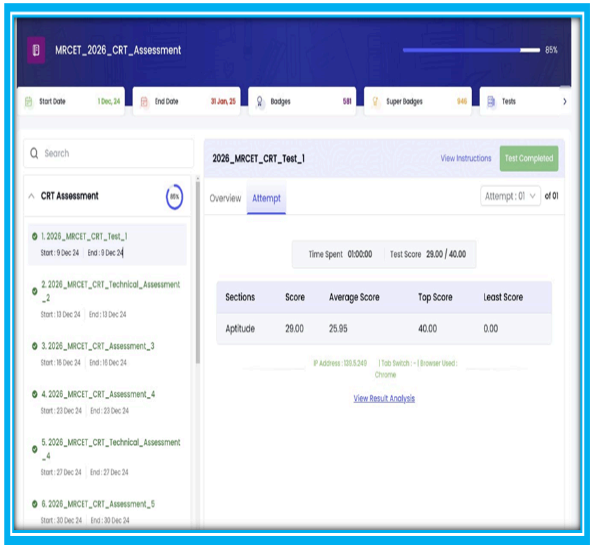
2026_C_PAT Preparatory Course_Level 3
Enrolled, Not Started 0%
18 Assessment
-- Practice Test
1 Jul, 24 Start Date
31 May, 26 End Date

2026_C_PAT Preparatory Course_Level 2
Enrolled, Not Started 0%
18 Assessment
-- Practice Test
1 Jul, 24 Start Date
31 Dec, 26 End Date

2026_C_PAT Preparatory Course_Level 1
Enrolled, Not Started 0%
36 Assessment
-- Practice Test
1 Jul, 24 Start Date
31 May, 26 End Date

2026_DSA Prep Course
Enrolled, Not Started 0%
20 Assessment
-- Practice Test
1 May, 24 Start Date
1 Sep, 26 End Date

Courses Enrolled	25
Courses Completed	0
Badges	731
Super Badges	1094



MRCET_2026_CRT_Assessment 85%

Start Date 1 Dec, 24
End Date 31 Jan, 25
Badges 581
Super Badges 946

CRT Assessment 85%

1. 2026_MRCET_CRT_Test_1
Start : 9 Dec 24 | End : 9 Dec 24

2. 2026_MRCET_CRT_Technical_Assessment_2
Start : 13 Dec 24 | End : 13 Dec 24

3. 2026_MRCET_CRT_Assessment_3
Start : 16 Dec 24 | End : 16 Dec 24

4. 2026_MRCET_CRT_Assessment_4
Start : 23 Dec 24 | End : 23 Dec 24

5. 2026_MRCET_CRT_Technical_Assessment_4
Start : 27 Dec 24 | End : 27 Dec 24

6. 2026_MRCET_CRT_Assessment_5
Start : 30 Dec 24 | End : 30 Dec 24

2026_MRCET_CRT_Test_1

Attempt : 01 of 01

Time Spent 01:00:00 | Test Score 29.00 / 40.00

Sections	Score	Average Score	Top Score	Least Score
Aptitude	29.00	25.95	40.00	0.00

IP Address : 139.5.249 | Tab Switch : - | Browser Used : Chrome

TECHNICAL SYMPOSIUMS

Organizing annual events like **ESPIRITO** and various contests.

Organizing various events like poster presentation, Technical Quiz, Project Expo, debate, awareness, etc.

Motivating students to participate in inter- college events for paper presentation and project exhibitions.

CLUB ACTIVITIES

Different clubs such as Coding Club, Music Club-**SYMPHONY**, Literary Club-**WORDSMITH**,NSS, NCC etc. are available where students organize different events through which students get a platform to explore their skills.

LABORATORIES

Students are allowed to use Labs as per requirement for projects, seminar, PBL, etc for activities like SIH etc.

SNAP TALK

Faculty members conduct a 5 minutes snap talk in the middle of their lecture hour and review it to help students understand where they stand. Snap talk is a technique that helps the students to improve their English communication and to overcome stage fear.

SEMINAR BY STUDENTS ON INNOVATIVE TOPICS

Students give extramural lecture once in a week on any innovative topic of their own interest in front of all students to demonstrate their communication and presentation skills. Students who presents extramural lecture are appreciated and motivated.

PARTICIPATION IN NATIONAL AND INTERNATIONAL CONFERENCES:

Under the guidance of Faculty members students are motivated to present project papers in National/ International conferences organized by premier institutions.

CENTRAL LIBRARY AND DIGITAL LIBRARY:

The students can avail e-learning facilities in their respective laboratories/central library. College library equips students with learning skills and develop their knowledge.

The Digital Library offers,

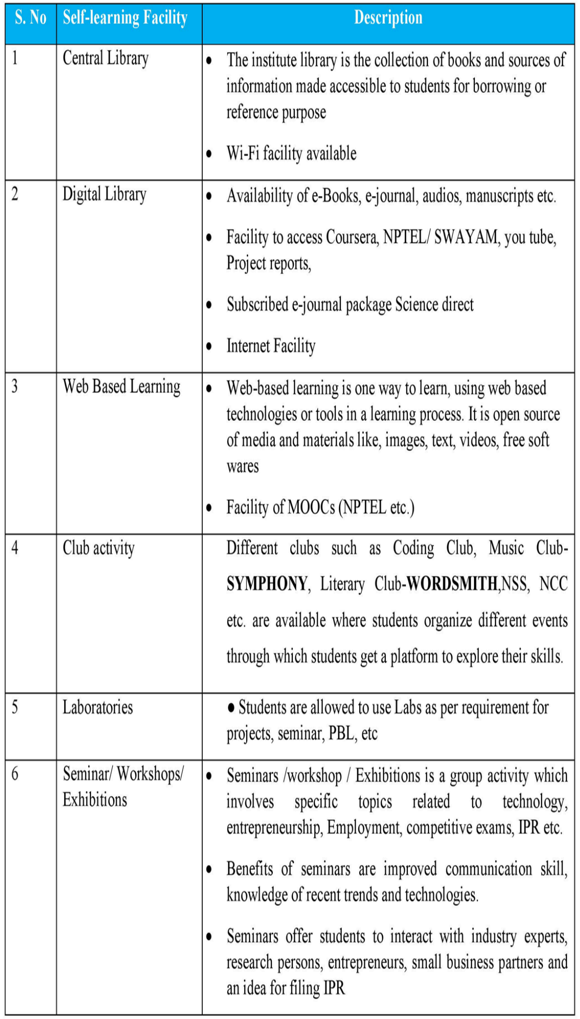
- NPTEL videos.
- Sufficient systems with multimedia facilities.
- Institutional membership of DELNET, a library networking database.
- Availability of e-Books, e-journal, audios, manuscripts etc.
- Subscribed e-journal package
- Internet facility.

EXTENDED TIMINGS:

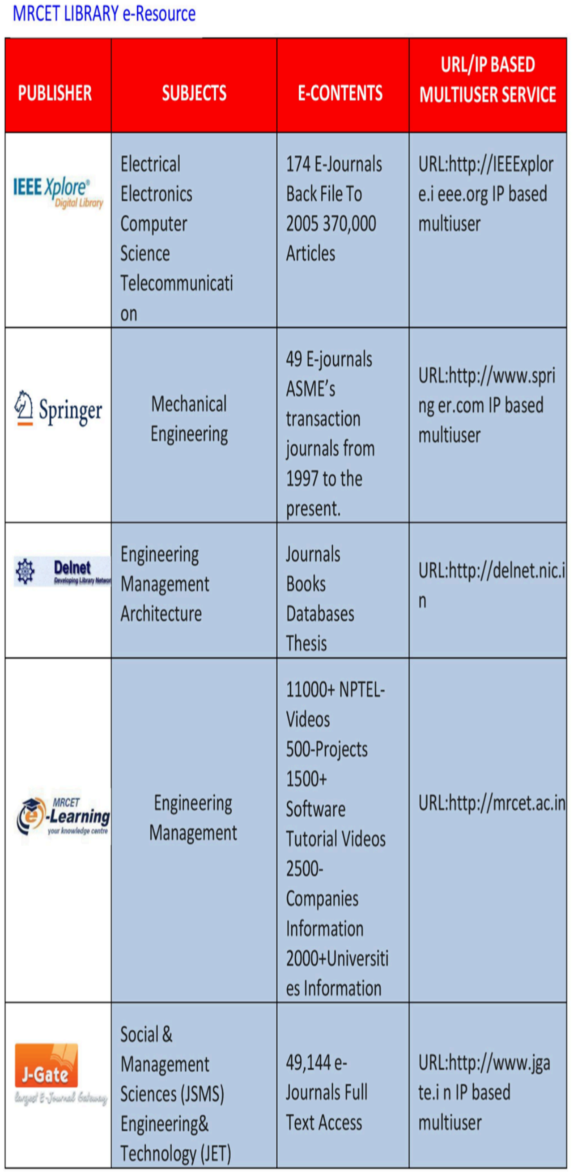
Laboratories and Library are opened beyond the college timings to facilitate the students in their self-learning.

II. SELF LEARNING FACILTIES AVAILABLE IN THE INSTITUTE:

Table B 9.4.a: List of Facility / activity Available in Institute

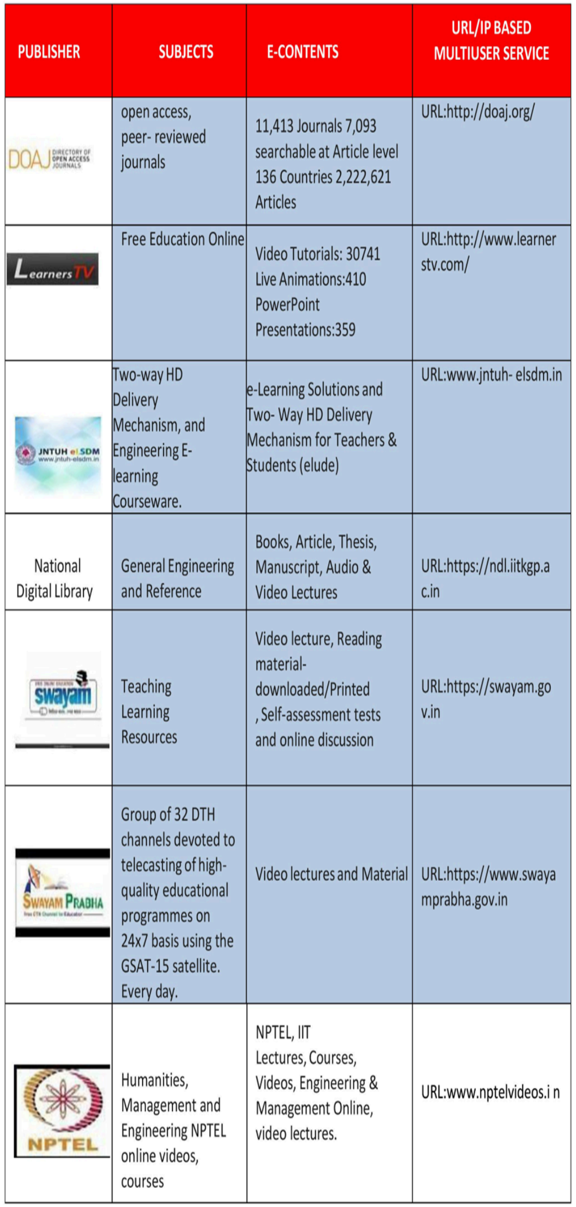


S. No	Self-learning Facility	Description
1	Central Library	• The institute library is the collection of books and sources of information made accessible to students for borrowing or reference purpose • Wi-Fi facility available
2	Digital Library	• Availability of e-Books, e-journal, audios, manuscripts etc. • Facility to access Coursera, NPTEL/ SWAYAM, you tube, Project reports, • Subscribed e-journal package Science direct • Internet Facility
3	Web Based Learning	• Web-based learning is one way to learn, using web based technologies or tools in a learning process. It is open source of media and materials like, images, text, videos, free soft wares • Facility of MOOCs (NPTEL etc.)
4	Club activity	Different clubs such as Coding Club, Music Club-**SYMPHONY**, Literary Club-**WORDSMITH**,NSS, NCC etc. are available where students organize different events through which students get a platform to explore their skills.
5	Laboratories	● Students are allowed to use Labs as per requirement for projects, seminar, PBL, etc
6	Seminar/ Workshops/ Exhibitions	• Seminars /workshop / Exhibitions is a group activity which involves specific topics related to technology, entrepreneurship, Employment, competitive exams, IPR etc. • Benefits of seminars are improved communication skill, knowledge of recent trends and technologies. • Seminars offer students to interact with industry experts, research persons, entrepreneurs, small business partners and an idea for filing IPR



MRCET LIBRARY e-Resource

PUBLISHER	SUBJECTS	E-CONTENTS	URL/IP BASED MULTIUSER SERVICE
IEEE Xplore® Digital Library	Electrical Electronics Computer Science Telecommunication	174 E-Journals Back File To 2005 370,000 Articles	URL:http://IEEExplore.i eee.org IP based multiuser
Springer	Mechanical Engineering	49 E-journals ASME's transaction journals from 1997 to the present.	URL:http://www.spring er.com IP based multiuser
Delnet Developing Library Networ	Engineering Management Architecture	Journals Books Databases Thesis	URL:http://delnet.nic.in
MRCET e-Learning your knowledge centre	Engineering Management	11000+ NPTEL-Videos 500-Projects 1500+ Software Tutorial Videos 2500-Companies Information 2000+Universities Information	URL:http://mrcet.ac.in
J-Gate Largest E-Journal Gateway	Social & Management Sciences (JSMS) Engineering& Technology (JET)	49,144 e-Journals Full Text Access	URL:http://www.jgate.i n IP based multiuser



PUBLISHER	SUBJECTS	E-CONTENTS	URL/IP BASED MULTIUSER SERVICE
DOAJ DIRECTORY OF OPEN ACCESS JOURNALS	open access, peer- reviewed journals	11,413 Journals 7,093 searchable at Article level 136 Countries 2,222,621 Articles	URL:http://doaj.org/
LearnersTV	Free Education Online	Video Tutorials: 30741 Live Animations:410 PowerPoint Presentations:359	URL:http://www.learnerstv.com/
JNTUH eLSDM www.jntuh-elsdm.in	Two-way HD Delivery Mechanism, and Engineering E-learning Courseware.	e-Learning Solutions and Two- Way HD Delivery Mechanism for Teachers & Students (elude)	URL:www.jntuh- elsdm.in
National Digital Library	General Engineering and Reference	Books, Article, Thesis, Manuscript, Audio & Video Lectures	URL:https://ndl.iitkgp.ac.in
swayam	Teaching Learning Resources	Video lecture, Reading material- downloaded/Printed , Self-assessment tests and online discussion	URL:https://swayam.gov.in
SWAYAM PRABHA	Group of 32 DTH channels devoted to telecasting of high-quality educational programmes on 24x7 basis using the GSAT-15 satellite. Every day.	Video lectures and Material	URL:https://www.swayamprabha.gov.in
NPTEL	Humanities, Management and Engineering NPTEL online videos, courses	NPTEL, IIT Lectures, Courses, Videos, Engineering & Management Online, video lectures.	URL:www.nptelvideos.i n

III. EFFECTIVE UTILIZATION:

Objective of these facilities is to provide a platform for self-development.

Students realize that the self-learning process is essential to develop beyond the classroom.

These facilities help students for career development and lifelong learning (Higher studies, employment and entrepreneurship).

A few details of Utilization and its effectiveness for self-learning activity are highlighted below:

- Technical articles, magazines, journals, project reports are available in the central library and digital library. Students are motivated to publish articles through research journals and conferences and file patents, copyrights.
- The students who visit the library often and the students certified through MOOC in the respective academic year are felicitated. This motivates the students to make frequent use of library facilities.
- Books available in library, webinars/seminars and Industrial visits help the students in awareness and success in higher studies, placements and entrepreneurship.
- Laboratories are always available to the students during college hours for self learning, projects and various activities. After college hours Laboratory facilities are also available to students as per requirement and with due permission.
- Through Debates and Presentations, students are able to develop their communications skills, exploring skills and confidence, which helps them in lifelong learning.
- Through Professional body and club activity, students are able to learn teamwork, event management and technical skills, which helps them for placements and encouragement in Entrepreneurial development.

9.5 Career Guidance, Training, Placement (10) Total Marks 10.00

Institute Marks : 10.00

CAREER GUIDANCE,TRAINING,PLACEMENT

VISION:

The MRCET Training, Placement & Career Guidance Cell is committed to the professional progress of students through integrating the career issues within an academic environment for realizing their best possible career path.

MISSION:

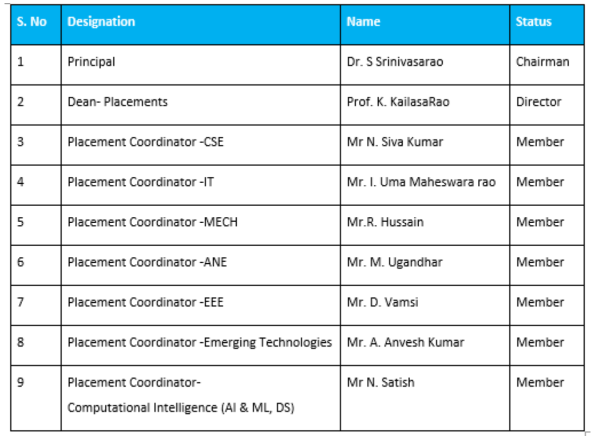
The MRCET Training, Placement & Career Guidance Cell will help the undergraduate, postgraduate and MBA students through counselling, instructions and training for development of desired skills essential for suitable job profile/ higher education/ self-employment and inviting the Corporate Industries / Research or Academic Institutes/ Commercial Organizations/ Public Sector Undertakings for campus placement.

I .AVAILABILITY OF CAREER GUIDANCE FACILTIES:

MRCET has a very strong Training, Placement & Career Guidance Cell which will take care of providing training as per companies requirement and guiding the students as per their choice.

Fig: 9.5.1 MRCET TRAINING, PLACEMENT & CAREER GUIDANCE CELL

Table 9.5.1 Career Guidance,Training,Placement Advisory Board

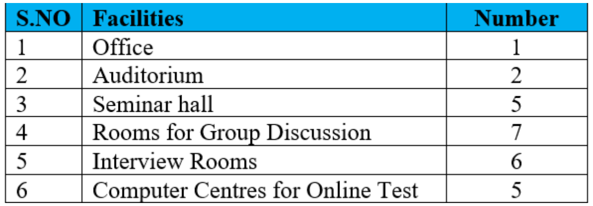


S. No	Designation	Name	Status
1	Principal	Dr. S Srinivasarao	Chairman
2	Dean- Placements	Prof. K. KailasaRao	Director
3	Placement Coordinator -CSE	Mr N. Siva Kumar	Member
4	Placement Coordinator -IT	Mr. I. Uma Maheswara rao	Member
5	Placement Coordinator -MECH	Mr.R. Hussain	Member
6	Placement Coordinator -ANE	Mr. M. Ugandhar	Member
7	Placement Coordinator -EEE	Mr. D. Vamsi	Member
8	Placement Coordinator -Emerging Technologies	Mr. A. Anvesh Kumar	Member
9	Placement Coordinator- Computational Intelligence (AI & ML, DS)	Mr N. Satish	Member

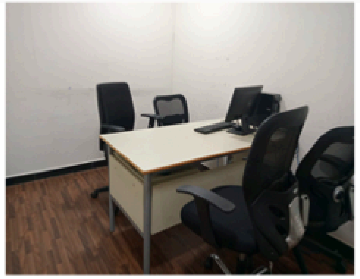
The college has career guidance and placement cell with full time staff members, headed by Dean – Placement & Training.

- MRCET offers career guidance on all aspects of career planning such as jobs, post-graduate studies/Entrepreneurship. Institute provides individual counselling for all the students towards reaching goals.
- Different cells such as training and placement, higher studies/competitive examination, industry institute interaction are formed to provide guidance to students for career development.
- The team fine tunes the students by providing insights into the complex dynamics of the corporate world and the current critical industrial & business scenarios.
- Well-equipped, fully air-conditioned space with all the necessary infrastructure, projection facilities, group discussions sections, counselling cubicles, interviewing rooms, etc. are provided for career guidance and placement cell.

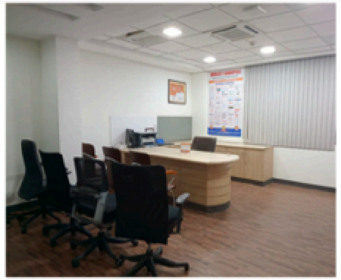
Table 9.5.2 Facilities providing for Career Guidance, Training, Placement



S.NO	Facilities	Number
1	Office	1
2	Auditorium	2
3	Seminar hall	5
4	Rooms for Group Discussion	7
5	Interview Rooms	6
6	Computer Centres for Online Test	5



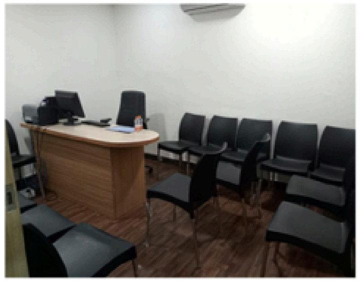
Interview Cabin



Group Discussion Room

Auditorium

Auditorium



Group Discussion Room

Seminar Hall

Fig: 9.5.2 Facilities providing for Career Guidance, Training, Placement

II.CAREER GUIDANCE AND PLACEMENT CELL ACTIVITIES:

- To arrange Campus recruitment drives of various companies on-campus and off-campus recruitments.
- To notify the students about various recruitment drives.
- To take the feedback from the placed students & companies.
- To maintain the student database.
- To maintain all necessary records of the Training & Placement cell.
- To plan Internships, Internships – cum – Placements, placements for all the students.

- To orient students on core companies' opportunities and preparations required for placements.
- To interact with companies for remaining student's placements and to invite them for internships, internships –cum – placements.
- To place non- eligible Students at Institute level and Department level by inviting companies for internships, internships –cum – placements.
- To arrange mock interviews and GDs regularly so as to equip final and pre-final year students to face the challenges of recruitment scenario.

III. PRE-PLACEMENT TRAINING ACTIVITIES:

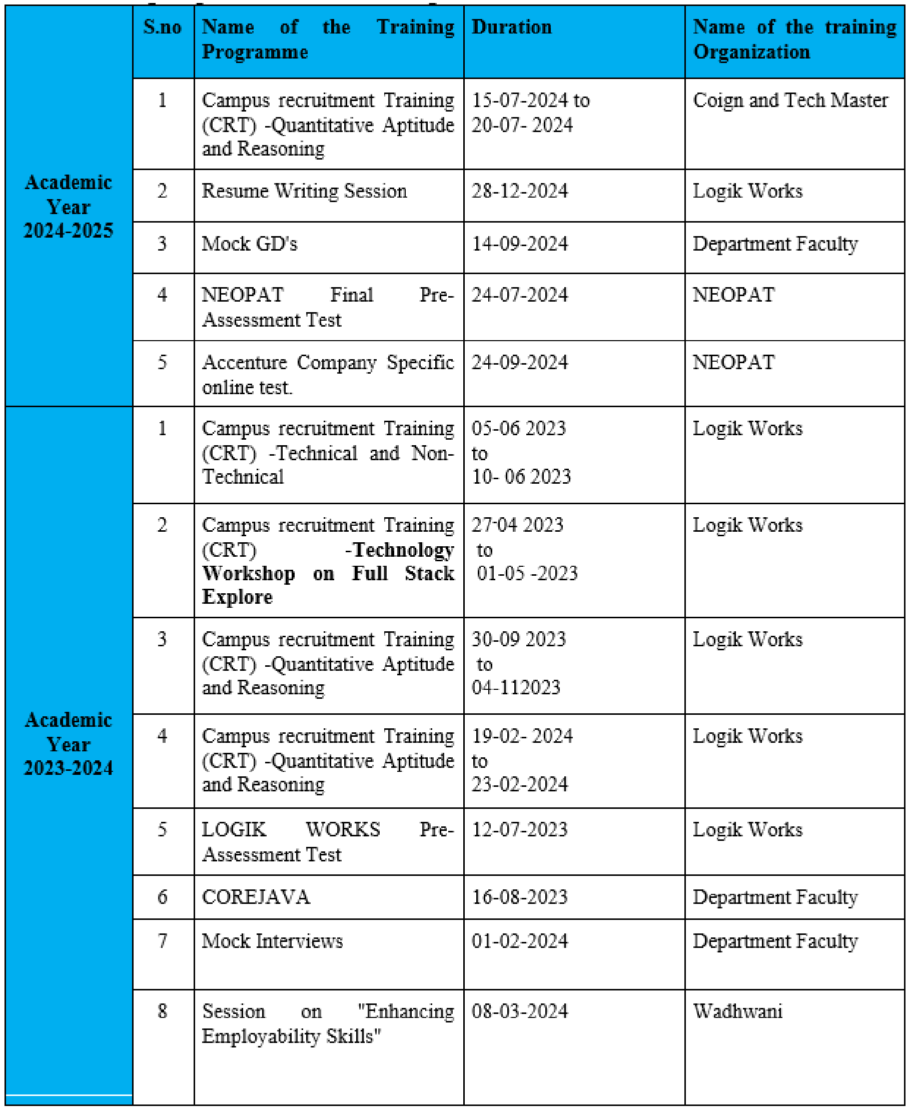
- Well-structured programme for pre-placement training is effectively implemented in MRCET. Year-wise activities are planned from first year to final year to make students competent for better career opportunities.
- **Trainings on:**
  - English Communication Skills
  - Soft Skills Training
  - Technical Skills Trainings are planned by the placement team.
- Technical and domain related sessions are conducted for all the students with basic programming subjects like C, C++, PYTHON, JAVA, Data Structures and also trained with few of the core subjects.
- **NEOPAT, CODE TANTRA**, Campus Credentials are engaged to conduct aptitude development training which is scheduled as a part of academics.
- Company specific Training and tests are conducted for third and final year students by **LOGIC WORKS** and **CODETANTRA**.
- Certified Trainers are deputed to take sessions on Verbal, Written and listening skills to ensure our students are well trained in **Business English Communication.**
- Versant and communication practice tool, **PEARSON MEPRO** was provided to students to develop their communication skills.
- Mock interviews and GDs are conducted on a regular basis to equip final and prefinal students to face the challenges of recruitment scenario.

TRAINING PROGRAMMES:

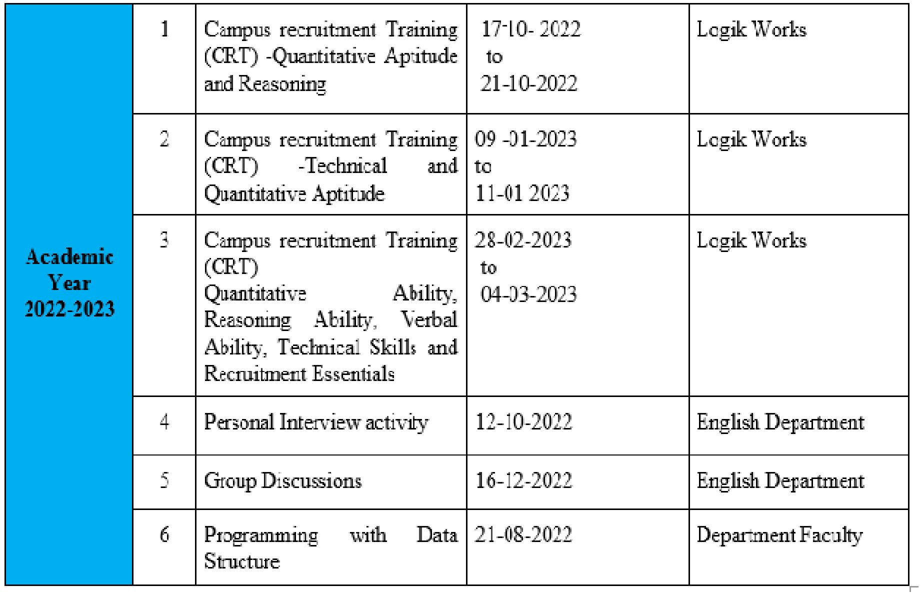
The Training and Placements Cell of Institute applies a unique concept to get the maximum result. From 2nd year onwards, it provides common placement-oriented training for all the students. In that time students are taught with basics of aptitude, logical reasoning, verbal ability and coding.

Some of the Training programmes are listed and their photos are shown below

Table 9.5.3 List of Training Programmes Conducted d during AY:2024-2025, 2023-2024, 2022-2023.



	S.no	**Name of the Training Programme**	**Duration**	**Name of the training Organization**
Academic Year 2024-2025	1	Campus recruitment Training (CRT) -Quantitative Aptitude and Reasoning	15-07-2024 to 20-07- 2024	Coign and Tech Master
	2	Resume Writing Session	28-12-2024	Logik Works
	3	Mock GD's	14-09-2024	Department Faculty
	4	NEOPAT Final Pre-Assessment Test	24-07-2024	NEOPAT
	5	Accenture Company Specific online test.	24-09-2024	NEOPAT
Academic Year 2023-2024	1	Campus recruitment Training (CRT) -Technical and Non-Technical	05-06 2023 to 10- 06 2023	Logik Works
	2	Campus recruitment Training (CRT) -**Technology Workshop on Full Stack Explore**	27-04 2023 to 01-05 -2023	Logik Works
	3	Campus recruitment Training (CRT) -Quantitative Aptitude and Reasoning	30-09 2023 to 04-112023	Logik Works
	4	Campus recruitment Training (CRT) -Quantitative Aptitude and Reasoning	19-02- 2024 to 23-02-2024	Logik Works
	5	LOGIK WORKS Pre-Assessment Test	12-07-2023	Logik Works
	6	COREJAVA	16-08-2023	Department Faculty
	7	Mock Interviews	01-02-2024	Department Faculty
	8	Session on "Enhancing Employability Skills"	08-03-2024	Wadhwani



Academic Year 2022-2023	1	Campus recruitment Training (CRT) -Quantitative Apitude and Reasoning	17-10- 2022 to 21-10-2022	Logik Works
	2	Campus recruitment Training (CRT) -Technical and Quantitative Aptitude	09 -01-2023 to 11-01 2023	Logik Works
	3	Campus recruitment Training (CRT) Quantitative Ability, Reasoning Ability, Verbal Ability, Technical Skills and Recruitment Essentials	28-02-2023 to 04-03-2023	Logik Works
	4	Personal Interview activity	12-10-2022	English Department
	5	Group Discussions	16-12-2022	English Department
	6	Programming with Data Structure	21-08-2022	Department Faculty

GPS Map Camera
Hyderabad, Telangana, India
HF63+FRG, Maisammaguda, Dulapally, Hyderabad, Telangana 500043, India
Lat 17.561294°
Long 78.45477°
15/07/24 09:55 AM GMT +05:30
Google
GPS Map Camera
Hyderabad, Telangana, India
HF63+JRJ, Maisammaguda, Dulapally, Hyderabad, Telangana 500043, India
Lat 17.561592°
Long 78.454606°
15/07/24 10:04 AM GMT +05:30
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Hyderabad, Telangana, India
HF63+MVJ, Maisammaguda, Dulapally, Hyderabad, Telangana 500043, India
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Google
GPS Map Camera
Hyderabad, Telangana, India
HF63+MVJ, Maisammaguda, Dulapally, Hyderabad, Telangana 500043, India
Lat 17.561394°
Long 78.454891°
16/07/24 09:46 AM GMT +05:30
Google

Fig 9.5.3 Glimpses of training Programmes conducted during AY:2024-2025, 2023-2024, 2022-2023

IV. CAREER COUNSELLING FOR PREPARATION OF COMPETITIVE EXAM/HIGHER STUDIES:

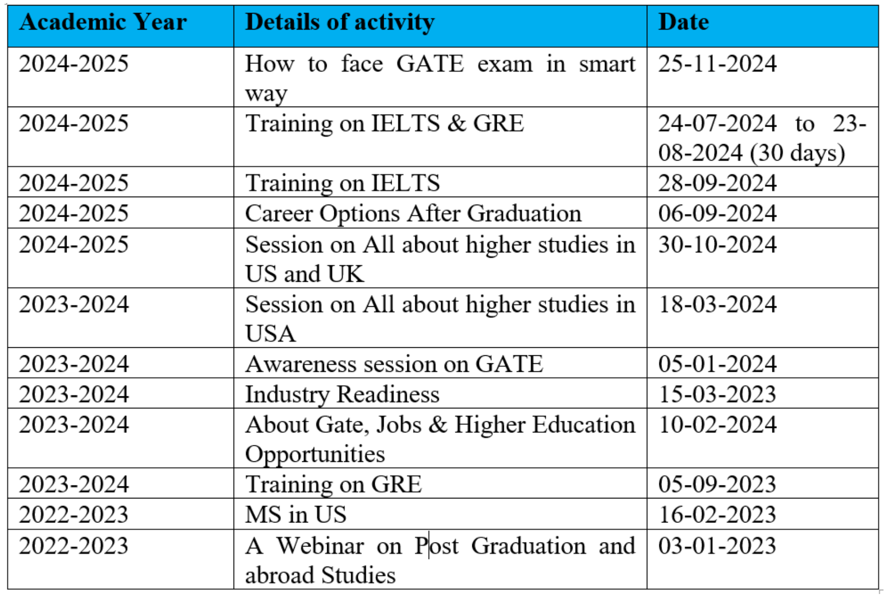
- Higher studies and competitive examination cells are formed at Institute level to provide guidance and facility to students related to higher studies and competitive examinations such as GRE, IELTS, TOEFL, GATE etc.
- The Higher Studies cell consists of Institute level coordinator and Department level coordinator for better coordination and communication.

- The Higher study and Placement cell organizes seminars on higher studies, Career guidance and motivational lectures by Alumni, entrepreneurs, External guests and faculty and conducts aptitude training sessions.

MALLA REDDY COLLEGE OF ENGINEERING AND TECHNOLOGY
Study Abroad
APPLYING PROCESS
Personalized Counselling
Academics Transcripts - (From 10th to Degree)
Passport Copy
English Proficiency Score
Statement of Purpose (SOP)
CV / Resume / Profile
Letter of Recommendations (LOR)
Portfolio
GLOBAL EDUCATION CONNECT
POSITIVE COLLABORATIONS AND PARTNERSHIPS
MRCET CAMPUS
MALLA REDDY COLLEGE OF ENGINEERING AND TECHNOLOGY
(Autonomous Institution - UGC, Govt. of India)
INTERNATIONAL EDUCATION CELL
Global Education Connect...

Fig: 9.5.4 Higher Education Cell

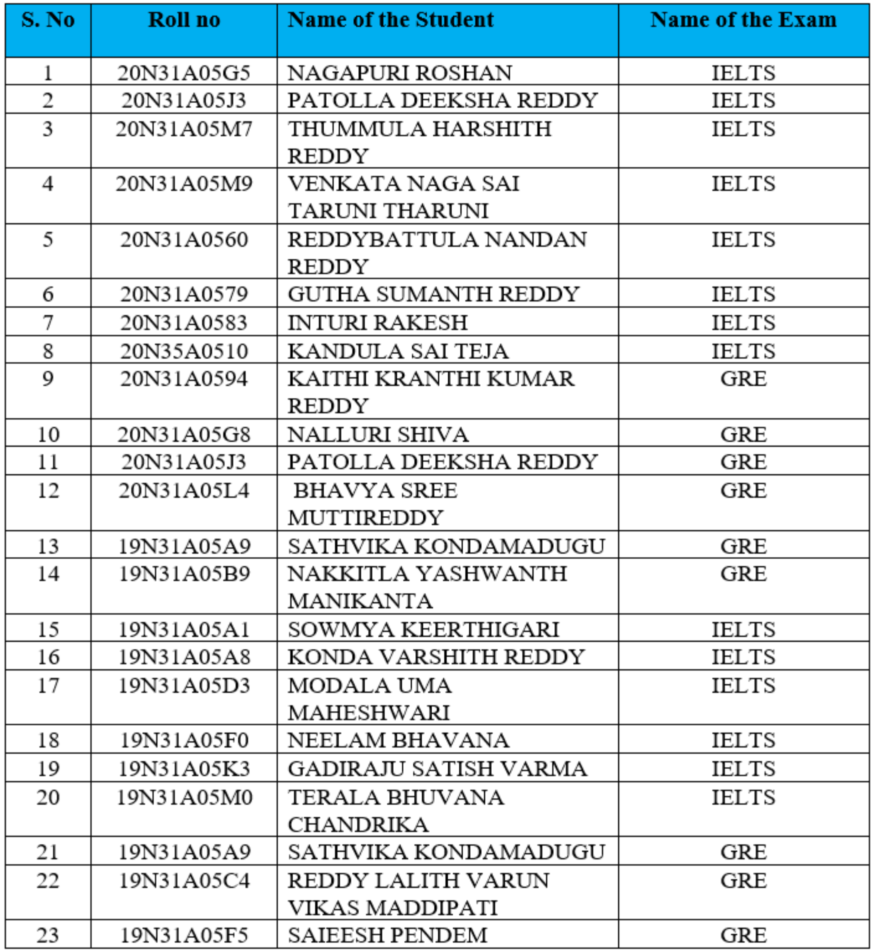
Table 9.5.4 Details of counselling for preparation of Competitive Exam/higher studies



Academic Year	Details of activity	Date
2024-2025	How to face GATE exam in smart way	25-11-2024
2024-2025	Training on IELTS & GRE	24-07-2024 to 23-08-2024 (30 days)
2024-2025	Training on IELTS	28-09-2024
2024-2025	Career Options After Graduation	06-09-2024
2024-2025	Session on All about higher studies in US and UK	30-10-2024
2023-2024	Session on All about higher studies in USA	18-03-2024
2023-2024	Awareness session on GATE	05-01-2024
2023-2024	Industry Readiness	15-03-2023
2023-2024	About Gate, Jobs & Higher Education Opportunities	10-02-2024
2023-2024	Training on GRE	05-09-2023
2022-2023	MS in US	16-02-2023
2022-2023	A Webinar on Post Graduation and abroad Studies	03-01-2023

Table 9.5.5 List of sample students qualified in various exams

during AY: 2023-2024, 2022-2023, 2021-2022



S. No	Roll no	Name of the Student	Name of the Exam
1	20N31A05G5	NAGAPURI ROSHAN	IELTS
2	20N31A05J3	PATOLLA DEEKSHA REDDY	IELTS
3	20N31A05M7	THUMMULA HARSHITH REDDY	IELTS
4	20N31A05M9	VENKATA NAGA SAI TARUNI THARUNI	IELTS
5	20N31A0560	REDDYBATTULA NANDAN REDDY	IELTS
6	20N31A0579	GUTHA SUMANTH REDDY	IELTS
7	20N31A0583	INTURI RAKESH	IELTS
8	20N35A0510	KANDULA SAI TEJA	IELTS
9	20N31A0594	KAITHI KRANTHI KUMAR REDDY	GRE
10	20N31A05G8	NALLURI SHIVA	GRE
11	20N31A05J3	PATOLLA DEEKSHA REDDY	GRE
12	20N31A05L4	BHAVYA SREE MUTTIREDDY	GRE
13	19N31A05A9	SATHVIKA KONDAMADUGU	GRE
14	19N31A05B9	NAKKITLA YASHWANTH MANIKANTA	GRE
15	19N31A05A1	SOWMYA KEERTHIGARI	IELTS
16	19N31A05A8	KONDA VARSHITH REDDY	IELTS
17	19N31A05D3	MODALA UMA MAHESHWARI	IELTS
18	19N31A05F0	NEELAM BHAVANA	IELTS
19	19N31A05K3	GADIRAJU SATISH VARMA	IELTS
20	19N31A05M0	TERALA BHUVANA CHANDRIKA	IELTS
21	19N31A05A9	SATHVIKA KONDAMADUGU	GRE
22	19N31A05C4	REDDY LALITH VARUN VIKAS MADDIPATI	GRE
23	19N31A05F5	SAIEESH PENDEM	GRE

PLACEMENT PROCESS AND SUPPORT

a. To identify the company for campus recruitment & communicate with company HR.

- To confirm the date & eligibility criteria suggested by the company.
- To communicate to HOD or Training & placement faculty coordinators & students about date & criteria of campus drive by email.
- To complete the registration of students appearing for the campus drive & verify the student’s documents as per the need of the company.
- To arrange Pre-placement, talk of the company professionals for the students.
- To support the conduction of Aptitude/Technical Test by company (Online/Offline).
- To arrange the Group Discussion & Technical / HR interviews of shortlisted students as per requirement of companies

b. In addition, Placement is also done for Non- eligible Students by the central placement cell as well as at department level by inviting companies for internships, internships–cum – placements etc.

c. In order to get maximum placement in core companies department wise initiatives are taken such as faculty industrial training, each faculty is in contact with at least two industries which will help students for industrial projects, internships and their placements.

V. EFFICACY OF CAREER GUIDANCE,TRAINING AND PLACEMENT

Table 9.5.6 Efficacy of career Guidance, Training, Placement

S. No.	Academic year	Total no. of students	No. of students placed	No. of students admitted to Competitive Exam/Higher studies	No. of students as entrepreneur	No. of Interns
1	2023-2024	267	210	35	2	36
2	2022-2023	272	205	39	1	29
3	2021-2022	232	171	35	0	23

SPECIAL ACHIEVEMENTS OF TRANING AND PLACEMENT CELL:

- 10 students of 2018-2022 batch got placed in DBS Bank - Financial services corporation with package 8.9 LPA.
- 2 students of 2018-2022 batch got placed in salesforce with package 8 LPA.
- 14 students of 2018-2022 batch got placed in Capgemini with package 7.5 LPA.
- 2 students of 2019-2023 batch got placed in DBS Bank - Financial services corporation with package 9 LPA.
- 8 students of 2019-2023 batch got placed in Tata consultancy services TCS Digital role with package 7 LPA.

- Ms. Shiva Bhavya Sree Mutti Reddy from 2020-2024 batch has got admission in one of top university, named University of Maryland Baltimore County in US for master's program.
- Ms. Sri Charan Rao from 2019-2023 batch has got admission in one of top university, named University of Illinois Springfield in US for master's program.Mr. Harsha Vardhan from 2018-2022 batch has got admission in to 5 top universities in the world like University of Notre Dame, University of Rochester, New York University (Tandon), Northeastern University (CPS), Rensselaer in US for master's program.

- Ms. Meghana from 2019-2023 batch has started her software company OMYTRA ENTERPRISES PRIVATE LIMITED which is incorporated on 11-10-2023 under the Companies Act, 2013 and is recognized as a startup by the Department for Promotion of Industry and Internal Trade. The startup is working in AI Industry and Others sector as self-certified by them.
- MS. Akhila Akinapally, MS. Alladi Asha kranthi and MS. Bellamkonda Babysree are an innovators and entrepreneurs in the fields of Medical Technology and Health Care. They started their company in the name of SONIC A SQUARE B SOLUTIONS PRIVATE LIMITED on 06-11-2023 and is recognized as a startup by the department for promotion of industry and internal trade. The startup is working in “Healthcare & Lifesciences” industry and “Healthcare services” sector as self-certified by them.

9.6 Entrepreneurship Cell Total Marks 5.00

Institute Marks : 5.00

ENTREPRENEURSHIP CELL

I. MRCET ENTREPRENEURSHIP CELL

VISION

Producing successful entrepreneurs imbibed with leadership qualities, Technical skills and above all passionate approach by using innovative and ethical business practices to make an effective global impact.

MISSION

Unlock the innovative business opportunities and outcomes along with market updating among students to pursue entrepreneurship.

EDC/IIPC- THE ASSOCIATION

MRCET professional association with an Industry-Institute Partnership Cell (IIPC) sanctioned by theAll Indian Council for Technical Education (AICTE) which definitely acts as an interface between the industries and Institute to take up collaborative activities in the fields of innovative practices and entrepreneur development. Entrepreneurship development cell has taken a revolutionary responsibility to generate the entrepreneurship skills among the students and help them to capitalize their ideas and achieve concrete goals to become a versatile entrepreneur. Moreover, we also give exposure to the industrial sector to the challenging young minds to gain the perfect idea of market need and requirements. The system for the execution of EDC is initiated by different departmental faculty members and student coordinators. Contribute to global challenges and create a better society.

EDC /IIPC- OBJECTIVES

Entrepreneurship development cell bridges the gap between ideas to develop new innovative market. The IIPC has eventually leaded to the start of EDC to boost up the concrete mindset of enthusiastic students who wants to excel in the different fields of today’s competitive business world.

- To strengthen the bond between industries and institute it works for following objectives.
- To arrange industrial training for students and identify student project work in industries relevant to industry needs.
- To interact with R & D organizations for conducting joint research work.
- To arrange technical exhibitions / project competitions, personality development workshops.
- To arrange short-term tailor made programmes: Duration of 5 to 7 days for the benefit of professionals in various technical disciplines
- To arrange need based training programme in association with industries by MOU’s.

FUNCTIONS

- To organize Entrepreneurship Development Programmes.
- To initiate five innovative student projects each year for new innovative product
- development.
- To organize Business Plan Competitions.

- To provide technological & logistical assistance and awareness on Monetary fund
- sources to the prospective entrepreneurs.
- To arrange interaction with entrepreneurs and create a mentorship scheme for
- student entrepreneurs.
- An Entrepreneurship Development cell in association with Industry Institute Partnership

EDC /IIPC- FUNCTIONAL ACTIVITIES

With a purpose of enhancing entrepreneurship skills among students to be self-reliant in the dynamic business world, MRCET act as an instrument to make the conversion of an ‘idea’ into an‘investment’.

The new generation entrepreneurs, corporate executives, guest speakers on various domains covering technology & management are invited to guide and motivate students. Furthermore, we also help them to channelize their requirements in terms of financial, technical and legal aspects.

- To provide the framework for the operation and execution of the new startup.
- To setup a route map for sustaining among the competitors.
- Empowering student entrepreneurial activity and mobilizing new student-led initiatives.
- To get aware of new technology system and get rid from obsolete technology.
- To form links with the Industry Growth Centers.
- To come closer towards practical approaches in the field of new start up corporate world.
- To propose several activity based programmes such as “Business Start-ups” , “Innovative
- Product”, ‘ Technology driven concepts”, etc
- To develop professional business plans and facilitating them for investments.

MRCET Business Incubation Centre

Incubation centre, sponsored by MSME Technology has been established in 2010-11, with the following objectives and programmes:

1. Creation of Technology based incubates on a continuous basis

2. Help to create value added jobs and services

3. Introduction of entrepreneurial culture among students.

4. Create effective networking for the development of technology based start-ups

5. Develop internationally accepted technologies

6. Promote students to come up with commercially viable curriculum projects

7. Create student entrepreneurs

8. Create awareness about Technology Incubation and Commercialization of R & D products and processes.

9. Promote small and medium industries. Number of Incubation Centre Year of Establishment Activities

TECHNOLOGY BUSINESS INCUBATION(TBI)

Technology Business Incubation (TBI) is to foster the development and growth of early-stage technology-based startups by providing them with the resources, guidance, and support necessary to become successful and sustainable businesses. The specific objectives of TBI include:

- Promote Innovation and Entrepreneurship:
- Provide Access to Funding:
- Offer Mentorship and Guidance
- Foster Collaboration:
- Facilitate Market Access:
- Reduce the Risk of Failure.
- Encourage Technological Advancements
- Create Job Opportunities
- Enhance Knowledge Transfer

INSTITUTION INNOVATION COUNCIL(IIC)

The main objectives of an IIC is to foster a dynamic ecosystem for the creation, development, and commercialization of innovative ideas, and to engage students, faculty, and researchers in various aspects of innovation and entrepreneurship.

primary objectives of the Institution Innovation Council (IIC):

- Promote Innovation Culture
- Nurture Entrepreneurial Mindset
- Support Research and Development
- Bridge the Gap Between Academia and Industry.
- Organize Innovation and Entrepreneurship Activities
- Support Technology Commercialization
- Encourage Knowledge Sharing and Interdisciplinary Collaboration
- Provide Mentorship and Guidance
- Create a Sustainable Innovation Ecosystem

II. EDC ACTIVITIES

To create awareness about entrepreneurship & motivation among students EDC organized different activities. These activities are summarized in table

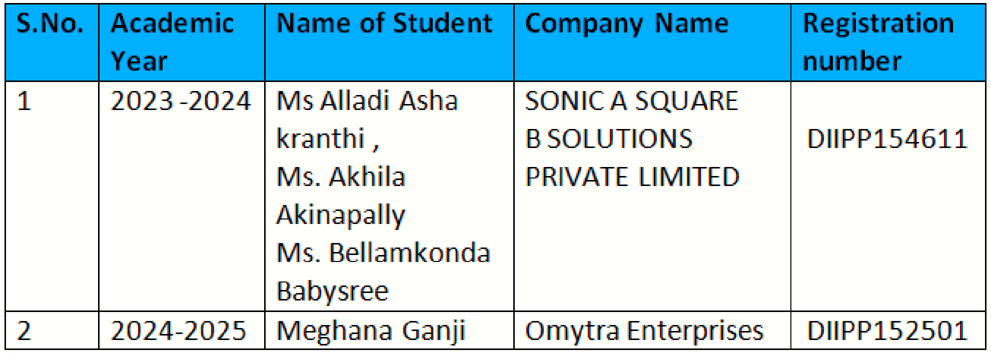
Table 9.6.a List of Institution Innovation Council (IIC) Activities organized by Department of CSE

AY:2024-2025				
S.NO	Name of the IIC Activity	Dates of the Activity	Venue	No of students participated
1	A seminar on Digital Marketing for Startups-Building an Online Presence	13-07-2024	CSE-Seminar Hall, MRCET	110
2	A seminar on Intellectual property rights for startups-Safeguarding Innovation	25-07-2024	CSE-Seminar Hall, MRCET	109
3	A seminar on Global Market Expansion: International Opportunities for Startups	09-08-2024	CSE-Seminar Hall, MRCET	111
4	Expert talk on CONVERTING INNOVATION INTO A START-UP	13-08-2024 to 14-08-2024	CSE-Seminar Hall, MRCET	105
5	Intra-Institutional Idea Competition -Q1	29-10-2024 to 30-10-2024	CSE-Seminar Hall ,MRCET	63
AY: 2023-2024				
1	**IDEATHON-2023** An Inter Institutional Startup Idea Innovation Challenge	11th & 12th August 2023	CSE-Seminar Hall ,MRCET	56
2	DEMO DAY	08/12/2023	Class room of CSE	71
3	Shrujana Shibir Yatra (Entrepreneurship Readiness Camp)	27-01-2024	Main Auditorium, MRCET	250
4	Business Model Canvas Blueprint for Startup Success	24-02-2024	Main Auditorium, MRCET	250
5	DEMO DAY-Q3	06-05-2024 to 09-05-2024	E-class room CSE Dept	120
AY :2022-2023				
1	Intellectual Property Rights and IP managements for start up, Dr.V.Leela Vinodhan Director, Center for skill and Career Development	29/04/2022	Main Auditorium, MRCET	280
2	Innovation day Celebrations	15th OCT 2022	CSE-Seminar Hall, MRCET	140
3	Intra Institutional Innovation Competition	27/01/2023	Class room of CSE	55
4	Visit to AIC ALEAP WE-HUB and Incubation Facility	12.04.2023	AIC ALEAP WE-HUB at pragathi nagar Hyderabad	50

Fig 9.6.a Photos of some of the IIC Events

III. STUDENT BENEFITTED (SUCCESS STORIES) YEARWISE DATA

Table 9.6.b Success Stories of startups



S.No.	Academic Year	Name of Student	Company Name	Registration number
1	2023 -2024	Ms Alladi Asha kranthi , Ms. Akhila Akinapally Ms. Bellamkonda Babysree	SONIC A SQUARE B SOLUTIONS PRIVATE LIMITED	DIIPP154611
2	2024-2025	Meghana Ganji	Omytra Enterprises	DIIPP152501

IV. Success story of MRCET-CSE Entrepreneurs-

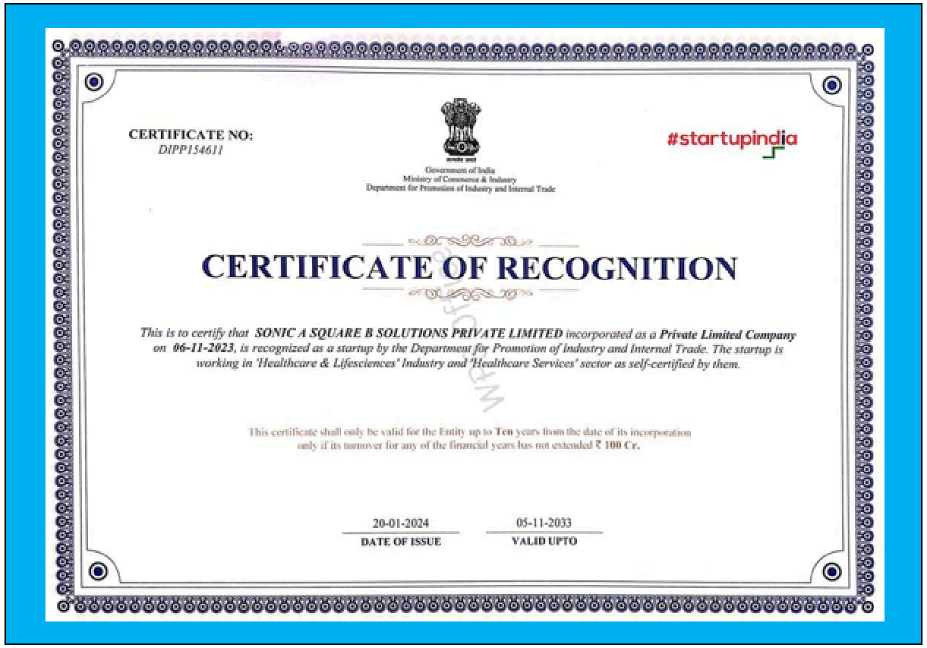
Ms Alladi Asha kranthi , Ms Akhila Akinapally and Ms. Bellamkonda Babysree :

Ms.Akhila Akinapally , Ms.Alladi Asha kranthi and Ms Bellamkonda Babysree are an innovators and entrepreneurs in the fields of Medical Technology and Health Care. These are the students from Computer science background even though they are interested to serve the people in rural areas.Which they observed lack of medication at Rural areas. Like No hospitals with enough facilities , No medical scanning centers and the people who are staying in rural backgrounds No proper medication based on this problems they have decided to start an company which are useful to Rural areas and Semi-Urban Areas.But they Don't know how to start where to start ,At that time in Mrcet Campus they have attended a program which is conducted by AIC-SKU (Atal incubation center- Sri krishnadevaraya University) Ananthapur. It is an incubation center which supports the startups and the early stage ideas to prototypes for ideas, they have shown interest to join in incubation center then after they went to ananthapur. Then they started to know about startup culture , How to start an company , What is a business , and many more about startups.

Finally, they started their own company named **SONIC A SQUARE B SOLUTIONS PRIVATE LIMITED** on 06/11/2023 with the support of MRCET and AIC-SKU ,And then they got their "STARTUP INDIA CERTIFICATE" , and they won Best startup Award in Women sector in the program which is held in Ananthapur AIC-SKU (Startup jathara) and one of the person in their team went to Thailand on the occasion of Award Function held by an International company called "KRYA-ICIA". They WON " TITANIUM AWARD " their Idea. Where the Titanium Award stands at 1st place.

Their idea is "**DOOR STEP DIAGNOSTICS** " avan which is equipped with the advanced portable diagnostic devices and carry them to the rural and under served areas to give the diagnostic scanning services to the needed people in rural areas with affordable prices.

The MRCET helped them to know about startup culture. The team says they are not able to achieve this much success without MRCET and CSE-HoD. MRCET has played an instrumental role in guiding him in the initial years of his career during college. They are supported by the faculty and college in leading their company. They are allowed to use extensively make use of the research facilities at the college and also receive help from faculty whenever required. The college also helped them to connect to key people in the industry to help their get business.



CERTIFICATE NO:
DIPP154611

Government of India
Ministry of Commerce & Industry
Department for Promotion of Industry and Internal Trade

#startupindia

CERTIFICATE OF RECOGNITION

This is to certify that ***SONIC A SQUARE B SOLUTIONS PRIVATE LIMITED*** *incorporated as a* ***Private Limited Company*** *on* ***06-11-2023****, is recognized as a startup by the Department for Promotion of Industry and Internal Trade. The startup is working in 'Healthcare & Lifesciences' Industry and 'Healthcare Services' sector as self-certified by them.*

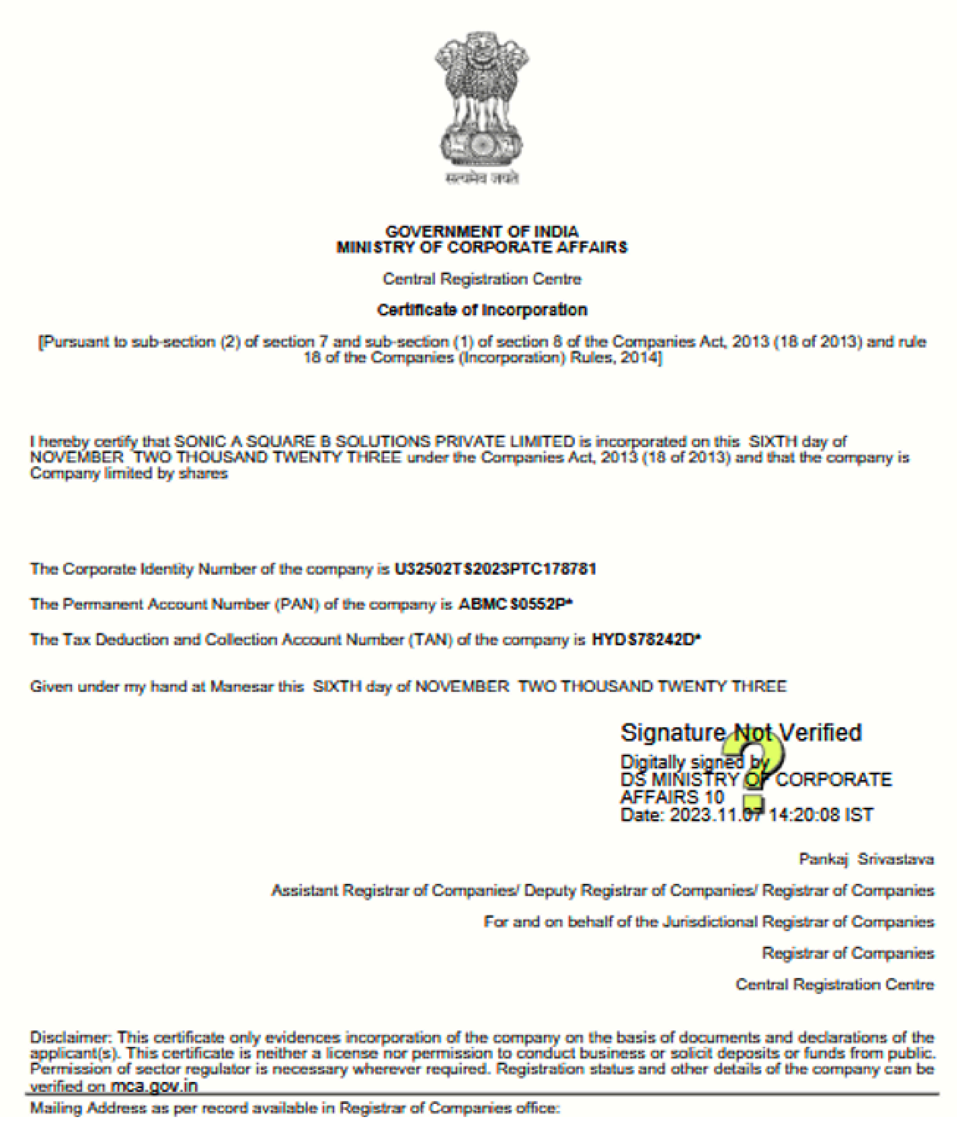
This certificate shall only be valid for the Entity up to **Ten** years from the date of its incorporation only if its turnover for any of the financial years has not extended ₹ **100 Cr.**

20-01-2024
DATE OF ISSUE

05-11-2033
VALID UPTO

Fig:9.6.b Certificate of Recognition

Fig:9.6.c Photo of the Entrepreneures



सत्यमेव जयते

GOVERNMENT OF INDIA
MINISTRY OF CORPORATE AFFAIRS

Central Registration Centre

Certificate of Incorporation

[Pursuant to sub-section (2) of section 7 and sub-section (1) of section 8 of the Companies Act, 2013 (18 of 2013) and rule 18 of the Companies (Incorporation) Rules, 2014]

I hereby certify that SONIC A SQUARE B SOLUTIONS PRIVATE LIMITED is incorporated on this SIXTH day of NOVEMBER TWO THOUSAND TWENTY THREE under the Companies Act, 2013 (18 of 2013) and that the company is Company limited by shares

The Corporate Identity Number of the company is **U32502TS2023PTC178781**

The Permanent Account Number (PAN) of the company is **ABMCS0552P***

The Tax Deduction and Collection Account Number (TAN) of the company is **HYDS78242D***

Given under my hand at Manesar this SIXTH day of NOVEMBER TWO THOUSAND TWENTY THREE

Signature Not Verified
Digitally signed by
DS MINISTRY OF CORPORATE
AFFAIRS 10
Date: 2023.11.07 14:20:08 IST

Pankaj Srivastava
Assistant Registrar of Companies/ Deputy Registrar of Companies/ Registrar of Companies
For and on behalf of the Jurisdictional Registrar of Companies
Registrar of Companies
Central Registration Centre

Disclaimer: This certificate only evidences incorporation of the company on the basis of documents and declarations of the applicant(s). This certificate is neither a license nor permission to conduct business or solicit deposits or funds from public. Permission of sector regulator is necessary wherever required. Registration status and other details of the company can be verified on mca.gov.in

Mailing Address as per record available in Registrar of Companies office:

Fig 9.6.d Registration Certificate

From Tradition to Innovation: -

The Journey of Meghana Ganji and Omytra Enterprises

Hello, everyone.

I am Meghana Ganji, the proud founder and CEO of Omytra Enterprises. My journey began in a small village called Pochampally, a place steeped in tradition and renowned for its exquisite Ikkat sarees—known as the Heritage of Telangana. Growing up in this vibrant cultural environment, I witnessed both the beauty of our weaving tradition and the challenges faced by manufacturers and customers alike. As someone deeply connected to both fashion and tradition, I always dreamed of creating something unique that could bridge the gap between these two worlds. The idea struck me one day as I reflected on my love for weaving and my fascination with technology: *Why not combine the timeless art of weaving with the endless possibilities of technology?* With that thought, Omytra Enterprises was born. Together with a dedicated team of four members, we delved deep into understanding the pain points of the fashion industry. During our research, we uncovered some recurring issues:

- Customers were frustrated with the same stocked designs, making fashion feel repetitive.
- There was a glaring lack of uniqueness, leaving people yearning for something new.
- Many felt unsatisfied with the limited variety of designs available.

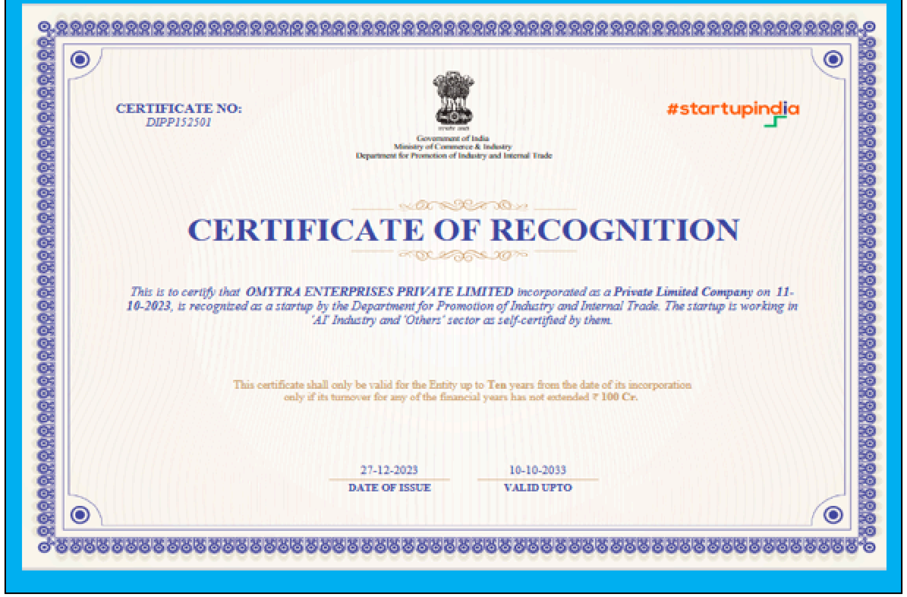
We knew we had to find a solution, and that's how "Intifab" came to life. Intifab is not just a concept; it's a revolution. It's a textile manufacturing hub and a dynamic webpage powered by AI, giving people the power to "Design the way you want." Imagine a world where tradition and technology come together seamlessly to offer a unique, personalized fashion experience.Our vision is bold—a ZenC idea and a futuristic solution for the year 2050. By amalgamating advanced AI with our rich heritage, we aim to redefine the fashion industry. With every step, we're working to create a new era where individuality shines and tradition evolves to meet modern needs.

Omytra Enterprises isn't just a business; it's a movement to transform how the world sees fashion. And I'm excited to say this is just the beginning of our journey. Together, with collaborations and innovation, we are setting the stage to revolutionize the fashion world and make it a better place for both manufacturers and customers.The MRCET helped them to know about startup culture. The team says they are not able to achieve this much success without R&D Head (PHV Sai Sir) and CSE-HoD (Shanti Mam).

MRCET has played an instrumental role in guiding him in the initial years of his career during college. They are supported by the faculty and college in leading their company. They are allowed to extensively make use of the research facilities at the college and also receive help from faculty whenever required. The college also helped them to connect to key people in the industry to help their get business

Thank you for being a part of this journey with us. Let's design the future of fashion, together!

Association of Lady Entrepreneurs of India (ALEAP)
invites you to the Celebrations of
INTERNATIONAL WOMEN'S DAY



CERTIFICATE NO:
DIPP152501

Government of India
Ministry of Commerce & Industry
Department for Promotion of Industry and Internal Trade

#startupindia

CERTIFICATE OF RECOGNITION

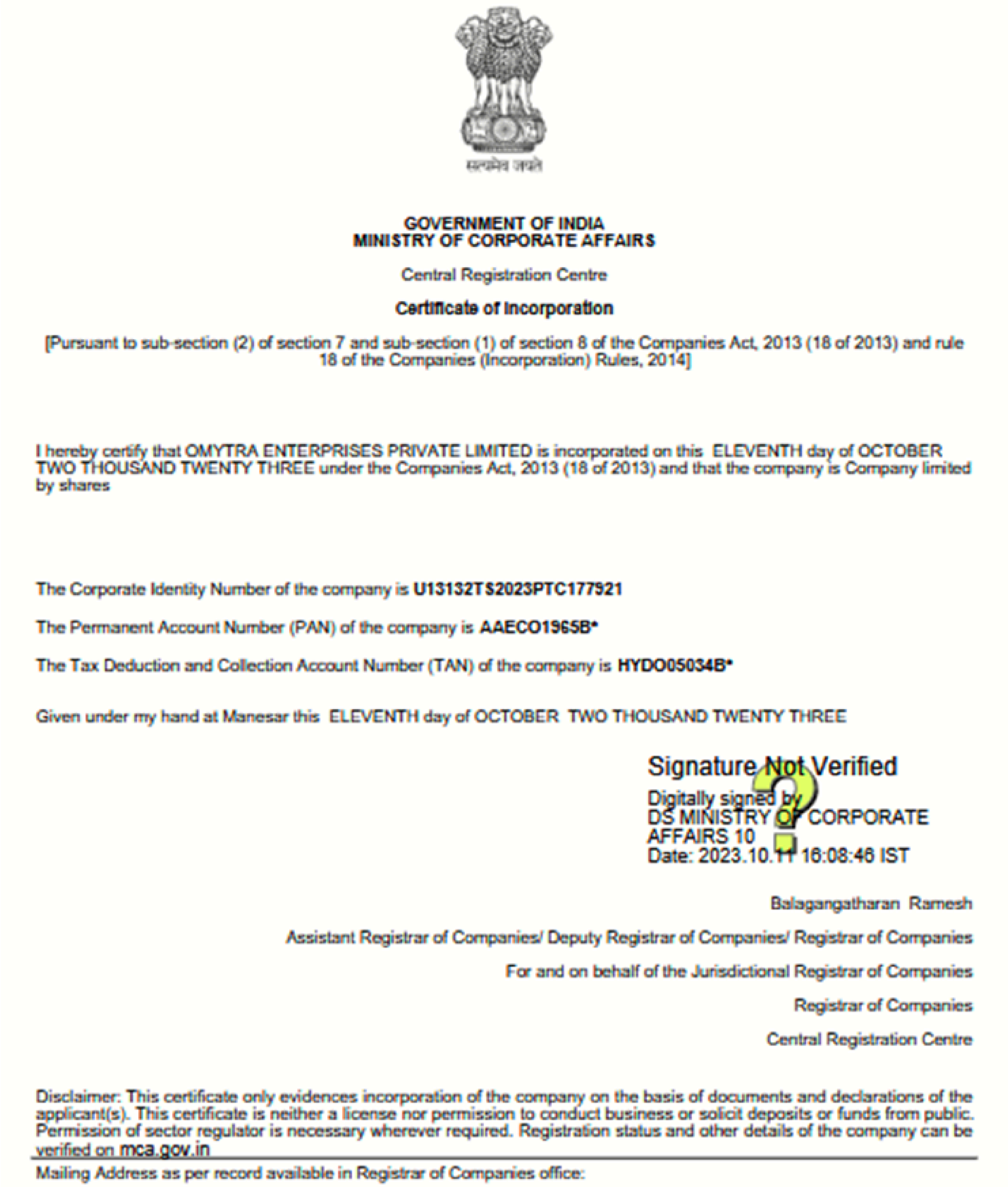
This is to certify that ***OMYTRA ENTERPRISES PRIVATE LIMITED*** *incorporated as a* ***Private Limited Company*** *on* ***11-10-2023****, is recognized as a startup by the Department for Promotion of Industry and Internal Trade. The startup is working in 'AI' Industry and 'Others' sector as self-certified by them.*

This certificate shall only be valid for the Entity up to **Ten** years from the date of its incorporation only if its turnover for any of the financial years has not extended ₹ **100 Cr.**

27-12-2023
DATE OF ISSUE

10-10-2033
VALID UPTO

Fig:9.6.e Photo of the Entrepreneur and certificate of Recognition



सत्यमेव जयते

GOVERNMENT OF INDIA
MINISTRY OF CORPORATE AFFAIRS

Central Registration Centre

Certificate of Incorporation

[Pursuant to sub-section (2) of section 7 and sub-section (1) of section 8 of the Companies Act, 2013 (18 of 2013) and rule 18 of the Companies (Incorporation) Rules, 2014]

I hereby certify that OMYTRA ENTERPRISES PRIVATE LIMITED is incorporated on this ELEVENTH day of OCTOBER TWO THOUSAND TWENTY THREE under the Companies Act, 2013 (18 of 2013) and that the company is Company limited by shares

The Corporate Identity Number of the company is **U13132TS2023PTC177921**

The Permanent Account Number (PAN) of the company is **AAECO1965B***

The Tax Deduction and Collection Account Number (TAN) of the company is **HYDO05034B***

Given under my hand at Manesar this ELEVENTH day of OCTOBER TWO THOUSAND TWENTY THREE

Signature Not Verified
Digitally signed by
DS MINISTRY OF CORPORATE
AFFAIRS 10
Date: 2023.10.11 16:08:46 IST

Balagangatharan Ramesh

Assistant Registrar of Companies/ Deputy Registrar of Companies/ Registrar of Companies

For and on behalf of the Jurisdictional Registrar of Companies

Registrar of Companies

Central Registration Centre

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Fig:9.6.f Registration certificate

V. EFFECTIVENESS OF EDC

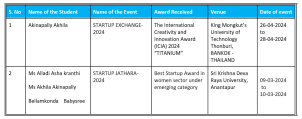
EDC has provided the platform for the students of all the departments to showcase their talent and skills related to incubation and entrepreneurship.

The students are getting benefited in the following ways;

- The platform is provided for the students who are really willing to undertake incubation and entrepreneurship.
- More students are going for this option and the trend is encouraging.
- Financial assistance/Funding and guidance is made available for the ideas of the students having potential to be successful startups/enterprises by EDC in coordination with the Institute.

VI. AWARDS RECEIVED BY OUR STUDENTS

Table 9.6.c Awards received



S. No	Name of the Student	Name of the Event	Award Received	Venue	Date of event
1	Akinapally Akhila	STARTUP EXCHANGE-2024	The International Creativity and Innovation Award (ICIA) 2024 "TITANIUM"	King Mongkut's University of Technology Thonburi, BANKOK - THAILAND	26-04-2024 to 28-04-2024
2	Ms Alladi Asha kranthi Ms Akhila Akinapally Bellamkonda Babysree	STARTUP JATHARA-2024	Best Startup Award in women sector under emerging category	Sri Krishna Deva Raya University, Anantapur	09-03-2024 to 10-03-2024

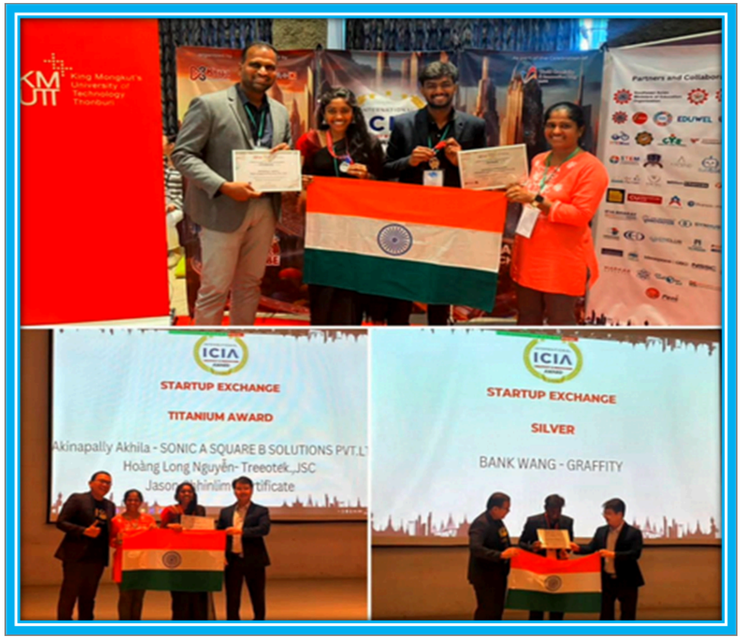
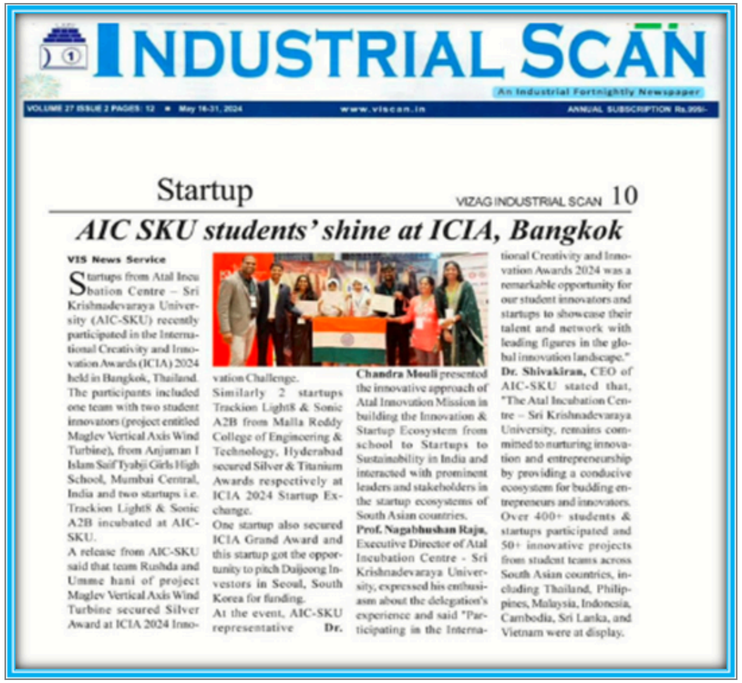

King Mongkut's University of Technology Thonburi
ICIA
STARTUP EXCHANGE
TITANIUM AWARD
Akinapally Akhila - SONIC A SQUARE B SOLUTIONS PVT.L
Hoàng Long Nguyễn- Treeotek.,JSC
ICIA
STARTUP EXCHANGE
SILVER
BANK WANG - GRAFFITY

Fig 9.6.g The International Creativity and Innovation Award (ICIA) 2024 "TITANIUM"



INDUSTRIAL SCAN
An Industrial Fortnightly Newspaper
VOLUME 27 ISSUE 2 PAGES: 12 • May 16-31, 2024 www.viscan.in ANNUAL SUBSCRIPTION Rs.[illegible]

AIC SKU students' shine at ICIA, Bangkok

VIS News Service

Startups from Atal Incubation Centre – Sri Krishnadevaraya University (AIC-SKU) recently participated in the International Creativity and Innovation Awards (ICIA) 2024 held in Bangkok, Thailand. The participants included one team with two student innovators (project entitled Maglev Vertical Axis Wind Turbine), from Anjuman I Islam Saif Tyabji Girls High School, Mumbai Central, India and two startups i.e. Trackion Light8 & Sonic A2B incubated at AIC-SKU.

A release from AIC-SKU said that team Rushda and Umme hani of project Maglev Vertical Axis Wind Turbine secured Silver Award at ICIA 2024 Innovation Challenge.

Similarly 2 startups Trackion Light8 & Sonic A2B from Malla Reddy College of Engineering & Technology, Hyderabad secured Silver & Titanium Awards respectively at ICIA 2024 Startup Exchange.

One startup also secured ICIA Grand Award and this startup got the opportunity to pitch Daijeong Investors in Seoul, South Korea for funding.

At the event, AIC-SKU representative **Dr. Chandra Mouli** presented the innovative approach of Atal Innovation Mission in building the Innovation & Startup Ecosystem from school to Startups to Sustainability in India and interacted with prominent leaders and stakeholders in the startup ecosystems of South Asian countries.

Prof. Nagabhushan Raju, Executive Director of Atal Incubation Centre - Sri Krishnadevaraya University, expressed his enthusiasm about the delegation's experience and said "Participating in the International Creativity and Innovation Awards 2024 was a remarkable opportunity for our student innovators and startups to showcase their talent and network with leading figures in the global innovation landscape."

Dr. Shivakiran, CEO of AIC-SKU stated that, "The Atal Incubation Centre – Sri Krishnadevaraya University, remains committed to nurturing innovation and entrepreneurship by providing a conducive ecosystem for budding entrepreneurs and innovators. Over 400+ students & startups participated and 50+ innovative projects from student teams across South Asian countries, including Thailand, Philippines, Malaysia, Indonesia, Cambodia, Sri Lanka, and Vietnam were at display.

Fig 9.6.h News paper article of Titanium Award

Fig 9.6.i Best Startup Award in women sector at SKU ,Anantapur

9.7 Co-curricular and Extra-curricular Activities

Total Marks 10.00

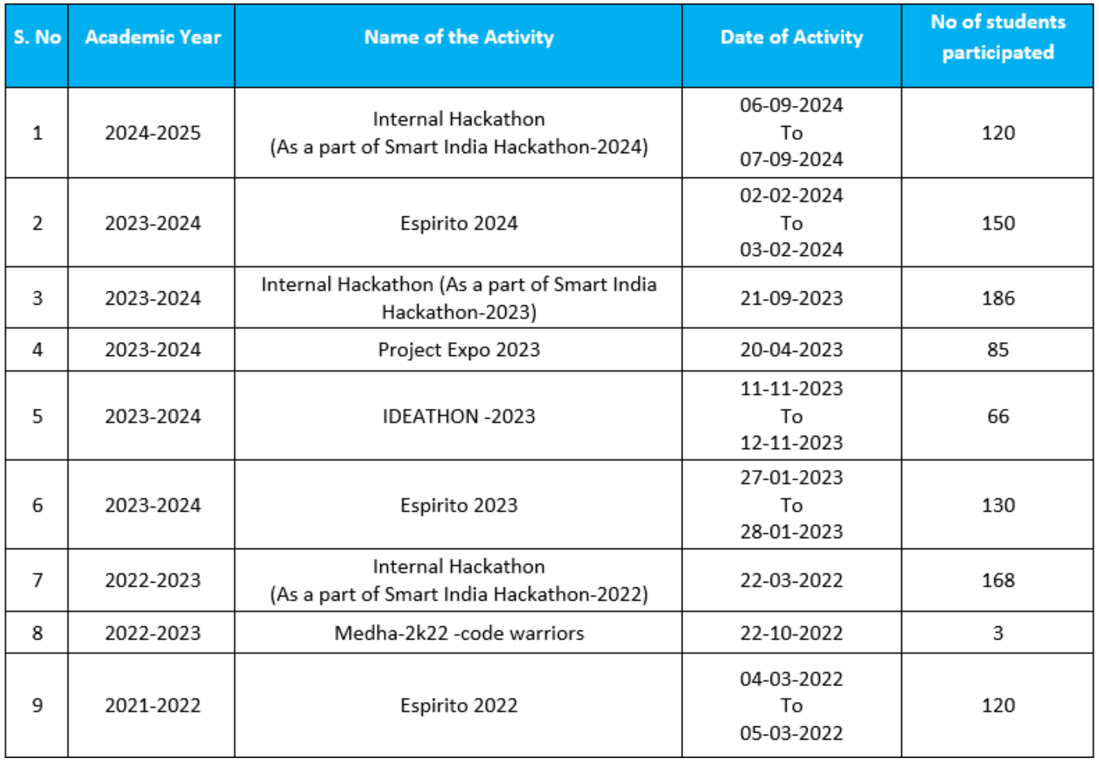
Institute Marks : 10.00

CO-CURRICULAR AND EXTRA-CURRICULAR ACTIVITIES:

- The College views extracurricular and co-curricular activities as integral to the holistic development of students.
- Students are allowed to participate in technical and cultural activities organized by the university or any other college.

Co-Curricular Activities:

Table 9.7.1 Summary of co-curricular activities



S. No	Academic Year	Name of the Activity	Date of Activity	No of students participated
1	2024-2025	Internal Hackathon (As a part of Smart India Hackathon-2024)	06-09-2024 To 07-09-2024	120
2	2023-2024	Espirito 2024	02-02-2024 To 03-02-2024	150
3	2023-2024	Internal Hackathon (As a part of Smart India Hackathon-2023)	21-09-2023	186
4	2023-2024	Project Expo 2023	20-04-2023	85
5	2023-2024	IDEATHON -2023	11-11-2023 To 12-11-2023	66
6	2023-2024	Espirito 2023	27-01-2023 To 28-01-2023	130
7	2022-2023	Internal Hackathon (As a part of Smart India Hackathon-2022)	22-03-2022	168
8	2022-2023	Medha-2k22 -code warriors	22-10-2022	3
9	2021-2022	Espirito 2022	04-03-2022 To 05-03-2022	120

Table 9.7.2 Sample list of Co-Curricular Activities

S.NO	Academic Year	Name of the Activity/ Workshop	Name of the Student	Award received	Event Venue	Date of event
1	2024-2025	TATA INNOVANT	G LAKSHIMI SRAVANI	participation	TATA TECHNOLOGIES -HYDERABAD	10th OCT 2024
2	2024-2025	TATA INNOVANT	G VARSHITH	participation	TATA TECHNOLOGIES -HYDERABAD	10th OCT 2024
3	2024-2025	TATA INNOVANT	J ASHWANTH KUMAR	participation	TATA TECHNOLOGIES -HYDERABAD	10th OCT 2024
4	2024-2025	TATA INNOVANT	G SHRIMAYI	participation	TATA TECHNOLOGIES -HYDERABAD	10th OCT 2024
5	2024-2025	HACKATHON	T SIVA RAMA KRISHNA	participation	MREC-HYDERABAD	30th NOV 2024
6	2024-2025	HACKATHON	T SANJANA CHOWDARY	participation	MREC-HYDERABAD	30th NOV 2024
7	2024-2025	HACKATHON	V TEJASWINI	participation	MREC-HYDERABAD	30th NOV 2024
8	2024-2025	IDEATHON	P VIGHNESH	participation	VIT	11-12 SEPT 2024
9	2024-2025	IDEATHON	K SAI VISHNU VARDHAN REDDY	participation	VIT	11-12 SEPT 2024
10	2024-2025	IDEATHON	K NITHIN PRAKASH	participation	VIT	11-12 SEPT 2024
11	2024-2025	PAPER PRSENTATION	M AMAN SHAH	participation	COMPUTER SOCIETY OF INDIA	29 June 2024
12	2024-2025	IDEATHON	K VAMSHIDHAR REDDY	participation	VIT	11-12 SEPT 2024
13	2024-2025	INTERNAL SOCIETY OF GEN &CELL THERAPYAND AIML -BIO 2024	B SHIVA KUMAR	participation	RV COLLEGE BENGALURU	20-21 SEPT 2024

14	2024-2025	INTERNAL SOCIETY OF GEN &CELL THERAPYAND AIML -BIO 2024	SAI THARESH REDDY VUPPUGANDLA	participation	RV COLLEGE BENGALURU	20-21 SEPT 2024
15	2024-2025	CODING	B SRILATHA	participation	SRM CHENNAI	29 OCT 2K4
16	2024-2025	HACKATHON	K SAI SHREEYA	participation	DAYANANDA SAGAR UNIVERSITY KARANATAKA	27-28 SEPT 2024
17	2024-2025	HACKTHON	K SHARANYA	participation	SRM CHENNAI	1 -3 SEPT 2024
18	2024-2025	IDEATHON	K PRANITHA	participation	SRM CHENGALPATTU	21-22 OCT 2024
19	2024-2025	DD-ROBOCON	V MANIKANTA	participation	IIT DELHI	13-14 JULY 2024
20	2024-2025	CODING	V DURGA SRI KRISHNA	participation	SRM CHENNAI	29 OCT 2K4
21	2024-2025	BUG –BUSTER'S	M ANIL	participation	SRM KATTANKULATHUR	19 SEPT 2024
22	2024-2025	CODING NINJAS	S ADARSH	participation	SRM	Oct 25 2024
23	2024-2025	CODING	K AKSHAY KUMAR	participation	SRM CHENNAI	29 OCT 2K4
24	2024-2025	HACK2TechSustain	M AMAN SHAH	participation	Anna university	April 26 2024
25	2024-2025	QUANTATHON 2.0	EMMADI MANASWINI	participation	SRMIST	15 TO 18 OCT 2024
26	2024-2025	CODING	N ABHINAV	participation	SRM CHENNAI	29 OCT 2K4
27	2024-2025	HACKAPTS (STATE LEVEL CODING HACKATHON)	YAGANTI SUBHASH	participation	Online	25th JAN 2025
28	2024-2025	HACKAPTS (STATE LEVEL CODING HACKATHON)	UMESH CHANDRA	participation	Online	25th JAN 2025

29	2024-2025	HACKAPTS (STATE LEVEL CODING HACKATHON)	VEMULA SIRI MAHALAXMI	participation	Online	25th JAN 2025
30	2024-2025	INTERNAL HACKATHON (AS A PART OF SMART INDIA HACKATHON -2024)	SHAIK FAREEDA	participation	CSE -SEMINAR HALL, MRCET	05th & 06th SEP 2024
31	2024-2025	INTERNAL HACKATHON (AS A PART OF SMART INDIA HACKATHON -2024)	MOYYA SHRAGHVIN	participation	CSE -SEMINAR HALL, MRCET	05th & 06th SEP 2024
32	2024-2025	INTERNAL HACKATHON (AS A PART OF SMART INDIA HACKATHON -2024)	RAVIPUDI SAI SUSRITHA	participation	CSE -SEMINAR HALL, MRCET	05th & 06th SEP 2024
33	2023-2024	PAPER PRESENTATION	KOTHAKANTI SAI SHREEYA	I	NARSIMHA REDDY ENGINEERING COLLGE	16thAPRIL 2024
34	2023-2024	PAPER PRESENTATION	BANDOJU SHIVA KUMAR	I	NARSIMHA REDDY ENGINEERING COLLGE	16thAPRIL 2024
35	2023-2024	PAPER PRESENTATION	KELOTH GURUNATH	I	NARSIMHA REDDY ENGINEERING COLLGE	16thAPRIL 2024
36	2023-2024	DIGITAL DIMENSIONS	SAI CHARAN	I	MALLA REDDY UNIVERSITY	16th & 17 th FEB 2024
37	2023-2024	PENTA HON	BOLLI AKSHITHA	participation	SRM-CHENNAI	14-15 FEBURARY 2024
38	2023-2024	PENTA HON	CHENIMINI SIRI LAKSHMI	participation	SRM-CHENNAI	14-15 FEBURARY 2024
39	2023-2024	PENTA HON	EMMADI MANASWINI	participation	SRM-CHENNAI	14-15 FEBURARY 2024

40	2023-2024	PENTA HON	DURGAM KAVYA	participation	SRM-CHENNAI	14-15 FEBURARY 2024
41	2023-2024	HACKATHON	ALLURI NANDINI	participation	MREC - HYDERABAD	24-26 th JUNE 2024
42	2023-2024	HACKATHON	EGOLAM RAHUL	participation	MREC - HYDERABAD	24-26 th JUNE 2024
43	2023-2024	HACKATHON	SUTRAYE ALEKHYA	participation	MREC - HYDERABAD	24-26 th JUNE 2024
44	2023-2024	HACKATHON	UGGU HARI CHANDANA	participation	MREC - HYDERABAD	24-26 th JUNE 2024
45	2023-2024	HACKATHON	GONDI CHANDANA	participation	MREC - HYDERABAD	24-26 th JUNE 2024
46	2023-2024	VIVITSU 24 HACKATHON	SAI PRAKASH REDDY	participation	GRIET-HYDERABAD	19th& 20th APR 2024
47	2023-2024	VIVITSU 24 HACKATHON	AKSHITHA	participation	GRIET-HYDERABAD	19th& 20th APR 2024
48	2023-2024	VIVITSU 24 HACKATHON	MANASWINI EMMADI	participation	GRIET-HYDERABAD	19th& 20th APR 2024
49	2023-2024	VIVITSU 24 HACKATHON	SREE KANTA VALLABESH	participation	GRIET-HYDERABAD	19th& 20th APR 2024
50	2023-2024	NEO CODEATHON (ALL-INDIA CODING CONTEST FOR NEOPAT SUBSCRIBERS)	THARUN KUMAR POTHANABOINA	2nd position (FEB Month Edition)	ONLINE	25th FEB 2024
51	2023-2024	IDEATHON 2023	GARIPALLI SUPRIYA	Participated	MRCET	11 & 12th AUG 2023
52	2023-2024	MEDHA-2K23-PROJECT EXPO	PUTTA VARSHITHA REDDY	Participated	MRECW	16th SEP 2023
53	2023-2024	ESPIRITO- 2024-CODE GOLF	SIRISHA	Participated	MRCET	2nd &3rd FEB 2024
54	2023-2024	ESPIRITO -2024-PHOTO FIESTA	N. KUSMA	Participated	MRCET	2nd &3rd FEB 2024
55	2022-2023	MEDHA-2K22-C-CODE WARRIORS	V.DURGA DURGA SRI KRISHNA	2nd prize	MRECW	22nd OCT 2022

56	2022-2023	AAVISHKAR-2023	G. SOMASEKAR	Participated	MRCET	27&28th JAN 2023
57	2022-2023	PROJECT EXPO 2K23	SATWIK SAMRAT	2nd place	MRCET	20th APR 2023
58	2022-2023	PROJECT EXPO 2K23	PUTTA VARSHITA	Participated	MRCET	20th APR 2023
59	2022-2023	IGNITE 4.0 TRAINING PROGRAM ON ENTREPRENEURSHIP	CH. SIRI LAKSHMI	Participated	SRI KRISHNADEVARAYA UNIVERSITY-ANANTAPUR	11th NOV to 28th 2022
60	2022-2023	IGNITE 4.0 TRAINING PROGRAM ON ENTREPRENEURSHIP	CH. GAYATHRI	Participated	SRI KRISHNADEVARAYA UNIVERSITY-ANANTAPUR	11th NOV to 28th 2022
61	2022-2023	RAPID HACKS	GARIPALLI SUPRIYA	Participated	INDIRA GANDHI DELHI UNIVERSITY FOR WOMEN	18th & 19th 19 FEB 2023
62	2022-2023	PAPER PRESENTATION	BOLLI AKSHITHA	Participated	NARSIMHA REDDY ENGINEERING COLLGE	08th APR 2023
63	2022-2023	RAPID HACKS	GUTPE VARSHITH	Participated	INDIRA GANDHI DELHI UNIVERSITY FOR WOMEN	18th & 19th 19 FEB 2023
64	2022-2023	PAPER PRESENTATION	M PAVAN KUMAR	Participated	Sri Ramaswamy Memorial Institute of Science and Technology	8th & 9 DEC 2023
65	2022-2023	RAPID HACKS	MOTUPALLI SRIVANI	Participated	INDIRA GANDHI DELHI UNIVERSITY FOR WOMEN	18th & 19th 19 FEB 2023
66	2022-2023	PAPER PRESENTATION	PIYUSH SAMANTA	Participated	Sri Ramaswamy Memorial Institute of Science and Technology	8th & 9 DEC 2023

67	2022-2023	RAPID HACKS	BOLLI AKSHITHA	Participated	INDIRA GANDHI DELHI UNIVERSITY FOR WOMEN	18th & 19th 19 FEB 2023
68	2022-2023	RAPID HACKS	CHINTALA GAYATHRI	Participated	INDIRA GANDHI DELHI UNIVERSITY FOR WOMEN	18th & 19th 19 FEB 2023

Hyderabad, Telangana, India
112-5, Main Road, Maisammaguda, Bhadurpalle, Hyderabad, Telangana 500100, India
Lat 17.561345° Long 78.45441°
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Hyderabad, Telangana, India
HF63+FRP, Maisammaguda, Dulapally, Hyderabad, Telangana 500043, India
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Long 78.454929°
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Google

Fig: 9.7.1 Photos of some activities

Extra-Curricular Activities

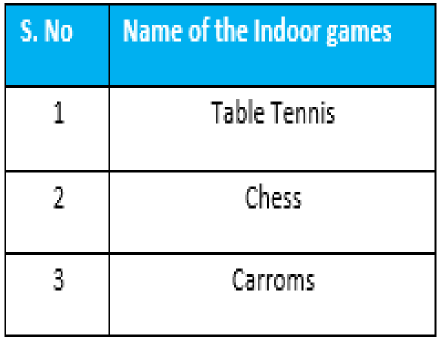
I) SPORTS FACILITY

The department of Physical Education looks after the Games and Sports activities. The department is headed by 3 Male qualified Physical Directors and 2 female Physical instructors with the required infrastructure.

INDOOR GAMES

The college has an exclusive facility for indoor games as shown in the below table

Table 9.7.3 List of Indoor Games

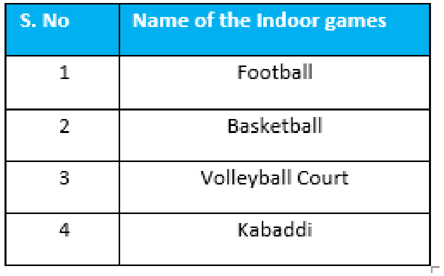


S. No	Name of the Indoor games
1	Table Tennis
2	Chess
3	Carroms

OUTDOOR GAMES

The college also has well developed playgrounds as shown in the below table

Table 9.7.4 List of Outdoor Games



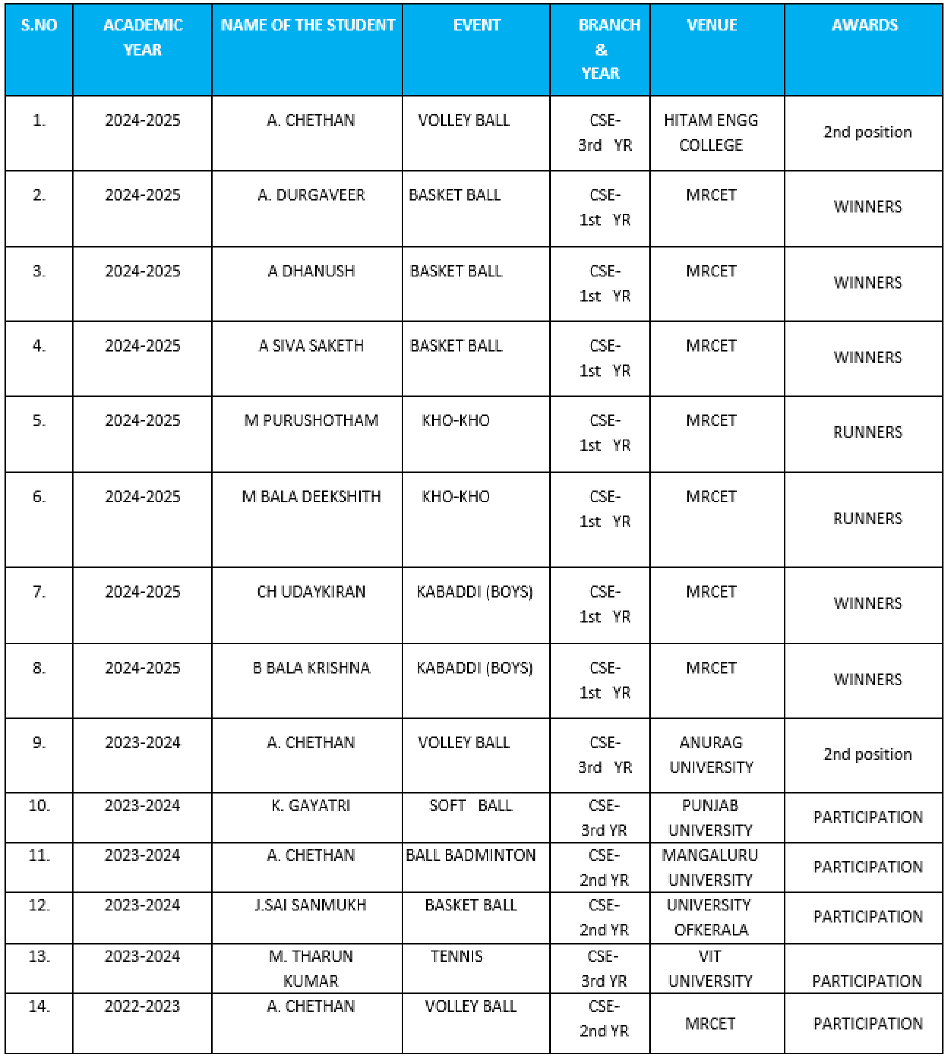
S. No	Name of the Indoor games
1	Football
2	Basketball
3	Volleyball Court
4	Kabaddi

GYMNASIUM:

Gymnasium facility for Boys is provided.

II) SPORTS ACHIEVEMENTS

Table 9.7.5 Sample list of Sports Achievements



S.NO	ACADEMIC YEAR	NAME OF THE STUDENT	EVENT	BRANCH & YEAR	VENUE	AWARDS
1.	2024-2025	A. CHETHAN	VOLLEY BALL	CSE- 3rd YR	HITAM ENGG COLLEGE	2nd position
2.	2024-2025	A. DURGAVEER	BASKET BALL	CSE- 1st YR	MRCET	WINNERS
3.	2024-2025	A DHANUSH	BASKET BALL	CSE- 1st YR	MRCET	WINNERS
4.	2024-2025	A SIVA SAKETH	BASKET BALL	CSE- 1st YR	MRCET	WINNERS
5.	2024-2025	M PURUSHOTHAM	KHO-KHO	CSE- 1st YR	MRCET	RUNNERS
6.	2024-2025	M BALA DEEKSHITH	KHO-KHO	CSE- 1st YR	MRCET	RUNNERS
7.	2024-2025	CH UDAYKIRAN	KABADDI (BOYS)	CSE- 1st YR	MRCET	WINNERS
8.	2024-2025	B BALA KRISHNA	KABADDI (BOYS)	CSE- 1st YR	MRCET	WINNERS
9.	2023-2024	A. CHETHAN	VOLLEY BALL	CSE- 3rd YR	ANURAG UNIVERSITY	2nd position
10.	2023-2024	K. GAYATRI	SOFT BALL	CSE- 3rd YR	PUNJAB UNIVERSITY	PARTICIPATION
11.	2023-2024	A. CHETHAN	BALL BADMINTON	CSE- 2nd YR	MANGALURU UNIVERSITY	PARTICIPATION
12.	2023-2024	J.SAI SANMUKH	BASKET BALL	CSE- 2nd YR	UNIVERSITY OFKERALA	PARTICIPATION
13.	2023-2024	M. THARUN KUMAR	TENNIS	CSE- 3rd YR	VIT UNIVERSITY	PARTICIPATION
14.	2022-2023	A. CHETHAN	VOLLEY BALL	CSE- 2nd YR	MRCET	PARTICIPATION

 VOLLEY BALL MEN RUNNER UP STATE LEVEL TOURNAMENT HELD AT ANURAG UNIVERSITY	 SPORTS BLITZ-2024 HELD AT MRCET-COLLEGE
 COEVAL-2024(KHO-KHO)	 SPORTS BLITZ -2024
 COEVAL-2024 (KABADDI BOYS) AT MRCET COLLEGE	 VOLLEY BALL WOMEN WINNERS STATE LEVEL TOURNAMENT AT HITAM ENGINEERING COLLEGE

Fig 9.7.2 Some of the Glimpses of sports

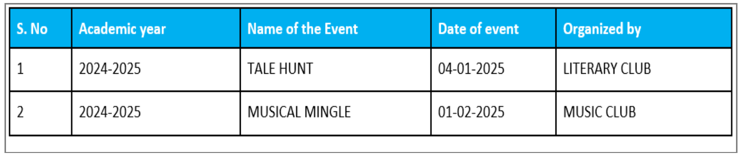
Non-Technical Clubs:

The college has 2 Student clubs

1. Literary Club

2. Music Club

Table 9.7.6 List of Student Club Activities

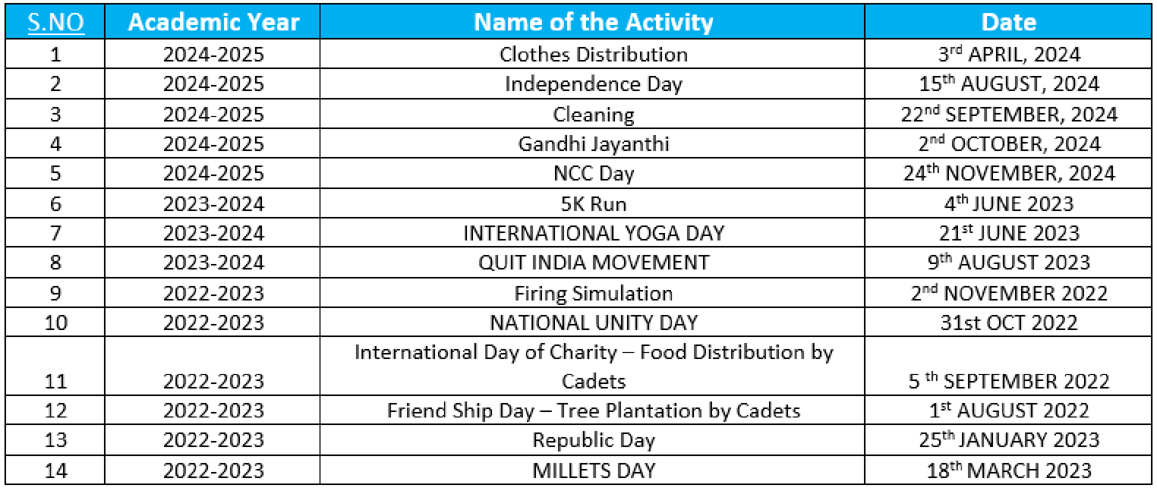


S. No	Academic year	Name of the Event	Date of event	Organized by
1	2024-2025	TALE HUNT	04-01-2025	LITERARY CLUB
2	2024-2025	MUSICAL MINGLE	01-02-2025	MUSIC CLUB

Fig 9.7.3 Sample Glimpses of Student Club Activities

NSS and NCC Events

Table 9.7.7 List of NSS and NCC events

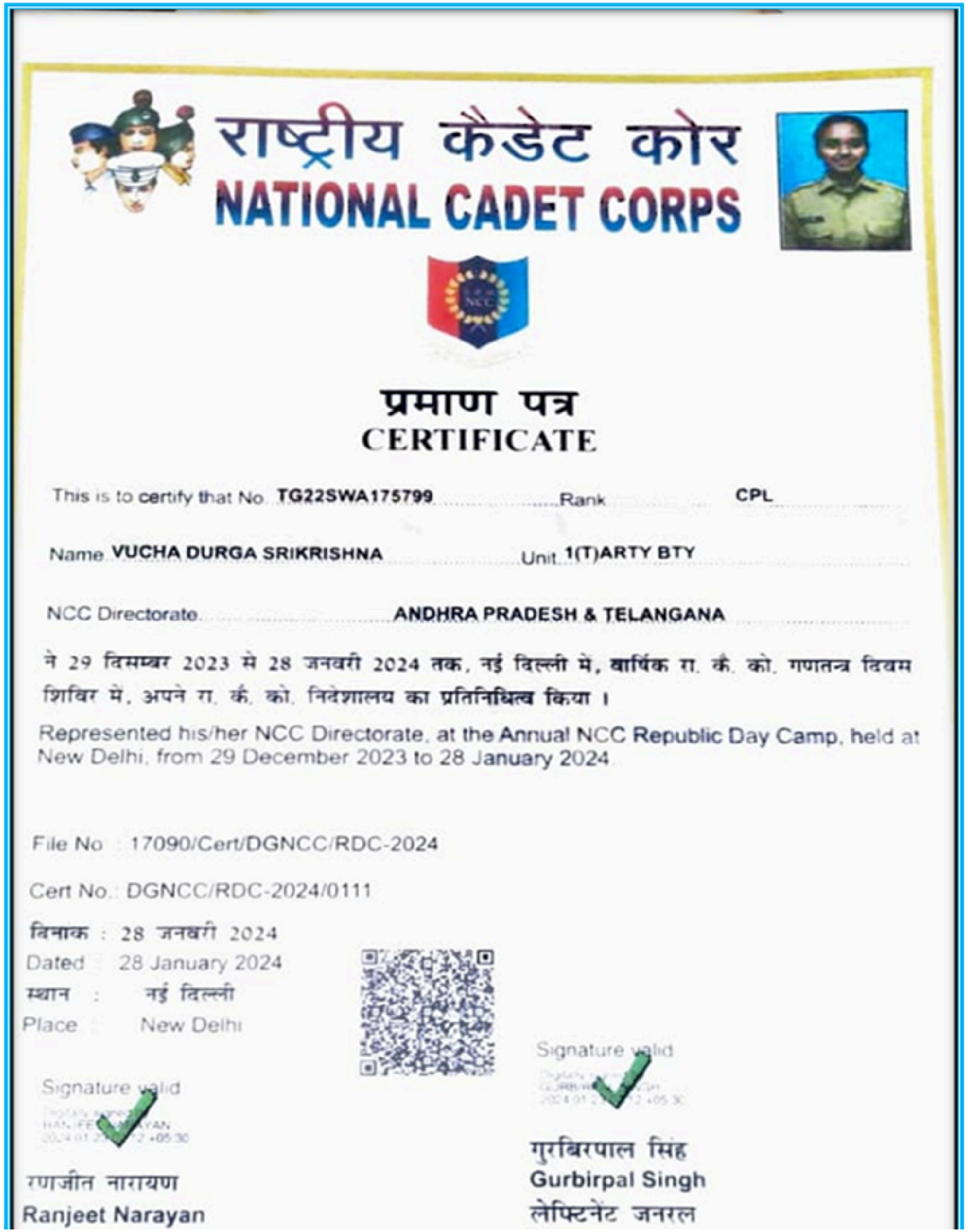


S.NO	Academic Year	Name of the Activity	Date
1	2024-2025	Clothes Distribution	3rd APRIL, 2024
2	2024-2025	Independence Day	15th AUGUST, 2024
3	2024-2025	Cleaning	22nd SEPTEMBER, 2024
4	2024-2025	Gandhi Jayanthi	2nd OCTOBER, 2024
5	2024-2025	NCC Day	24th NOVEMBER, 2024
6	2023-2024	5K Run	4th JUNE 2023
7	2023-2024	INTERNATIONAL YOGA DAY	21st JUNE 2023
8	2023-2024	QUIT INDIA MOVEMENT	9th AUGUST 2023
9	2022-2023	Firing Simulation	2nd NOVEMBER 2022
10	2022-2023	NATIONAL UNITY DAY	31st OCT 2022
11	2022-2023	International Day of Charity – Food Distribution by Cadets	5 th SEPTEMBER 2022
12	2022-2023	Friend Ship Day – Tree Plantation by Cadets	1st AUGUST 2022
13	2022-2023	Republic Day	25th JANUARY 2023
14	2022-2023	MILLETS DAY	18th MARCH 2023

Fig: 9.7.4 Photos of some events

NCC CADET Achievement

One NCC cadet named V Sri Krishna selected and represented as **NCC Directorate at Annual NCC Republic Day Special Camp** held at Delhi from 29-12-2023 to 28-01-2024 .



राष्ट्रीय कैडेट कोर
NATIONAL CADET CORPS

प्रमाण पत्र
CERTIFICATE

This is to certify that No. **TG22SWA175799** Rank **CPL**

Name **VUCHA DURGA SRIKRISHNA** Unit **1(T)ARTY BTY**

NCC Directorate **ANDHRA PRADESH & TELANGANA**

ने 29 दिसम्बर 2023 से 28 जनवरी 2024 तक, नई दिल्ली में, वार्षिक रा. कै. को. गणतन्त्र दिवस शिविर में, अपने रा. कै. को. निदेशालय का प्रतिनिधित्व किया ।

Represented his/her NCC Directorate, at the Annual NCC Republic Day Camp, held at New Delhi, from 29 December 2023 to 28 January 2024.

File No : 17090/Cert/DGNCC/RDC-2024

Cert No.: DGNCC/RDC-2024/0111

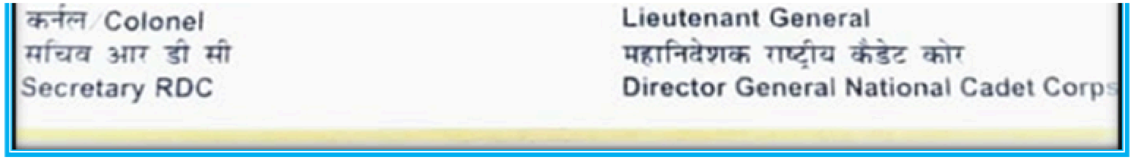
दिनांक : 28 जनवरी 2024
Dated : 28 January 2024
स्थान : नई दिल्ली
Place : New Delhi

Signature valid

रणजीत नारायण
Ranjeet Narayan

Signature valid

गुरबिरपाल सिंह
Gurbirpal Singh
लेफ्टिनेंट जनरल



कर्नल Colonel
सचिव आर डी सी
Secretary RDC

Lieutenant General
महानिदेशक राष्ट्रीय कैडेट कोर
Director General National Cadet Corps

Fig 9.7.5 NSS Cadet Representing NCC Republic Day Special Camp at New Delhi

ANNUAL STUDENT ACTIVITIES

Every year orientation sessions for First Years at institute level and Second year students at programme level have been conducted in the programme, so as First year, Second Year students get familiar with programme activities, policies etc. This benefits them in getting comfortable in MRCET for their academic and other activities.

- **"EXUBERANZA"** is an annual TECHNOCULTURAL FEST organized by MRCET students.
- Freshers Day for Second year Students **"NOVATO"** has been organized in CSE Department by Second year students.
- Every year Intra Mural annual sport Fest have been organized in MRCET named as **"SPORTS BLITZ".**
- Every year Intra MURAL annual sport and Musical Fest have been organized for first years in MRCET named as **"COEVAL".**
- Every year Alumni Meet have been organized for passed out students in MRCET named as **"SMARAN".**
- Farewell function **"SAYONORA"** for final year students has been organized in CSE Department by third year students.
- **"ESPIRITO"** is an annual TECHNOCULTURAL FEST organized by MRCET students in the Department Level.

Fig:9.7.6 Sample glimpses of annual student activities

10 GOVERNANCE, INSTITUTIONAL SUPPORT AND FINANCIAL RESOURCES (120) Total Marks 120.00

10.1 Organization, Governance and Transparency (55) Total Marks 55.00

10.1.1 State the Vision and Mission of the Institute (5)

Institute Marks : 5.00

VISION

To establish a pedestal for the integral innovation, team spirit, originality and competence in the students, expose them to face the global challenges and become pioneers of Indian vision of modern society.

MISSION

- **To become a model institution in the fields of Engineering, Technology and Management.**
- **To impart holistic education to the students to render them as industry ready engineers.**
- **To ensure synchronization of MRCET ideologies with challenging demands of International Pioneering Organizations.**

10.1.2 Availability of the Institutional Strategic Plan and its Effective Implementation and Monitoring (25)

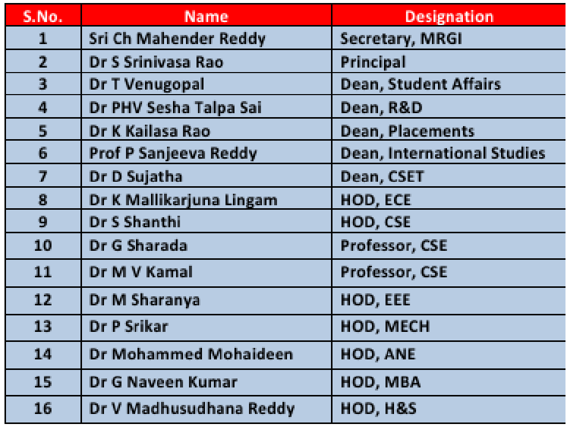
Institute Marks : 25.00

INSTITUTIONAL STRATEGIC PLAN

Higher level Steering committee consisting of Principal, Deans and Senior Professors after in-depth discussions and by considering vision, mission, quality policy, core values, social factor and SWOC analysis established a strategic plan with well defined objectives and mechanism for its effective implementation and monitoring.

The institution constituted a steering committee for effective implementation and monitoring. The committee consists of the following

STEERING COMMITTEE

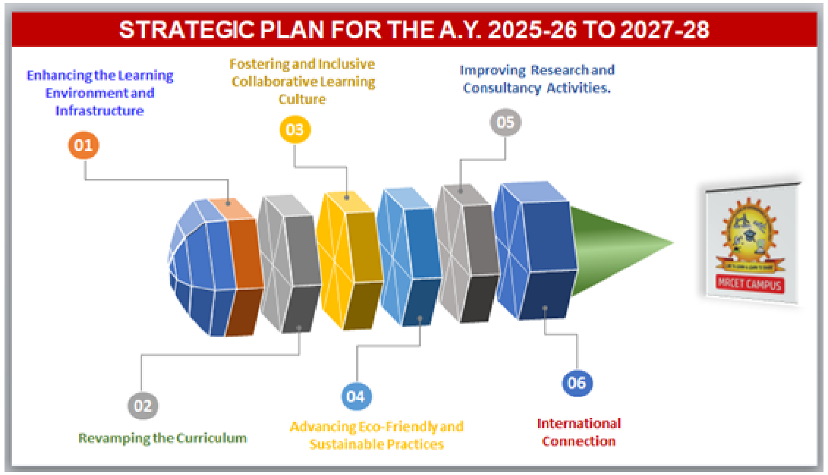


S.No.	Name	Designation
1	Sri Ch Mahender Reddy	Secretary, MRGI
2	Dr S Srinivasa Rao	Principal
3	Dr T Venugopal	Dean, Student Affairs
4	Dr PHV Sesha Talpa Sai	Dean, R&D
5	Dr K Kailasa Rao	Dean, Placements
6	Prof P Sanjeeva Reddy	Dean, International Studies
7	Dr D Sujatha	Dean, CSET
8	Dr K Mallikarjuna Lingam	HOD, ECE
9	Dr S Shanthi	HOD, CSE
10	Dr G Sharada	Professor, CSE
11	Dr M V Kamal	Professor, CSE
12	Dr M Sharanya	HOD, EEE
13	Dr P Srikar	HOD, MECH
14	Dr Mohammed Mohaideen	HOD, ANE
15	Dr G Naveen Kumar	HOD, MBA
16	Dr V Madhusudhana Reddy	HOD, H&S

FUNCTIONS OF THE STEERING COMMITTEE:

- The committee will acquire inputs from all the stake holders of the institution viz., management, faculty, students and parents on a regular basis for effective implementation of the objectives of the strategic plan.
- The committee will monitor the outcomes specified in the strategic plan in order to initiate remedial actions for those outcomes which are below the target level.
- The committee will meet at regular intervals to monitor the progress achieved in the objectives specified in the strategic plan.

STRATEGIC PLAN OBJECTIVES


STRATEGIC PLAN FOR THE A.Y. 2025-26 TO 2027-28
01
Enhancing the Learning Environment and Infrastructure
02
Revamping the Curriculum
03
Fostering and Inclusive Collaborative Learning Culture
04
Advancing Eco-Friendly and Sustainable Practices
05
Improving Research and Consultancy Activities.
06
International Connection
MRCET CAMPUS

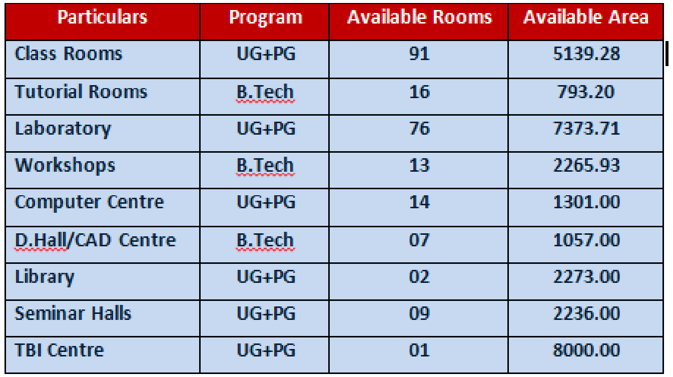
1. Enhancing the Learning Environment and Infrastructure

To enhance a learning environment and infrastructure, the institution has come out with the following:

Creating a comfortable and safe space:

The students and staff are ensured with comfortable and feel safe by providing proper lighting, ventilation, temperature control, and comfortable seating in the class rooms, laboratories, tutorial rooms, auditoriums and at other central facilities.

The following facilities are available in the institution and the details are:



Particulars	Program	Available Rooms	Available Area
Class Rooms	UG+PG	91	5139.28
Tutorial Rooms	B.Tech	16	793.20
Laboratory	UG+PG	76	7373.71
Workshops	B.Tech	13	2265.93
Computer Centre	UG+PG	14	1301.00
D.Hall/CAD Centre	B.Tech	07	1057.00
Library	UG+PG	02	2273.00
Seminar Halls	UG+PG	09	2236.00
TBI Centre	UG+PG	01	8000.00

SALIENT FEATURES – AUDITORIUMS WITH MULTIMEDIA

Providing adequate resources:

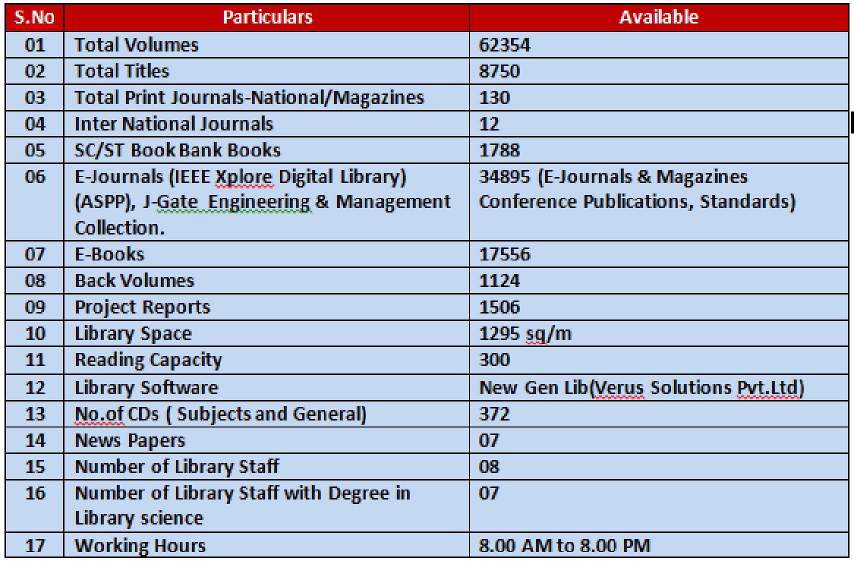
Providing classrooms spacious enough, have the right amount of tables and chairs, and are equipped with smart boards, projectors, and sound systems.

SALIENT FEATURES – Class Rooms with Audio Visual facilities

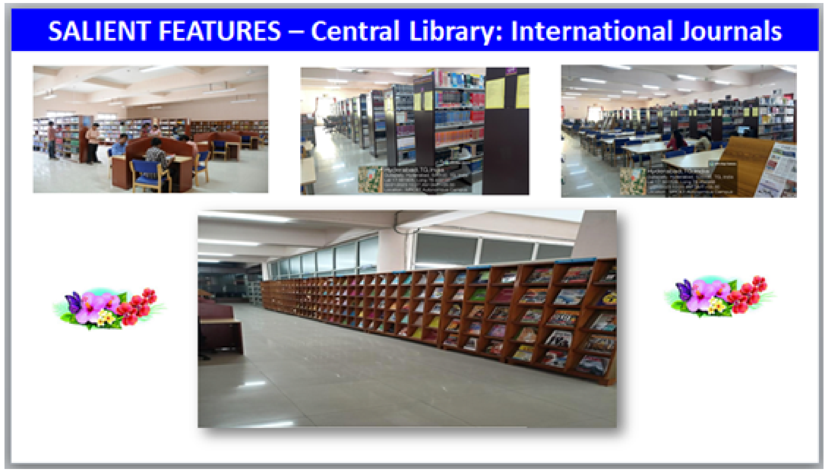
Investing in libraries:

Libraries have adequate titles of books with sufficient volumes, study materials, and reference materials, as well as well-sectioned study areas.

The details of the Institution Central Library are given below:



S.No	Particulars	Available
01	Total Volumes	62354
02	Total Titles	8750
03	Total Print Journals-National/Magazines	130
04	Inter National Journals	12
05	SC/ST Book Bank Books	1788
06	E-Journals (IEEE Xplore Digital Library) (ASPP), J-Gate Engineering & Management Collection.	34895 (E-Journals & Magazines Conference Publications, Standards)
07	E-Books	17556
08	Back Volumes	1124
09	Project Reports	1506
10	Library Space	1295 sq/m
11	Reading Capacity	300
12	Library Software	New Gen Lib(Verus Solutions Pvt.Ltd)
13	No.of CDs (Subjects and General)	372
14	News Papers	07
15	Number of Library Staff	08
16	Number of Library Staff with Degree in Library science	07
17	Working Hours	8.00 AM to 8.00 PM



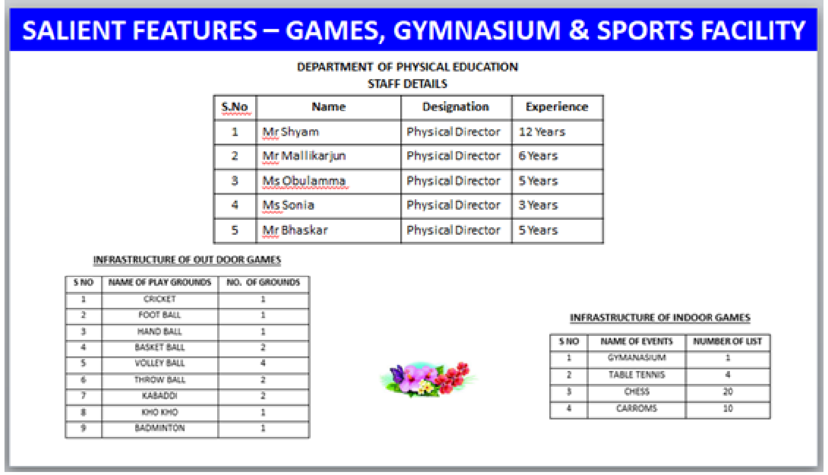
SALIENT FEATURES – Central Library: International Journals

Equip laboratories:

Laboratories have the right tools and equipment for practical subjects, as well as emergency resources like fire extinguishers.

Providing sports facilities:

Extracurricular activities on campus can help with mental and physical growth. Institute is identified as Zone C by the affiliated university JNTUH Hyderabad to organize various Intra and Inter College events.



SALIENT FEATURES – GAMES, GYMNASIUM & SPORTS FACILITY

DEPARTMENT OF PHYSICAL EDUCATION
STAFF DETAILS

S.No	Name	Designation	Experience
1	Mr Shyam	Physical Director	12 Years
2	Mr Mallikarjun	Physical Director	6 Years
3	Ms Obulamma	Physical Director	5 Years
4	Ms Sonia	Physical Director	3 Years
5	Mr Bhaskar	Physical Director	5 Years

INFRASTRUCTURE OF OUT DOOR GAMES

S NO	NAME OF PLAY GROUNDS	NO. OF GROUNDS
1	CRICKET	1
2	FOOT BALL	1
3	HAND BALL	1
4	BASKET BALL	2
5	VOLLEY BALL	4
6	THROW BALL	2
7	KABADDI	2
8	KHO KHO	1
9	BADMINTON	1

INFRASTRUCTURE OF INDOOR GAMES

S NO	NAME OF EVENTS	NUMBER OF LIST
1	GYMANASIUM	1
2	TABLE TENNIS	4
3	CHESS	20
4	CARROMS	10

SALIENT FEATURES – GAMES, GYMNASIUM & SPORTS FACILITY

Prioritize sanitation and hygiene:

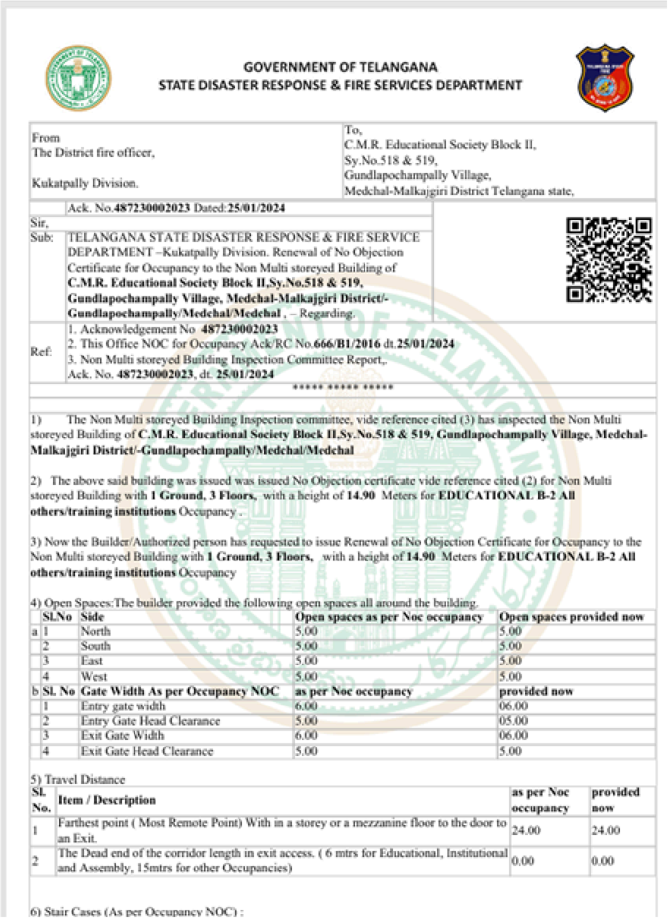
Institute implements WHO-recommended standards for sanitation and hygiene facilities. RO Water Filters are installed in the campus to supply filter water to the students and staff.

GPS Map Camera
Hyderabad, Telangana, India
MRCET, MALLA REDDY COLLEGE, Maisammaguda, Dulapally, Hyderabad, Telangana 500043, India
Lat 17.560242°
Long 78.456592°
07/05/24 12:02 PM GMT +05:30
Google

HONEYPEE
GPS Map Camera
Hyderabad, Telangana, India
518, Maisammaguda, Dulapally, Hyderabad, Telangana 500100, India
Lat 17.560501°
Long 78.455309°
07/05/24 11:57 AM GMT +05:30
Google

Implementation of safety measures:

Institute follows fire safety precautions with required fire safety equipment and emergency exits. The Fire Safety Certificate issued by Telangana Government is given below:



GOVERNMENT OF TELANGANA
STATE DISASTER RESPONSE & FIRE SERVICES DEPARTMENT

From
The District fire officer,

Kukatpally Division.

To,
C.M.R. Educational Society Block II,
Sy.No.518 & 519,
Gundlapochampally Village,
Medchal-Malkajgiri District Telangana state,

Ack. No.**487230002023** Dated:**25/01/2024**

Sir,

Sub: TELANGANA STATE DISASTER RESPONSE & FIRE SERVICE DEPARTMENT –Kukatpally Division. Renewal of No Objection Certificate for Occupancy to the Non Multi storeyed Building of **C.M.R. Educational Society Block II,Sy.No.518 & 519, Gundlapochampally Village, Medchal-Malkajgiri District/-Gundlapochampally/Medchal/Medchal** , – Regarding.

Ref:
1. Acknowledgement No **487230002023**
2. This Office NOC for Occupancy Ack/RC No.**666/B1/2016** dt.**25/01/2024**
3. Non Multi storeyed Building Inspection Committee Report,. Ack. No. **487230002023**, dt. **25/01/2024**

***** ***** *****

1) The Non Multi storeyed Building Inspection committee, vide reference cited (3) has inspected the Non Multi storeyed Building of **C.M.R. Educational Society Block II,Sy.No.518 & 519, Gundlapochampally Village, Medchal-Malkajgiri District/-Gundlapochampally/Medchal/Medchal**

2) The above said building was issued was issued No Objection certificate vide reference cited (2) for Non Multi storeyed Building with **1 Ground, 3 Floors,** with a height of **14.90** Meters for **EDUCATIONAL B-2 All others/training institutions** Occupancy .

3) Now the Builder/Authorized person has requested to issue Renewal of No Objection Certificate for Occupancy to the Non Multi storeyed Building with **1 Ground, 3 Floors,** with a height of **14.90** Meters for **EDUCATIONAL B-2 All others/training institutions** Occupancy

4) Open Spaces:The builder provided the following open spaces all around the building.

	Sl.No	**Side**	**Open spaces as per Noc occupancy**	**Open spaces provided now**
a	1	North	5.00	5.00
	2	South	5.00	5.00
	3	East	5.00	5.00
	4	West	5.00	5.00
b	**Sl. No**	**Gate Width As per Occupancy NOC**	**as per Noc occupancy**	**provided now**
	1	Entry gate width	6.00	06.00
	2	Entry Gate Head Clearance	5.00	05.00
	3	Exit Gate Width	6.00	06.00
	4	Exit Gate Head Clearance	5.00	5.00

5) Travel Distance

Sl. No.	**Item / Description**	**as per Noc occupancy**	**provided now**
1	Farthest point (Most Remote Point) With in a storey or a mezzanine floor to the door to an Exit.	24.00	24.00
2	The Dead end of the corridor length in exit access. (6 mtrs for Educational, Institutional and Assembly, 15mtrs for other Occupancies)	0.00	0.00

6) Stair Cases (As per Occupancy NOC) :

Incorporating emerging technologies:

Using emerging technologies in the campus to create an interactive and modern learning environment both by faculty and students.

Train teachers:

Focus on teacher training to maximize the benefits of available resources.

Infrastructure Development:

To establish technology incubators in all disciplines in active collaboration with IT industry and R & D organizations.

Creation of centers of excellence in all the departments with latest simulation tools and automation systems.

To establish full-fledged residential campus providing state of the art facilities for both the students and faculty.

Separate academic blocks for each department and administration

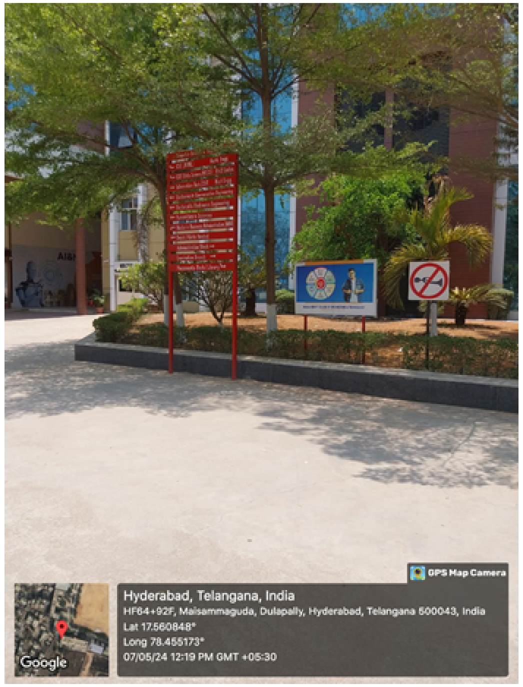
Regular conduction of cultural programs involving ethnic communities - celebration of major national festivals

Motivating students to become members of college clubs and professional societies and to actively participate (2 credit-mandatory).

Improve and augment hostel, sports and recreation facility.

Improve the campus ambiance through proper illumination, beautification and maintaining greenery.

GPS Map Camera
Google
Hyderabad, Telangana, India
HF64+R3P, Maisammaguda, Dulapally, Hyderabad, Telangana 500043, India
Lat 17.562083°
Long 78.455477°
07/05/24 12:17 PM GMT +05:30


GPS Map Camera
Google
Hyderabad, Telangana, India
HF64+92F, Maisammaguda, Dulapally, Hyderabad, Telangana 500043, India
Lat 17.560848°
Long 78.455173°
07/05/24 12:19 PM GMT +05:30

GPS Map Camera
Google
Hyderabad, Telangana, India
518, Maisammaguda, Dulapally, Hyderabad, Telangana 500100, India
Lat 17.560845°
Long 78.455273°
07/05/24 12:20 PM GMT +05:30

2. Revamping the Curriculum

Revamping the curriculum is done for every two years which involves modifying, revising, or updating the content, structure, and delivery.

Some steps that are considered while revamping the curriculum include:

Identifying the need

Defining goals

Designing a plan

Developing content

Delivering instruction

Evaluating the impact

Some strategies for changing a curriculum include:

Power coercive: Involves those in authority mandating changes

Rational empirical: Uses workshops and demonstrations to help teachers see the value of changes

Some ways to make a curriculum more effective include:

Aligning it with the institutes core values

Stating learning objectives

Planning how to present the program

Using high-quality tools

Analyzing and refreshing the approach regularly

Creating an environment that encourages collaboration between classmates

Integrating student voices and knowledge into the learning process

Curriculum modification can help create more accessible learning environments for all students and teachers.

3. Fostering a collaborative and inclusive learning culture

This involves creating a supportive environment where students feel valued and included.

Here are some tips for fostering a collaborative learning culture:

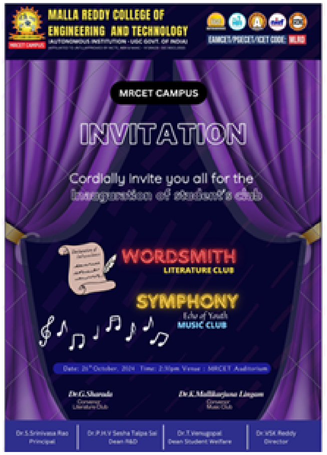
Creating a sense of community:

An encouraging academic environment that is existing will make the students build strong relationships and a sense of belonging when they work together towards common goals.

Promoting diversity and inclusion:

A space is created where every voice is valued and respected. Institute is offering diversity training, establishing anti-discrimination policies, and creating channels for open dialogue both for faculty and students.

MRCET Student Clubs are available where the students have the opportunity to participate in various activities.



MALLA REDDY COLLEGE OF ENGINEERING AND TECHNOLOGY

(AUTONOMOUS INSTITUTION - UGC GOVT. OF INDIA)

MRCET CAMPUS

INVITATION

Cordially Invite you all for the Inauguration of student's club

WORDSMITH LITERATURE CLUB

SYMPHONY Echo of Youth MUSIC CLUB

Date: 21st October, 2024 Time: 2:30pm Venue : MRCET Auditorium

Dr.G.Sharada
Convenor
Literature Club

Dr.K.Mallikarjuna Lingam
Convenor
Music Club

Dr.S.Srinivasa Rao, Principal | Dr.P.H.V Sesha Talpa Sai, Dean R&D | Dr.T.Venugopal, Dean Student Welfare | Dr.VSK Reddy, Director

Encouraging active participation:

Collaborative learning is a training methodology that emphasizes active participation, knowledge sharing, and peer learning. Various training programs, workshops and seminars are organized in the institute for all the departments at various levels which Collaborative Learning is implemented.

Establishing ground rules:

Clear expectations for participation and contributions for co-curricular and extra-curricular activities are well defined.

Planning for group work:

Awareness regarding how groups will operate, how students will be graded, and plan for each stage of group work is informed to students and articulated to all stake holders of the institute.

Fostering a culture of feedback:

Encouraging a culture of feedback and open communication from students and all stake holders at regular intervals of time for the progress of the institution is taken at the end of the semester/academic year whichever is applicable.

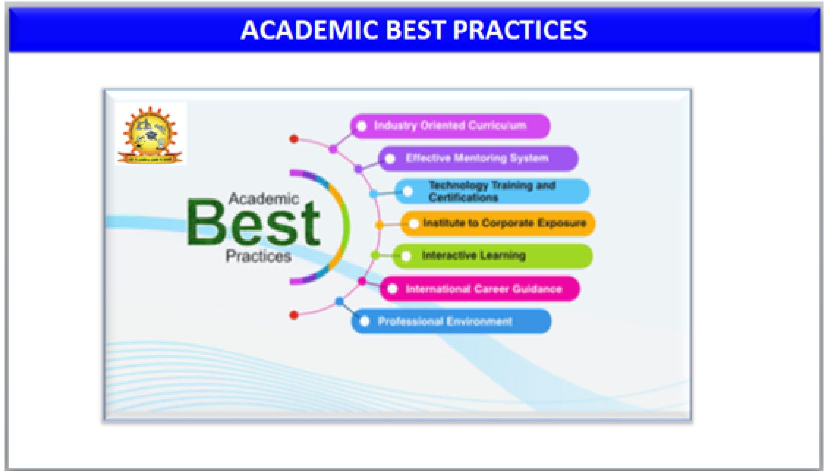
Celebrating wins:

Recognizing and celebrating collaboration and wins of the students and faculty who brought laurels to the institution in various events.

Teaching- Learning Process:-

Institution is according high priority to the teaching-learning process adopted in the college

- Regular conduction of workshops on effective teaching methodologies
- Application and outcome based teaching
- Use of latest assessment and learning tools in all disciplines
- Curriculum upgradation to match with the industry
- Multidisciplinary courses in the curriculum
- Smart classrooms
- E- Learning Tools
- Continue implementation of course redesign initiatives and evaluate them for impact and "best practices."
- Infuse more research and creative activities in courses to improve learning experiences of undergraduate students.
- Increase funding to support current and future transformational initiatives and encourage more faculty participation.
- Starting of online courses offered at the institution.
- Enabling students and faculty to learn German, French and Japanese language. Further, elevating it as mandatory credit course for UG students.



ACADEMIC BEST PRACTICES

Academic Best Practices

- Industry Oriented Curriculum
- Effective Mentoring System
- Technology Training and Certifications
- Institute to Corporate Exposure
- Interactive Learning
- International Career Guidance
- Professional Environment

4. Advancing Eco-Friendly and Sustainable Practices.

Conservation of water

Conserving water can help save money on utilities and reduce the environmental impact.

Usage of energy-efficient lighting

Switching to LED lighting and adjusting lighting settings can reduce power costs.

Awareness camps about usage of recycled materials

Awareness camps are organized to the students to stress upon the importance of using recycled materials in products to minimize carbon footprint.

Awareness about reducing food waste

Awareness about reducing food waste is organized to students which can help advance sustainable practices.

Avoid single-use plastics

Avoiding single-use plastics can help advance sustainable practices. Awareness is brought among students by NSS Unit of the Institution.

Support environmental causes

Supporting environmental causes, sustainable businesses, and voting can help advance sustainable practices

5. Improving Research and Consultancy Activities.

Promoting research

Encouraging students and teachers to do research, and help them understand the resources available for research on campus.

Establish a framework

Providing a framework for students and faculty to get support for their research. Research Incentives will be given as per the guidelines prescribed by the institution.

Raising awareness

Educating students and faculty about research ethics and academic integrity.

Collaborating with clients

Working with clients from different industries to gain new skills, develop connections, and improve business expertise.

Other measurements taken for R&D Activities

- MoUs with higher learning institutions in India & abroad.
- Collaborations with IISC, IITs, TIFR, ISRO, DRDO, NAL, HAL, BEL...etc
- Multi & inter disciplinary research and product development
- Encourage “idea to product” pre-incubation activities
- Establishing incubation centres
- Focus on Product development
- Startup of maker Space (Fab Lab) – Product and development

CENTRE OF EXCELLENCE IN AI-MOU EXCHANGE PROGRAM-INTEL UNNATI

CENTRE OF EXCELLENCE IN ARTIFICIAL INTELLIGENCE
05 AUGUST,2023

CENTRE OF EXCELLENCE IN CYBER SECURITY-MOU EXCHANGE PROGRAM

CENTRE OF EXCELLENCE IN CYBER SECURITY
12-14 OCTOBER,2023

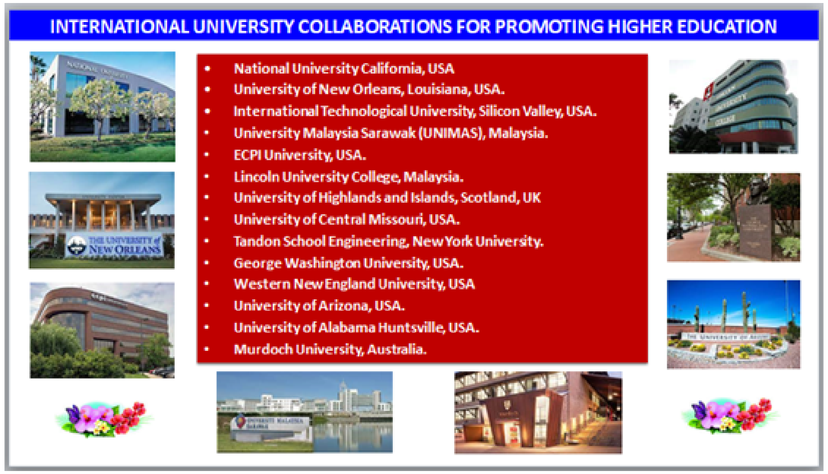
6. International Connection

Institution will invite Professors from reputed Universities for exploring the education system at abroad.

Collaborating with various Universities in India and aboard for creating opportunities for internships and higher education in various specializations.

International Conferences are organized every year in the month of June in association with Springer to provide the platform for teaching faculty, research scholars and industrialists to share their research ideas in various domains.

The glimpses of International Conferences organized are shown below:



INTERNATIONAL UNIVERSITY COLLABORATIONS FOR PROMOTING HIGHER EDUCATION

- National University California, USA
- University of New Orleans, Louisiana, USA.
- International Technological University, Silicon Valley, USA.
- University Malaysia Sarawak (UNIMAS), Malaysia.
- ECPI University, USA.
- Lincoln University College, Malaysia.
- University of Highlands and Islands, Scotland, UK
- University of Central Missouri, USA.
- Tandon School Engineering, New York University.
- George Washington University, USA.
- Western New England University, USA
- University of Arizona, USA.
- University of Alabama Huntsville, USA.
- Murdoch University, Australia.

International Conferences scheduled on June 24-25, 2022 by Engineering and Management

ICSCSP 2K22

MRCET CAMPUS

Springer

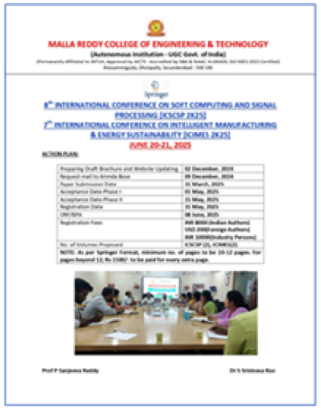
International Conferences scheduled on June 23-24, 2023

Springer
www.icscsp.com
SIXTH
INTERNATIONAL
CONFERENCE
ON SOFT COMPUTING AND SIGNAL PROCESSING
(ICSCSP-2023) JUNE 23-24, 2023
Springer
FIFTH INTERNATIONAL CONFERENCE ON
INTELLIGENT MANUFACTURING AND ENERGY SUSTAINABILITY
June 23-24, 2023
MRCET CAMPUS
Springer

International Conferences scheduled on June 21-22, 2024

www.icscsp.com
Springer
SEVENTH
INTERNATIONAL
CONFERENCE
ON SOFT COMPUTING AND SIGNAL PROCESSING
(ICSCSP-2024) JUNE 21-22, 2024
www.icimes.in
Springer
(ICIMES-2024)
SIXTH INTERNATIONAL CONFERENCE ON
INTELLIGENT MANUFACTURING AND ENERGY SUSTAINABILITY
June 21-22, 2024
MRCET CAMPUS
Springer

(1) International Conferences scheduled on June 20-21, 2025 by Engineering Departments



MALLA REDDY COLLEGE OF ENGINEERING & TECHNOLOGY

(Autonomous Institution - UGC Govt. of India)

8th INTERNATIONAL CONFERENCE ON SOFT COMPUTING AND SIGNAL PROCESSING [ICSCSP 2K25]

7th INTERNATIONAL CONFERENCE ON INTELLIGENT MANUFACTURING & ENERGY SUSTAINABILITY [ICIMES 2K25]

JUNE 20-21, 2025

ACTION PLAN:

Preparing Draft Brochure and Website Updating	02 December, 2024
Request mail to Aninda Bose	09 December, 2024
Paper Submission Date	31 March, 2025
Acceptance Date Phase I	01 May, 2025
Acceptance Date Phase II	15 May, 2025
Registration Date	31 May, 2025
[illegible]	08 June, 2025
Registration Fees	INR 8000 (Indian Authors) USD 200(Foreign Authors) INR 10000(Industry Persons)
No. of Volumes Proposed	ICSCSP (2), ICIMES(2)
NOTE: As per Springer Format, minimum no. of pages to be 10-12 pages. For pages beyond 12, Rs 1500/- to be paid for every extra page.	

Prof P Sanjeeva Reddy

Dr S Srinivasa Rao

www.icscsp.com
Springer
LNNS Series
EIGHTH
INTERNATIONAL
CONFERENCE
ON SOFT COMPUTING AND SIGNAL PROCESSING
(ICSCSP-2025) JUNE 20-21, 2025
Springer
Theme of the Conference:
Important Dates:
Address for Correspondence
MALLA REDDY COLLEGE OF ENGINEERING AND TECHNOLOGY

www.icimes.in
Springer
(ICIMES-2025)
SEVENTH INTERNATIONAL CONFERENCE ON
INTELLIGENT MANUFACTURING AND ENERGY SUSTAINABILITY
June 20-21, 2025
Springer
Theme of the Conference:
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MALLA REDDY COLLEGE OF ENGINEERING & TECHNOLOGY
www.mrcet.ac.in

10.1.3 Governing body, administrative setup, functions of various bodies, service rules, procedures, recruitment and promotional policies (10)

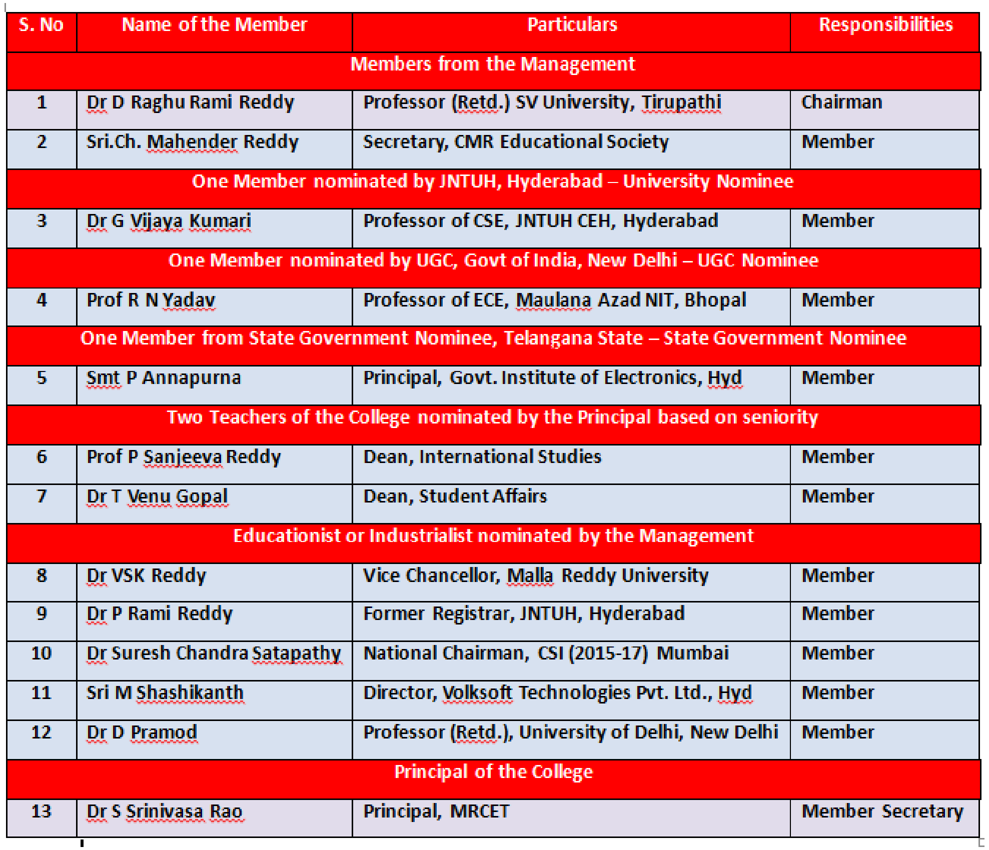
Institute Marks : 10.00

GOVERNING BODY:

The constitution and functioning of Governing Body, which is supreme, are detailed hereunder:

The Governing Body shall have at least eleven members including the Chairman and the Member-Secretary. The Registered Society / Trust shall nominate six members including the Chairman and the Member-Secretary, and the remaining five members shall be nominated as indicated below

COMPOSITION GOVERNING BODY MEMBERS



S. No	Name of the Member	Particulars	Responsibilities
Members from the Management			
1	Dr D Raghu Rami Reddy	Professor (Retd.) SV University, Tirupathi	Chairman
2	Sri.Ch. Mahender Reddy	Secretary, CMR Educational Society	Member
One Member nominated by JNTUH, Hyderabad – University Nominee			
3	Dr G Vijaya Kumari	Professor of CSE, JNTUH CEH, Hyderabad	Member
One Member nominated by UGC, Govt of India, New Delhi – UGC Nominee			
4	Prof R N Yadav	Professor of ECE, Maulana Azad NIT, Bhopal	Member
One Member from State Government Nominee, Telangana State – State Government Nominee			
5	Smt P Annapurna	Principal, Govt. Institute of Electronics, Hyd	Member
Two Teachers of the College nominated by the Principal based on seniority			
6	Prof P Sanjeeva Reddy	Dean, International Studies	Member
7	Dr T Venu Gopal	Dean, Student Affairs	Member
Educationist or Industrialist nominated by the Management			
8	Dr VSK Reddy	Vice Chancellor, Malla Reddy University	Member
9	Dr P Rami Reddy	Former Registrar, JNTUH, Hyderabad	Member
10	Dr Suresh Chandra Satapathy	National Chairman, CSI (2015-17) Mumbai	Member
11	Sri M Shashikanth	Director, Volksoft Technologies Pvt. Ltd., Hyd	Member
12	Dr D Pramod	Professor (Retd.), University of Delhi, New Delhi	Member
Principal of the College			
13	Dr S Srinivasa Rao	Principal, MRCET	Member Secretary

Appointment of Chairman of the Governing Body:

The Chairman of the Governing Body shall preferably be a technical person either an entrepreneur or an industrialist or an educationalist of repute who is interested in the development of technical education, and has demonstrated an interest in promotion of quality education in particular.

Meeting:

The Governing Body/ Board of Management shall meet twice a year.

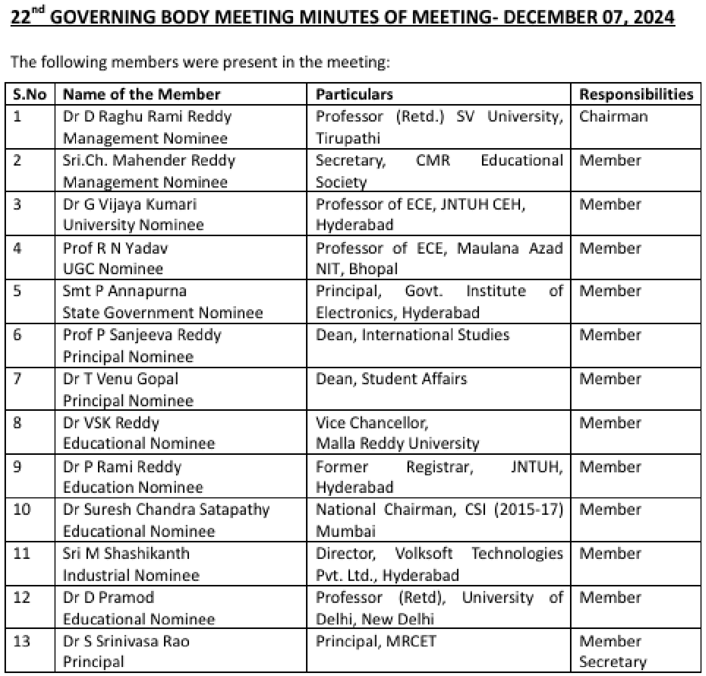
In the absence of the Chairman, the members can elect a Chairman from amongst the members present for that meeting.

Functions:

1. To ratify the decisions of the academic council.
2. Approval of new courses recommended by the academic council

3. To appoint Principal/Director, the teaching and non teaching staff on the recommendations of the selection committees constituted under the relevant regulations of the universities.
4. Scrutinizing and approving the budgetary proposals.
5. Suggesting and approving the student development programs
6. Promoting industry institute partnership cell for student training and placement activities.
7. To monitor and evaluate the teaching programs in the college and suggest remedial measures.
8. To constitute committees, sub committees & standing committees for specific purpose delegating appropriate powers.
9. To perform such other duties and exercise such other powers as may be entrusted by the management.
10. Fix the fees and other charges payable by the students of the college on the recommendations of the Finance Committee.
11. Institute scholarships, fellowships, studentships, medals, prizes and certificates on the recommendations of the Academic Council
12. Approve institution of new programmes of study leading to degrees and/or diplomas.
13. Perform such other functions and institute committees, as may be necessary and deemed fit for the proper development, and fulfill the objectives for which the college has been declared as autonomous.

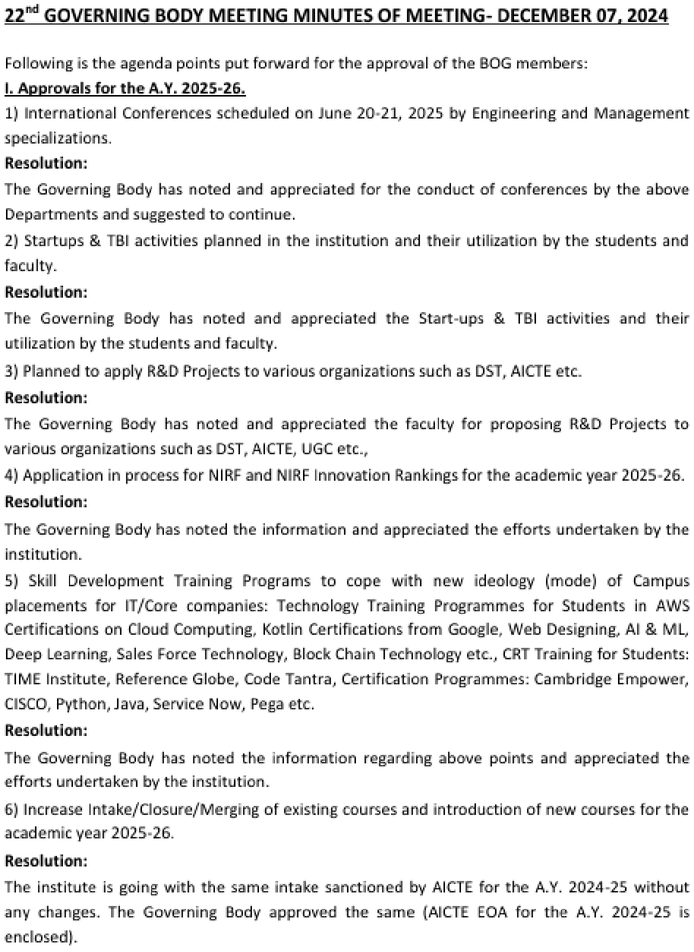
In addition to being the supreme administrative authority of the College, the Governing Body shall have the following additional functions with respect to autonomy.



22nd GOVERNING BODY MEETING MINUTES OF MEETING- DECEMBER 07, 2024

The following members were present in the meeting:

S.No	Name of the Member	Particulars	Responsibilities
1	Dr D Raghu Rami Reddy Management Nominee	Professor (Retd.) SV University, Tirupathi	Chairman
2	Sri.Ch. Mahender Reddy Management Nominee	Secretary, CMR Educational Society	Member
3	Dr G Vijaya Kumari University Nominee	Professor of ECE, JNTUH CEH, Hyderabad	Member
4	Prof R N Yadav UGC Nominee	Professor of ECE, Maulana Azad NIT, Bhopal	Member
5	Smt P Annapurna State Government Nominee	Principal, Govt. Institute of Electronics, Hyderabad	Member
6	Prof P Sanjeeva Reddy Principal Nominee	Dean, International Studies	Member
7	Dr T Venu Gopal Principal Nominee	Dean, Student Affairs	Member
8	Dr VSK Reddy Educational Nominee	Vice Chancellor, Malla Reddy University	Member
9	Dr P Rami Reddy Education Nominee	Former Registrar, JNTUH, Hyderabad	Member
10	Dr Suresh Chandra Satapathy Educational Nominee	National Chairman, CSI (2015-17) Mumbai	Member
11	Sri M Shashikanth Industrial Nominee	Director, Volksoft Technologies Pvt. Ltd., Hyderabad	Member
12	Dr D Pramod Educational Nominee	Professor (Retd), University of Delhi, New Delhi	Member
13	Dr S Srinivasa Rao Principal	Principal, MRCET	Member Secretary



22nd GOVERNING BODY MEETING MINUTES OF MEETING- DECEMBER 07, 2024

Following is the agenda points put forward for the approval of the BOG members:

I. Approvals for the A.Y. 2025-26.

1) International Conferences scheduled on June 20-21, 2025 by Engineering and Management specializations.

Resolution:

The Governing Body has noted and appreciated for the conduct of conferences by the above Departments and suggested to continue.

2) Startups & TBI activities planned in the institution and their utilization by the students and faculty.

Resolution:

The Governing Body has noted and appreciated the Start-ups & TBI activities and their utilization by the students and faculty.

3) Planned to apply R&D Projects to various organizations such as DST, AICTE etc.

Resolution:

The Governing Body has noted and appreciated the faculty for proposing R&D Projects to various organizations such as DST, AICTE, UGC etc.,

4) Application in process for NIRF and NIRF Innovation Rankings for the academic year 2025-26.

Resolution:

The Governing Body has noted the information and appreciated the efforts undertaken by the institution.

5) Skill Development Training Programs to cope with new ideology (mode) of Campus placements for IT/Core companies: Technology Training Programmes for Students in AWS Certifications on Cloud Computing, Kotlin Certifications from Google, Web Designing, AI & ML, Deep Learning, Sales Force Technology, Block Chain Technology etc., CRT Training for Students: TIME Institute, Reference Globe, Code Tantra, Certification Programmes: Cambridge Empower, CISCO, Python, Java, Service Now, Pega etc.

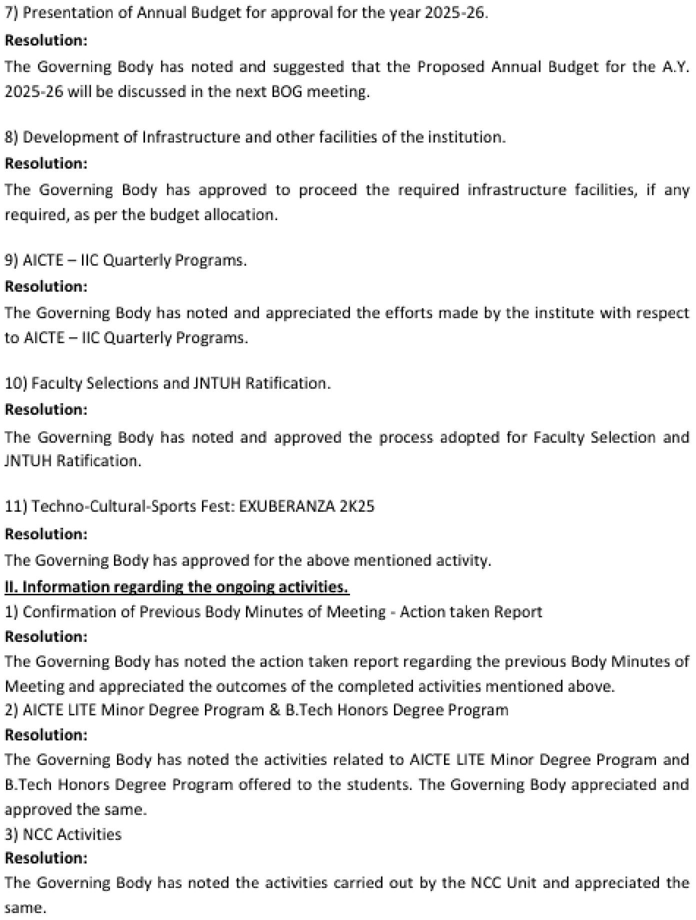
Resolution:

The Governing Body has noted the information regarding above points and appreciated the efforts undertaken by the institution.

6) Increase Intake/Closure/Merging of existing courses and introduction of new courses for the academic year 2025-26.

Resolution:

The institute is going with the same intake sanctioned by AICTE for the A.Y. 2024-25 without any changes. The Governing Body approved the same (AICTE EOA for the A.Y. 2024-25 is enclosed).



7) Presentation of Annual Budget for approval for the year 2025-26.

Resolution:

The Governing Body has noted and suggested that the Proposed Annual Budget for the A.Y. 2025-26 will be discussed in the next BOG meeting.

8) Development of Infrastructure and other facilities of the institution.

Resolution:

The Governing Body has approved to proceed the required infrastructure facilities, if any required, as per the budget allocation.

9) AICTE – IIC Quarterly Programs.

Resolution:

The Governing Body has noted and appreciated the efforts made by the institute with respect to AICTE – IIC Quarterly Programs.

10) Faculty Selections and JNTUH Ratification.

Resolution:

The Governing Body has noted and approved the process adopted for Faculty Selection and JNTUH Ratification.

11) Techno-Cultural-Sports Fest: EXUBERANZA 2K25

Resolution:

The Governing Body has approved for the above mentioned activity.

II. Information regarding the ongoing activities.

1) Confirmation of Previous Body Minutes of Meeting - Action taken Report

Resolution:

The Governing Body has noted the action taken report regarding the previous Body Minutes of Meeting and appreciated the outcomes of the completed activities mentioned above.

2) AICTE LITE Minor Degree Program & B.Tech Honors Degree Program

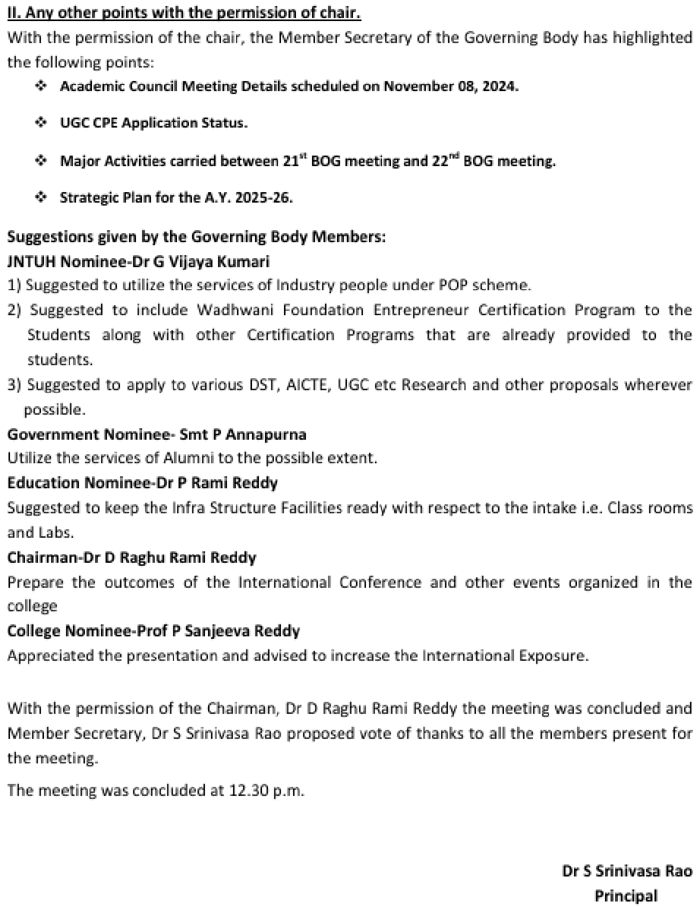
Resolution:

The Governing Body has noted the activities related to AICTE LITE Minor Degree Program and B.Tech Honors Degree Program offered to the students. The Governing Body appreciated and approved the same.

3) NCC Activities

Resolution:

The Governing Body has noted the activities carried out by the NCC Unit and appreciated the same.



II. Any other points with the permission of chair.

With the permission of the chair, the Member Secretary of the Governing Body has highlighted the following points:

- **Academic Council Meeting Details scheduled on November 08, 2024.**
- **UGC CPE Application Status.**
- **Major Activities carried between 21st BOG meeting and 22nd BOG meeting.**
- **Strategic Plan for the A.Y. 2025-26.**

Suggestions given by the Governing Body Members:

JNTUH Nominee-Dr G Vijaya Kumari

1) Suggested to utilize the services of Industry people under POP scheme.
2) Suggested to include Wadhwani Foundation Entrepreneur Certification Program to the Students along with other Certification Programs that are already provided to the students.
3) Suggested to apply to various DST, AICTE, UGC etc Research and other proposals wherever possible.

Government Nominee- Smt P Annapurna

Utilize the services of Alumni to the possible extent.

Education Nominee-Dr P Rami Reddy

Suggested to keep the Infra Structure Facilities ready with respect to the intake i.e. Class rooms and Labs.

Chairman-Dr D Raghu Rami Reddy

Prepare the outcomes of the International Conference and other events organized in the college

College Nominee-Prof P Sanjeeva Reddy

Appreciated the presentation and advised to increase the International Exposure.

With the permission of the Chairman, Dr D Raghu Rami Reddy the meeting was concluded and Member Secretary, Dr S Srinivasa Rao proposed vote of thanks to all the members present for the meeting.

The meeting was concluded at 12.30 p.m.

Dr S Srinivasa Rao
Principal

Academic Council:

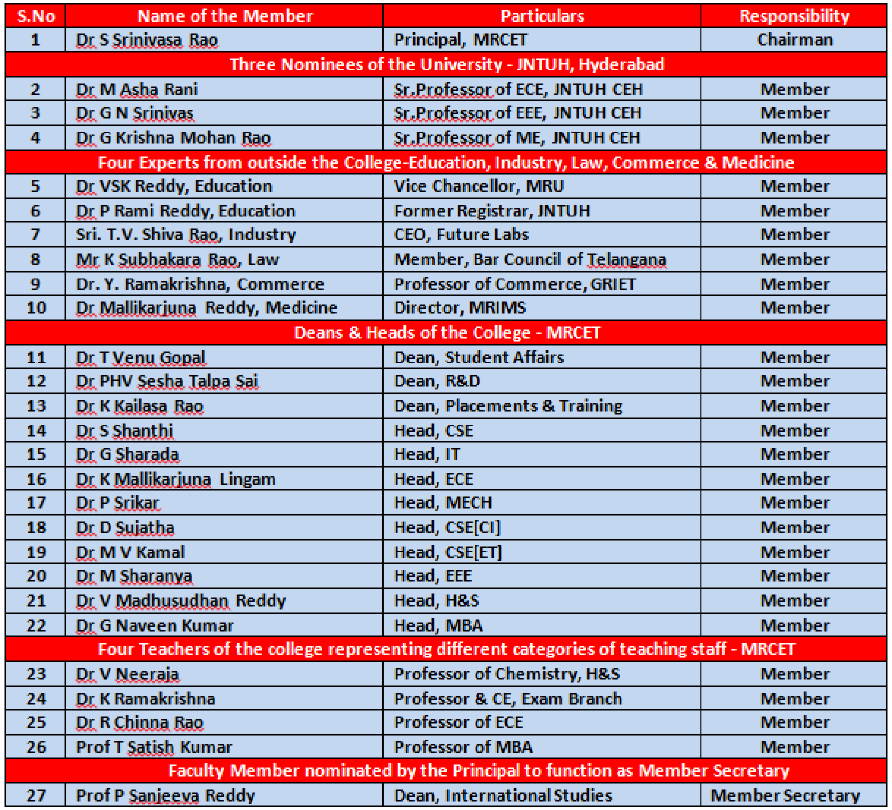
The Academic Council will be solely responsible for all academic matters, such as, framing of academic policy, approval of courses, regulations and syllabi, etc. The Council will involve faculty at all levels and also experts from outside, including representatives of the university and the government. The decisions taken by the Academic Council will not be subject to any further ratification by the Academic Council or other statutory bodies of the university. The composition and functions of the Academic Council are;

Recommended composition of the Academic Council and its functions in an Autonomous college.

The Academic council will be responsible for all academic matters such as framing of academic policy, approval of courses, regulations and syllabi.

Term of Members: 2 years.

Composition



S.No	Name of the Member	Particulars	Responsibility
1	Dr S Srinivasa Rao	Principal, MRCET	Chairman
Three Nominees of the University - JNTUH, Hyderabad			
2	Dr M Asha Rani	Sr.Professor of ECE, JNTUH CEH	Member
3	Dr G N Srinivas	Sr.Professor of EEE, JNTUH CEH	Member
4	Dr G Krishna Mohan Rao	Sr.Professor of ME, JNTUH CEH	Member
Four Experts from outside the College-Education, Industry, Law, Commerce & Medicine			
5	Dr VSK Reddy, Education	Vice Chancellor, MRU	Member
6	Dr P Rami Reddy, Education	Former Registrar, JNTUH	Member
7	Sri. T.V. Shiva Rao, Industry	CEO, Future Labs	Member
8	Mr K Subhakara Rao, Law	Member, Bar Council of Telangana	Member
9	Dr. Y. Ramakrishna, Commerce	Professor of Commerce, GRIET	Member
10	Dr Mallikarjuna Reddy, Medicine	Director, MRIMS	Member
Deans & Heads of the College - MRCET			
11	Dr T Venu Gopal	Dean, Student Affairs	Member
12	Dr PHV Sesha Talpa Sai	Dean, R&D	Member
13	Dr K Kailasa Rao	Dean, Placements & Training	Member
14	Dr S Shanthi	Head, CSE	Member
15	Dr G Sharada	Head, IT	Member
16	Dr K Mallikarjuna Lingam	Head, ECE	Member
17	Dr P Srikar	Head, MECH	Member
18	Dr D Sujatha	Head, CSE[CI]	Member
19	Dr M V Kamal	Head, CSE[ET]	Member
20	Dr M Sharanya	Head, EEE	Member
21	Dr V Madhusudhan Reddy	Head, H&S	Member
22	Dr G Naveen Kumar	Head, MBA	Member
Four Teachers of the college representing different categories of teaching staff - MRCET			
23	Dr V Neeraja	Professor of Chemistry, H&S	Member
24	Dr K Ramakrishna	Professor & CE, Exam Branch	Member
25	Dr R Chinna Rao	Professor of ECE	Member
26	Prof T Satish Kumar	Professor of MBA	Member
Faculty Member nominated by the Principal to function as Member Secretary			
27	Prof P Sanjeeva Reddy	Dean, International Studies	Member Secretary

Meetings: Meeting will be convened once in a year.

I. Scrutinize and approve the proposals with or without modifications with Board of studies with regard to

a. Course study
b. Academic regulations
c. Curricular
d. Syllabi and modifications
e. Methods and procedures for Instructions & evaluations.
f. Academic council when defers on any proposals will return the matter for reconsideration to B.O.S with reasons.

II. Scrutinizing and approving the proposals for

a. Conduct of Examinations.

a. Evaluations & Results declaration and other connected issues like revaluation or modifications.

*When council defers on any proposal, it has a right to return for reconsideration of the examination committee or reject with reasons.

III. Framing procedures for evaluation & examination system.

IV. Make regulations for academic activities i.e teaching learning process, sports, and extracurricular activities.

V. Make regulations for sports, extracurricular activities and proper maintenance of play grounds hostels as per requirements.

VI. Recommending the proposals of new courses to Governing Body.

VII. Recommending for Institutional scholarships, fellowships, Awards, rewards and framing regulations.

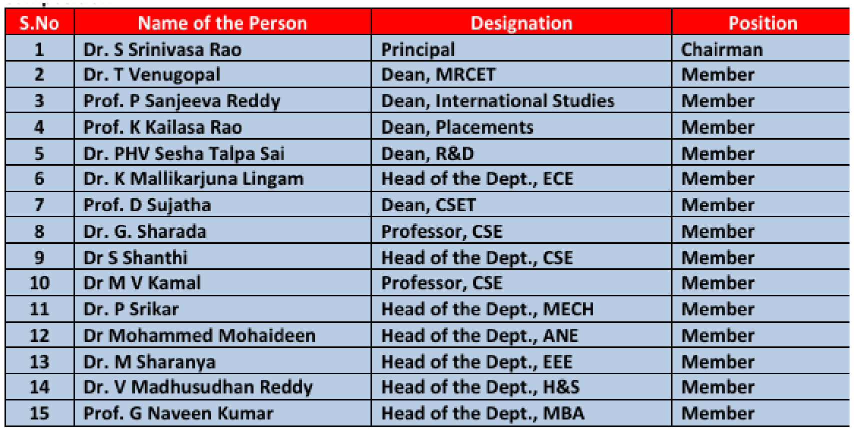
VIII. Advice the Board of Governors on suggestions pertaining to academic affairs.

IX. Perform other functions as may be assigned by the governing Body.

FINANCE COMMITTEE:

The Finance Committee will advise the Governing Body on financial matters and shall meet at least twice a year. The composition and functions of the Finance Committee are

The composition and functions of **Finance committee** are given below



S.No	Name of the Person	Designation	Position
1	Dr. S Srinivasa Rao	Principal	Chairman
2	Dr. T Venugopal	Dean, MRCET	Member
3	Prof. P Sanjeeva Reddy	Dean, International Studies	Member
4	Prof. K Kailasa Rao	Dean, Placements	Member
5	Dr. PHV Sesha Talpa Sai	Dean, R&D	Member
6	Dr. K Mallikarjuna Lingam	Head of the Dept., ECE	Member
7	Prof. D Sujatha	Dean, CSET	Member
8	Dr. G. Sharada	Professor, CSE	Member
9	Dr S Shanthi	Head of the Dept., CSE	Member
10	Dr M V Kamal	Professor, CSE	Member
11	Dr. P Srikar	Head of the Dept., MECH	Member
12	Dr Mohammed Mohaideen	Head of the Dept., ANE	Member
13	Dr. M Sharanya	Head of the Dept., EEE	Member
14	Dr. V Madhusudhan Reddy	Head of the Dept., H&S	Member
15	Prof. G Naveen Kumar	Head of the Dept., MBA	Member

Term of members: 2 Years

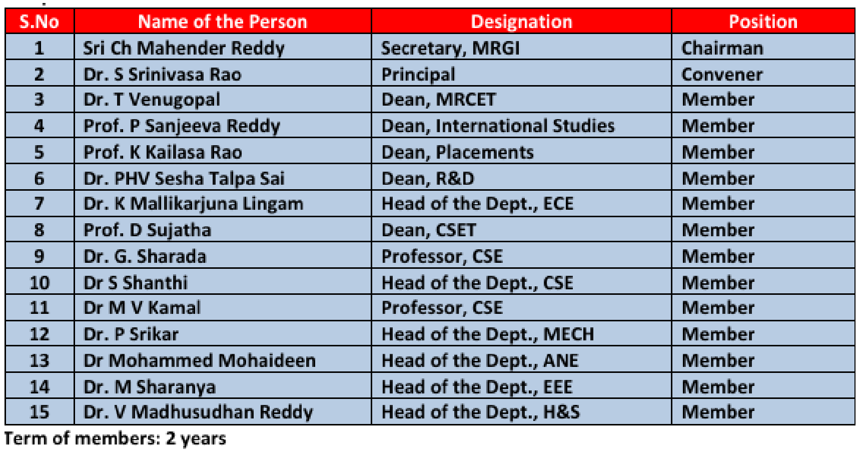
Functions:

Finance Committee will propose the budget of the institution for construction, purchase of equipment, consumables etc., depending upon the finance available. The Committee formulates and approves the budget estimates department-wise for purchase of lab equipments, consumables and non-consumables, year to year. The Committee estimates the probable inflows and outflows for the institution and arrives at the budget.

PLANNING COMMITTEE

The composition and functions of Planning committee are given below

Composition:



S.No	Name of the Person	Designation	Position
1	Sri Ch Mahender Reddy	Secretary, MRGI	Chairman
2	Dr. S Srinivasa Rao	Principal	Convener
3	Dr. T Venugopal	Dean, MRCET	Member
4	Prof. P Sanjeeva Reddy	Dean, International Studies	Member
5	Prof. K Kailasa Rao	Dean, Placements	Member
6	Dr. PHV Sesha Talpa Sai	Dean, R&D	Member
7	Dr. K Mallikarjuna Lingam	Head of the Dept., ECE	Member
8	Prof. D Sujatha	Dean, CSET	Member
9	Dr. G. Sharada	Professor, CSE	Member
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11	Dr M V Kamal	Professor, CSE	Member
12	Dr. P Srikar	Head of the Dept., MECH	Member
13	Dr Mohammed Mohaideen	Head of the Dept., ANE	Member
14	Dr. M Sharanya	Head of the Dept., EEE	Member
15	Dr. V Madhusudhan Reddy	Head of the Dept., H&S	Member

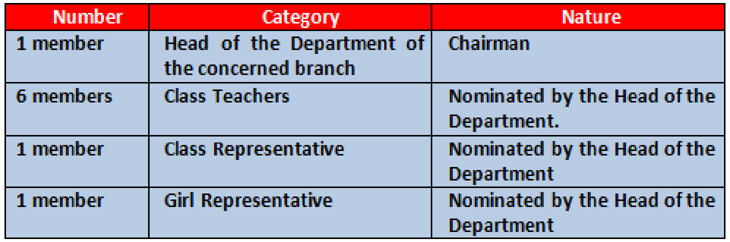
Term of members: 2 years

Functions:

The Planning Committee is very important for establishing a path of progress for the institution from time to time. It should also monitor the progress from time to time. The Committee plans major things such as addition of new UG/PG programme and/or applying for additional intake for the existing programmes. It also plans the building required in the campus as also the need for adding facility to the students to concentrate on their education.

CLASS REVIEW COMMITTEE:

Composition



Number	Category	Nature
1 member	Head of the Department of the concerned branch	Chairman
6 members	Class Teachers	Nominated by the Head of the Department.
1 member	Class Representative	Nominated by the Head of the Department
1 member	Girl Representative	Nominated by the Head of the Department

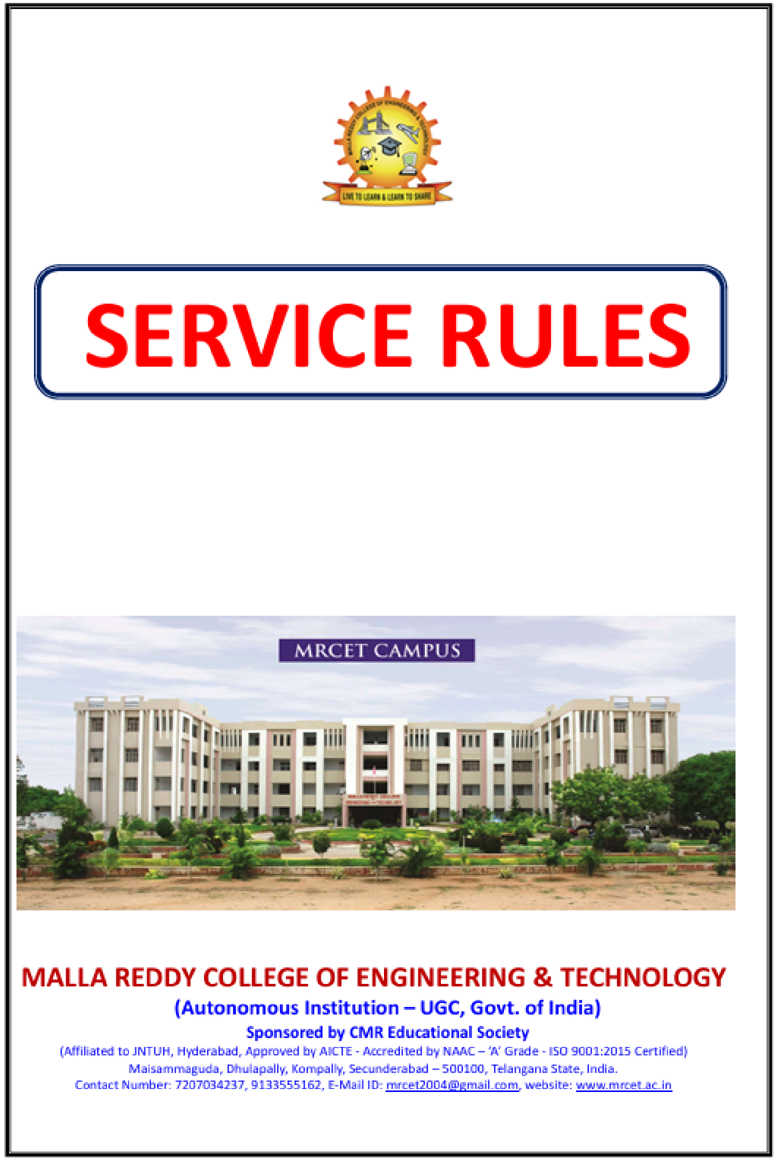
Term of members: One Semester

Functions:

The vital function of this committee is to maintain close rapport with the students. The committee will observe, understand the feelings and discuss difficulties experienced by the students in both teaching and any other matters for finding corrective measures.

The co curricular and extracurricular activities will be discussed with the members for selecting the programs. This enhances the motivation and improves the performance of the students

SERVICE RULES



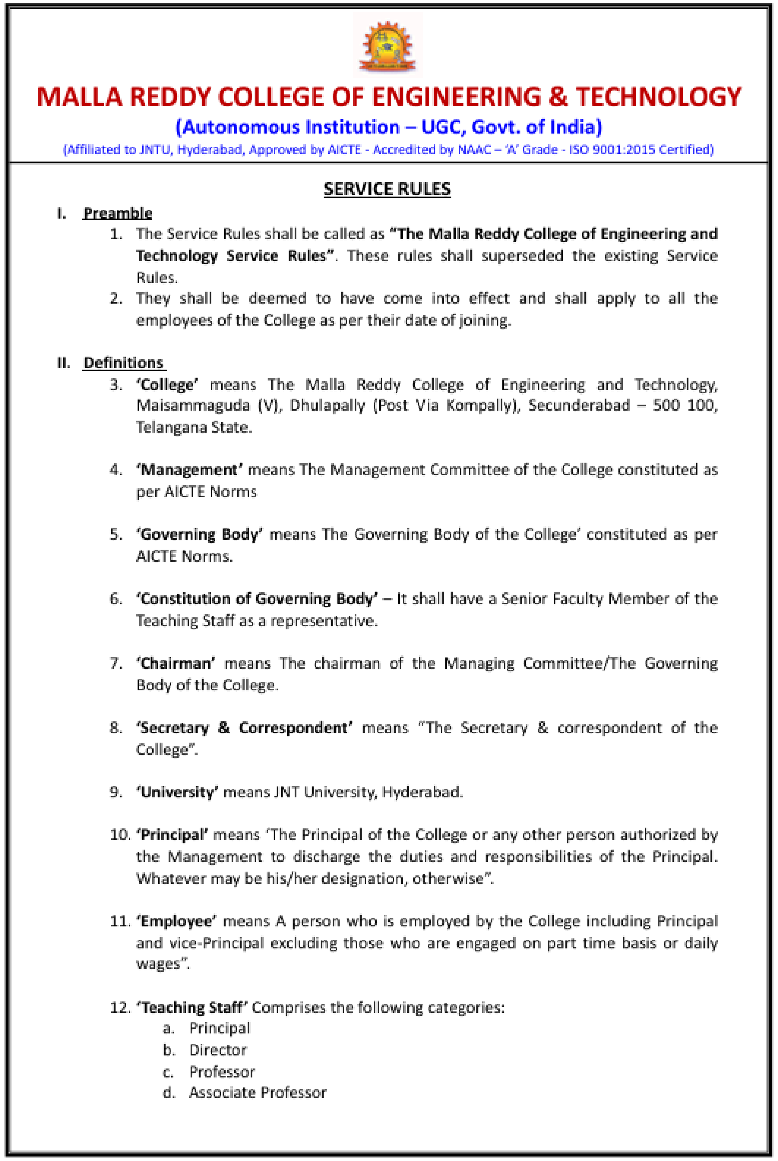
SERVICE RULES

MALLA REDDY COLLEGE OF ENGINEERING & TECHNOLOGY

(Autonomous Institution – UGC, Govt. of India)

Sponsored by CMR Educational Society

(Affiliated to JNTUH, Hyderabad, Approved by AICTE - Accredited by NAAC – 'A' Grade - ISO 9001:2015 Certified)
Maisammaguda, Dhulapally, Kompally, Secunderabad – 500100, Telangana State, India.
Contact Number: 7207034237, 9133555162, E-Mail ID: mrcet2004@gmail.com, website: www.mrcet.ac.in



MALLA REDDY COLLEGE OF ENGINEERING & TECHNOLOGY

(Autonomous Institution – UGC, Govt. of India)

(Affiliated to JNTU, Hyderabad, Approved by AICTE - Accredited by NAAC – 'A' Grade - ISO 9001:2015 Certified)

SERVICE RULES

I. Preamble

1. The Service Rules shall be called as **"The Malla Reddy College of Engineering and Technology Service Rules"**. These rules shall superseded the existing Service Rules.
2. They shall be deemed to have come into effect and shall apply to all the employees of the College as per their date of joining.

II. Definitions

3. **'College'** means The Malla Reddy College of Engineering and Technology, Maisammaguda (V), Dhulapally (Post Via Kompally), Secunderabad – 500 100, Telangana State.

4. **'Management'** means The Management Committee of the College constituted as per AICTE Norms

5. **'Governing Body'** means The Governing Body of the College' constituted as per AICTE Norms.

6. **'Constitution of Governing Body'** – It shall have a Senior Faculty Member of the Teaching Staff as a representative.

7. **'Chairman'** means The chairman of the Managing Committee/The Governing Body of the College.

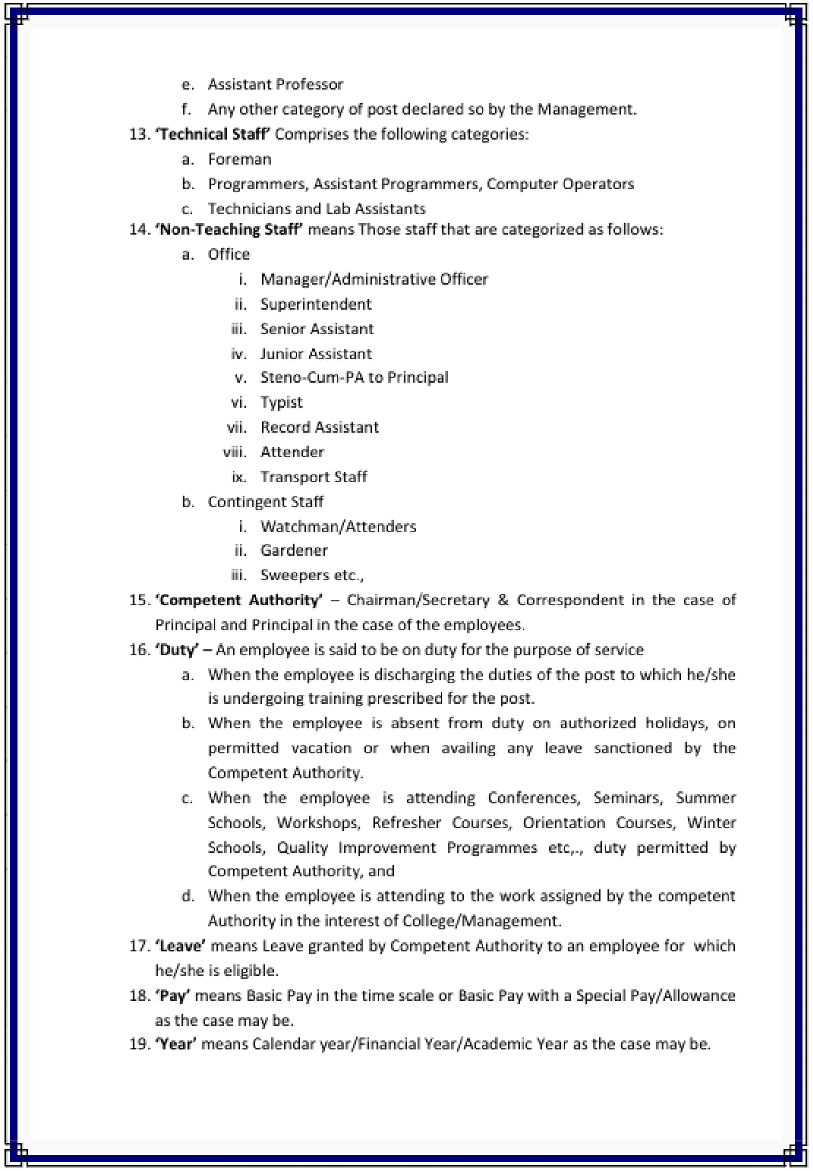
8. **'Secretary & Correspondent'** means "The Secretary & correspondent of the College".

9. **'University'** means JNT University, Hyderabad.

10. **'Principal'** means 'The Principal of the College or any other person authorized by the Management to discharge the duties and responsibilities of the Principal. Whatever may be his/her designation, otherwise".

11. **'Employee'** means A person who is employed by the College including Principal and vice-Principal excluding those who are engaged on part time basis or daily wages".

12. **'Teaching Staff'** Comprises the following categories:
    a. Principal
    b. Director
    c. Professor
    d. Associate Professor



  e. Assistant Professor
  f. Any other category of post declared so by the Management.

13. **'Technical Staff'** Comprises the following categories:
  a. Foreman
  b. Programmers, Assistant Programmers, Computer Operators
  c. Technicians and Lab Assistants

14. **'Non-Teaching Staff'** means Those staff that are categorized as follows:
  a. Office
    i. Manager/Administrative Officer
    ii. Superintendent
    iii. Senior Assistant
    iv. Junior Assistant
    v. Steno-Cum-PA to Principal
    vi. Typist
    vii. Record Assistant
    viii. Attender
    ix. Transport Staff
  b. Contingent Staff
    i. Watchman/Attenders
    ii. Gardener
    iii. Sweepers etc.,

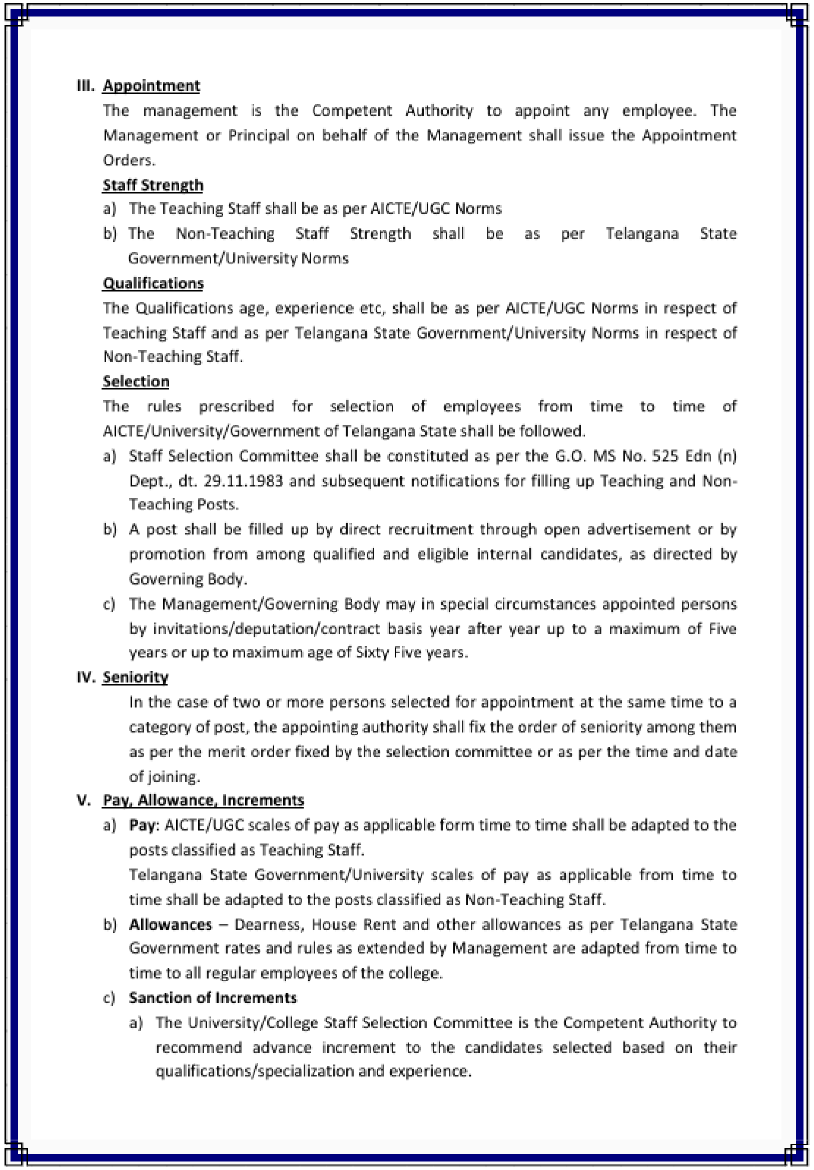
15. **'Competent Authority'** – Chairman/Secretary & Correspondent in the case of Principal and Principal in the case of the employees.

16. **'Duty'** – An employee is said to be on duty for the purpose of service
  a. When the employee is discharging the duties of the post to which he/she is undergoing training prescribed for the post.
  b. When the employee is absent from duty on authorized holidays, on permitted vacation or when availing any leave sanctioned by the Competent Authority.
  c. When the employee is attending Conferences, Seminars, Summer Schools, Workshops, Refresher Courses, Orientation Courses, Winter Schools, Quality Improvement Programmes etc,., duty permitted by Competent Authority, and
  d. When the employee is attending to the work assigned by the competent Authority in the interest of College/Management.

17. **'Leave'** means Leave granted by Competent Authority to an employee for which he/she is eligible.

18. **'Pay'** means Basic Pay in the time scale or Basic Pay with a Special Pay/Allowance as the case may be.

19. **'Year'** means Calendar year/Financial Year/Academic Year as the case may be.



III. Appointment

The management is the Competent Authority to appoint any employee. The Management or Principal on behalf of the Management shall issue the Appointment Orders.

Staff Strength

a) The Teaching Staff shall be as per AICTE/UGC Norms
b) The Non-Teaching Staff Strength shall be as per Telangana State Government/University Norms

Qualifications

The Qualifications age, experience etc, shall be as per AICTE/UGC Norms in respect of Teaching Staff and as per Telangana State Government/University Norms in respect of Non-Teaching Staff.

Selection

The rules prescribed for selection of employees from time to time of AICTE/University/Government of Telangana State shall be followed.

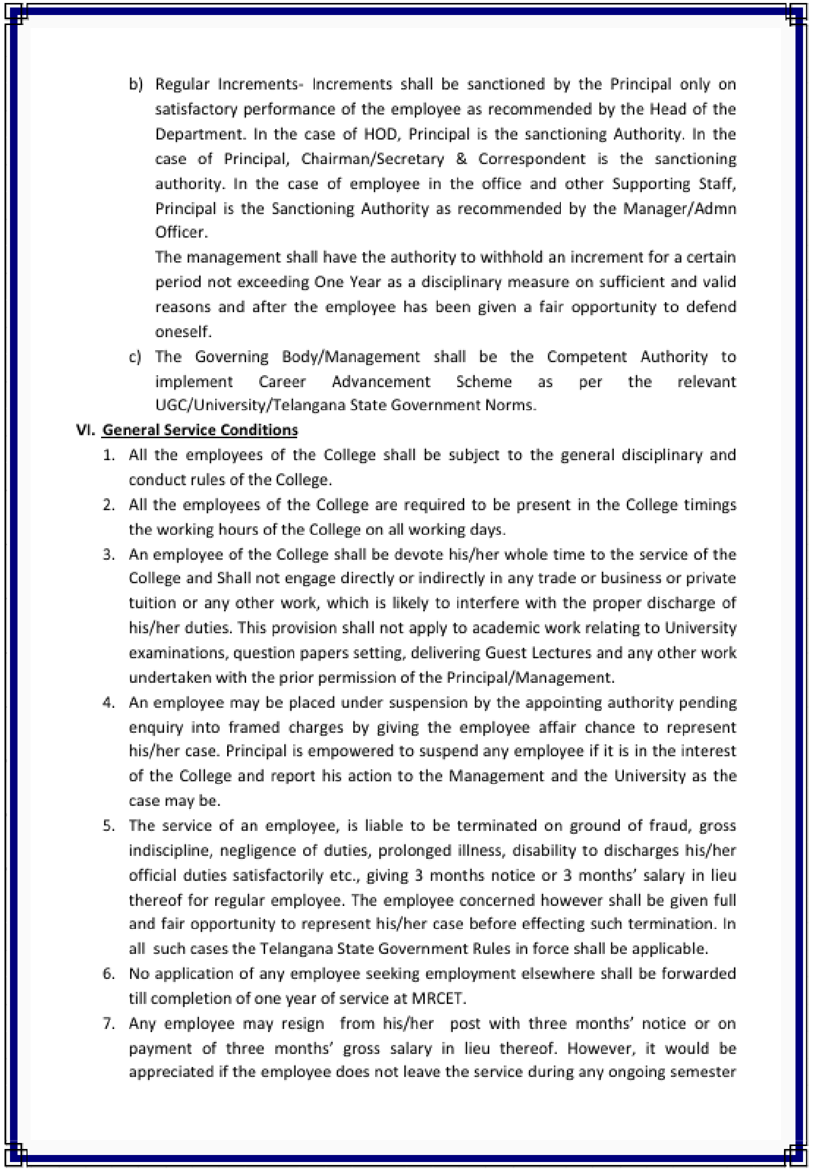
a) Staff Selection Committee shall be constituted as per the G.O. MS No. 525 Edn (n) Dept., dt. 29.11.1983 and subsequent notifications for filling up Teaching and Non-Teaching Posts.
b) A post shall be filled up by direct recruitment through open advertisement or by promotion from among qualified and eligible internal candidates, as directed by Governing Body.
c) The Management/Governing Body may in special circumstances appointed persons by invitations/deputation/contract basis year after year up to a maximum of Five years or up to maximum age of Sixty Five years.

IV. Seniority

In the case of two or more persons selected for appointment at the same time to a category of post, the appointing authority shall fix the order of seniority among them as per the merit order fixed by the selection committee or as per the time and date of joining.

V. Pay, Allowance, Increments

a) **Pay**: AICTE/UGC scales of pay as applicable form time to time shall be adapted to the posts classified as Teaching Staff.
   Telangana State Government/University scales of pay as applicable from time to time shall be adapted to the posts classified as Non-Teaching Staff.
b) **Allowances** – Dearness, House Rent and other allowances as per Telangana State Government rates and rules as extended by Management are adapted from time to time to all regular employees of the college.
c) **Sanction of Increments**
   a) The University/College Staff Selection Committee is the Competent Authority to recommend advance increment to the candidates selected based on their qualifications/specialization and experience.



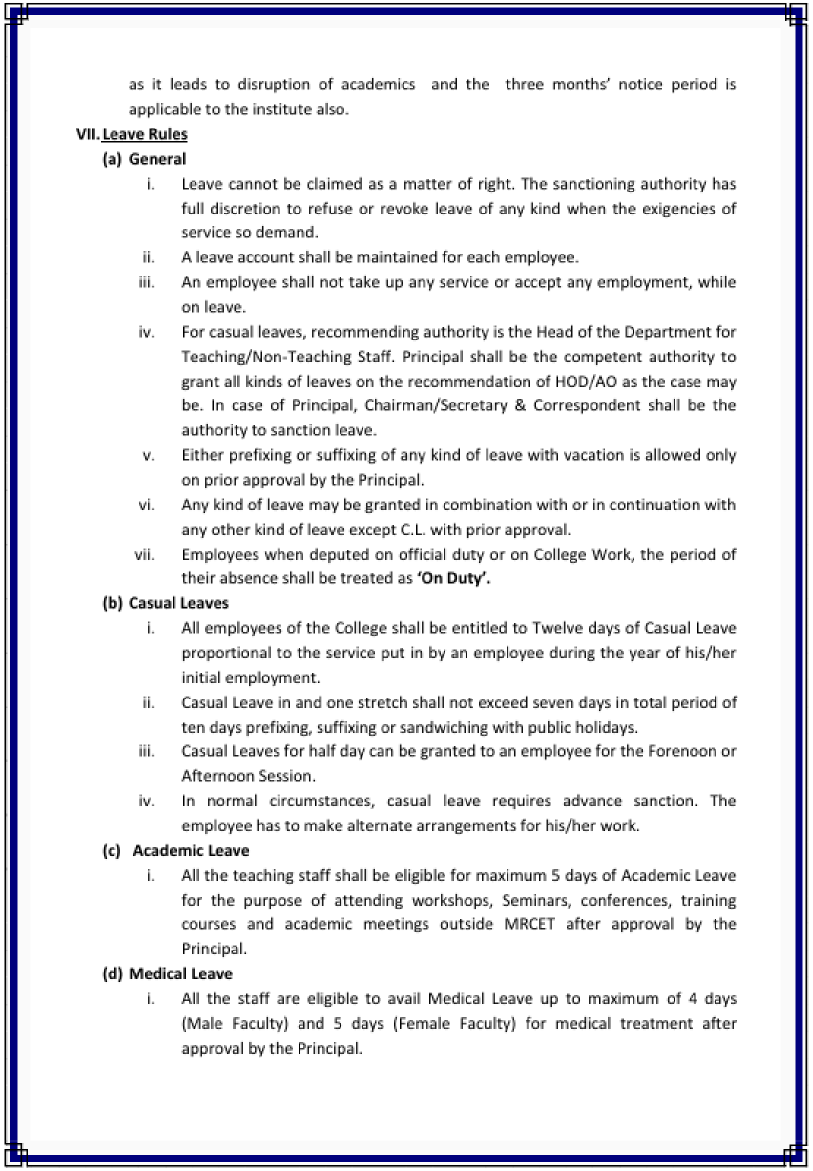
b) Regular Increments- Increments shall be sanctioned by the Principal only on satisfactory performance of the employee as recommended by the Head of the Department. In the case of HOD, Principal is the sanctioning Authority. In the case of Principal, Chairman/Secretary & Correspondent is the sanctioning authority. In the case of employee in the office and other Supporting Staff, Principal is the Sanctioning Authority as recommended by the Manager/Admn Officer.

The management shall have the authority to withhold an increment for a certain period not exceeding One Year as a disciplinary measure on sufficient and valid reasons and after the employee has been given a fair opportunity to defend oneself.

c) The Governing Body/Management shall be the Competent Authority to implement Career Advancement Scheme as per the relevant UGC/University/Telangana State Government Norms.

VI. <u>General Service Conditions</u>

1. All the employees of the College shall be subject to the general disciplinary and conduct rules of the College.
2. All the employees of the College are required to be present in the College timings the working hours of the College on all working days.
3. An employee of the College shall be devote his/her whole time to the service of the College and Shall not engage directly or indirectly in any trade or business or private tuition or any other work, which is likely to interfere with the proper discharge of his/her duties. This provision shall not apply to academic work relating to University examinations, question papers setting, delivering Guest Lectures and any other work undertaken with the prior permission of the Principal/Management.
4. An employee may be placed under suspension by the appointing authority pending enquiry into framed charges by giving the employee affair chance to represent his/her case. Principal is empowered to suspend any employee if it is in the interest of the College and report his action to the Management and the University as the case may be.
5. The service of an employee, is liable to be terminated on ground of fraud, gross indiscipline, negligence of duties, prolonged illness, disability to discharges his/her official duties satisfactorily etc., giving 3 months notice or 3 months' salary in lieu thereof for regular employee. The employee concerned however shall be given full and fair opportunity to represent his/her case before effecting such termination. In all such cases the Telangana State Government Rules in force shall be applicable.
6. No application of any employee seeking employment elsewhere shall be forwarded till completion of one year of service at MRCET.
7. Any employee may resign from his/her post with three months' notice or on payment of three months' gross salary in lieu thereof. However, it would be appreciated if the employee does not leave the service during any ongoing semester



as it leads to disruption of academics and the three months' notice period is applicable to the institute also.

VII. Leave Rules

(a) General

i. Leave cannot be claimed as a matter of right. The sanctioning authority has full discretion to refuse or revoke leave of any kind when the exigencies of service so demand.

ii. A leave account shall be maintained for each employee.

iii. An employee shall not take up any service or accept any employment, while on leave.

iv. For casual leaves, recommending authority is the Head of the Department for Teaching/Non-Teaching Staff. Principal shall be the competent authority to grant all kinds of leaves on the recommendation of HOD/AO as the case may be. In case of Principal, Chairman/Secretary & Correspondent shall be the authority to sanction leave.

v. Either prefixing or suffixing of any kind of leave with vacation is allowed only on prior approval by the Principal.

vi. Any kind of leave may be granted in combination with or in continuation with any other kind of leave except C.L. with prior approval.

vii. Employees when deputed on official duty or on College Work, the period of their absence shall be treated as **'On Duty'.**

(b) Casual Leaves

i. All employees of the College shall be entitled to Twelve days of Casual Leave proportional to the service put in by an employee during the year of his/her initial employment.

ii. Casual Leave in and one stretch shall not exceed seven days in total period of ten days prefixing, suffixing or sandwiching with public holidays.

iii. Casual Leaves for half day can be granted to an employee for the Forenoon or Afternoon Session.

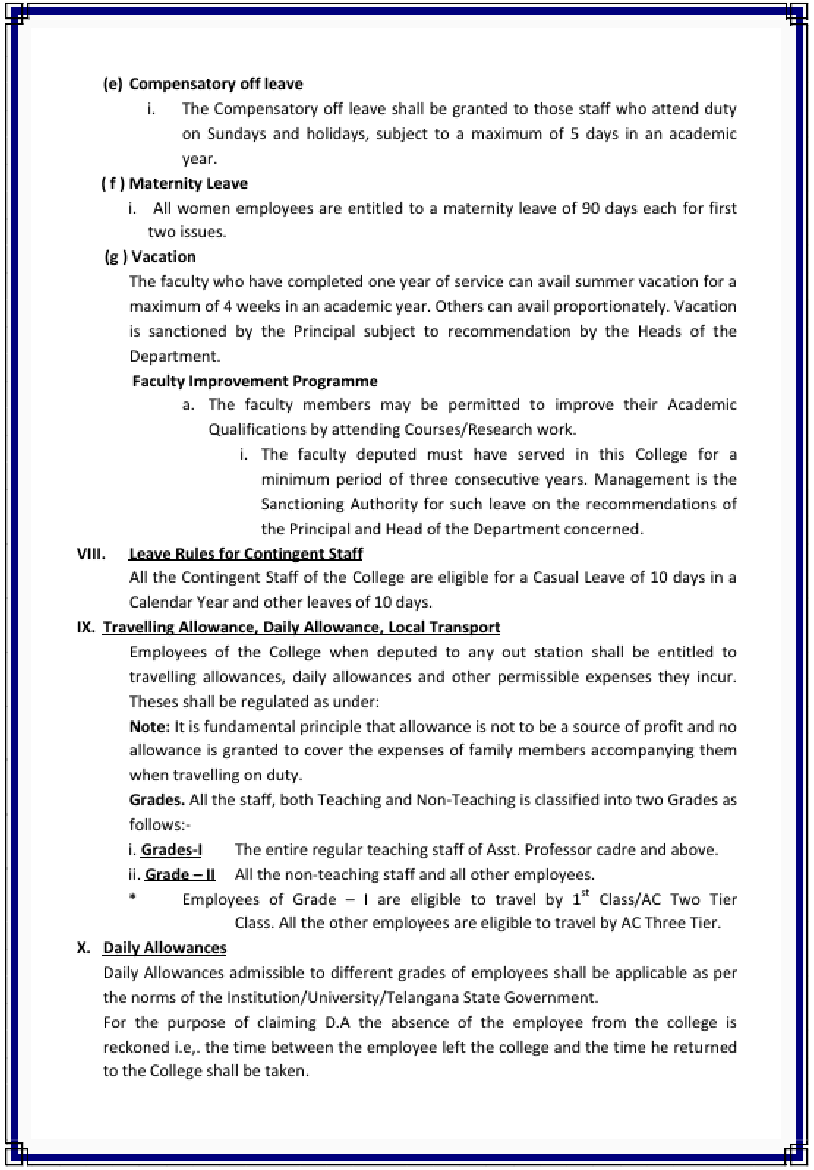
iv. In normal circumstances, casual leave requires advance sanction. The employee has to make alternate arrangements for his/her work.

(c) Academic Leave

i. All the teaching staff shall be eligible for maximum 5 days of Academic Leave for the purpose of attending workshops, Seminars, conferences, training courses and academic meetings outside MRCET after approval by the Principal.

(d) Medical Leave

i. All the staff are eligible to avail Medical Leave up to maximum of 4 days (Male Faculty) and 5 days (Female Faculty) for medical treatment after approval by the Principal.



(e) Compensatory off leave

i. The Compensatory off leave shall be granted to those staff who attend duty on Sundays and holidays, subject to a maximum of 5 days in an academic year.

(f) Maternity Leave

i. All women employees are entitled to a maternity leave of 90 days each for first two issues.

(g) Vacation

The faculty who have completed one year of service can avail summer vacation for a maximum of 4 weeks in an academic year. Others can avail proportionately. Vacation is sanctioned by the Principal subject to recommendation by the Heads of the Department.

Faculty Improvement Programme

a. The faculty members may be permitted to improve their Academic Qualifications by attending Courses/Research work.
    i. The faculty deputed must have served in this College for a minimum period of three consecutive years. Management is the Sanctioning Authority for such leave on the recommendations of the Principal and Head of the Department concerned.

VIII. **Leave Rules for Contingent Staff**

All the Contingent Staff of the College are eligible for a Casual Leave of 10 days in a Calendar Year and other leaves of 10 days.

IX. **Travelling Allowance, Daily Allowance, Local Transport**

Employees of the College when deputed to any out station shall be entitled to travelling allowances, daily allowances and other permissible expenses they incur. Theses shall be regulated as under:

Note: It is fundamental principle that allowance is not to be a source of profit and no allowance is granted to cover the expenses of family members accompanying them when travelling on duty.

Grades. All the staff, both Teaching and Non-Teaching is classified into two Grades as follows:-

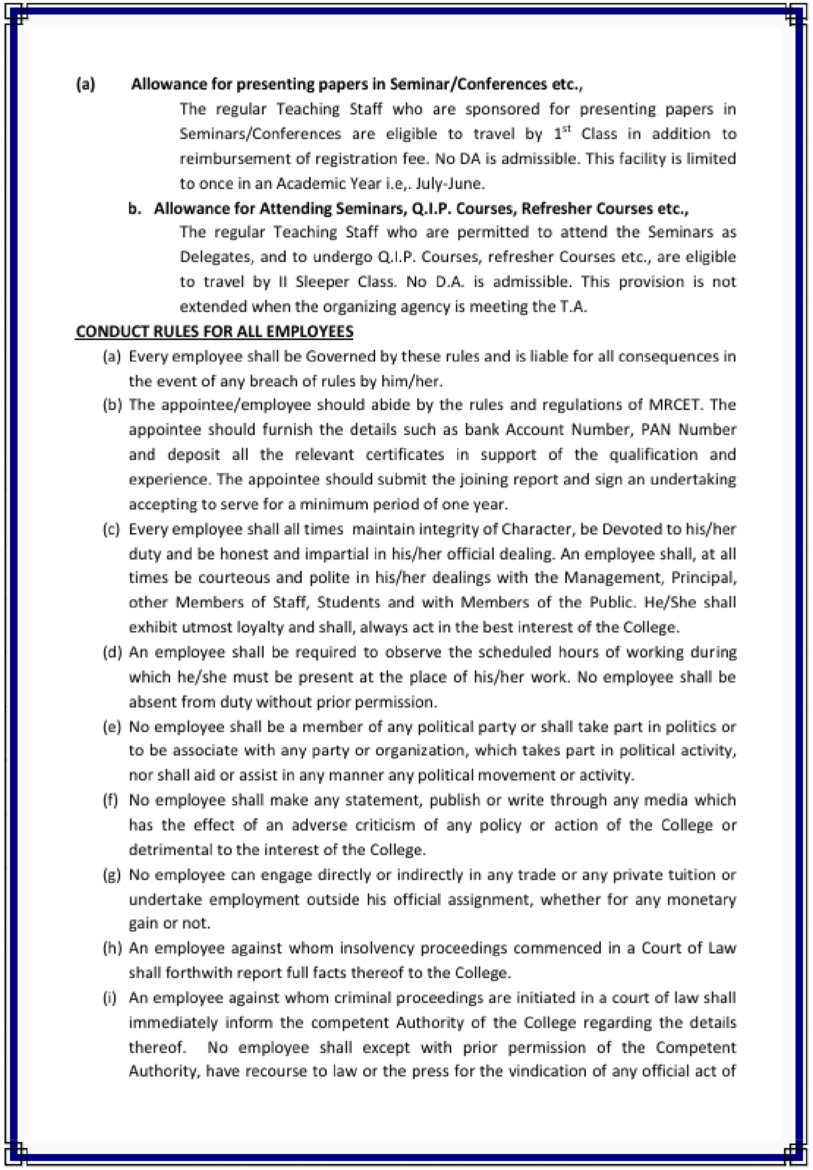
i. **Grades-I**	The entire regular teaching staff of Asst. Professor cadre and above.
ii. **Grade – II**	All the non-teaching staff and all other employees.

* Employees of Grade – I are eligible to travel by 1st Class/AC Two Tier Class. All the other employees are eligible to travel by AC Three Tier.

X. **Daily Allowances**

Daily Allowances admissible to different grades of employees shall be applicable as per the norms of the Institution/University/Telangana State Government.

For the purpose of claiming D.A the absence of the employee from the college is reckoned i.e,. the time between the employee left the college and the time he returned to the College shall be taken.



(a) Allowance for presenting papers in Seminar/Conferences etc.,

The regular Teaching Staff who are sponsored for presenting papers in Seminars/Conferences are eligible to travel by 1st Class in addition to reimbursement of registration fee. No DA is admissible. This facility is limited to once in an Academic Year i.e,. July-June.

b. Allowance for Attending Seminars, Q.I.P. Courses, Refresher Courses etc.,

The regular Teaching Staff who are permitted to attend the Seminars as Delegates, and to undergo Q.I.P. Courses, refresher Courses etc., are eligible to travel by II Sleeper Class. No D.A. is admissible. This provision is not extended when the organizing agency is meeting the T.A.

CONDUCT RULES FOR ALL EMPLOYEES

(a) Every employee shall be Governed by these rules and is liable for all consequences in the event of any breach of rules by him/her.

(b) The appointee/employee should abide by the rules and regulations of MRCET. The appointee should furnish the details such as bank Account Number, PAN Number and deposit all the relevant certificates in support of the qualification and experience. The appointee should submit the joining report and sign an undertaking accepting to serve for a minimum period of one year.

(c) Every employee shall all times maintain integrity of Character, be Devoted to his/her duty and be honest and impartial in his/her official dealing. An employee shall, at all times be courteous and polite in his/her dealings with the Management, Principal, other Members of Staff, Students and with Members of the Public. He/She shall exhibit utmost loyalty and shall, always act in the best interest of the College.

(d) An employee shall be required to observe the scheduled hours of working during which he/she must be present at the place of his/her work. No employee shall be absent from duty without prior permission.

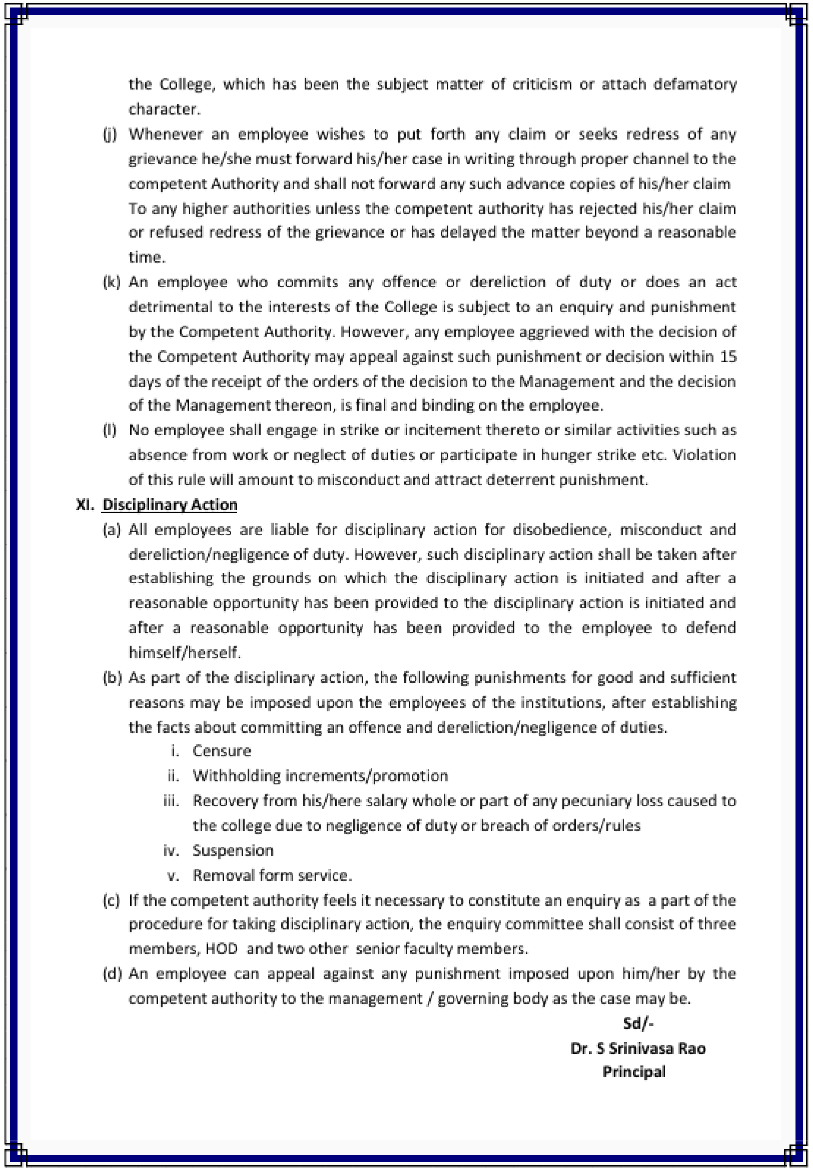
(e) No employee shall be a member of any political party or shall take part in politics or to be associate with any party or organization, which takes part in political activity, nor shall aid or assist in any manner any political movement or activity.

(f) No employee shall make any statement, publish or write through any media which has the effect of an adverse criticism of any policy or action of the College or detrimental to the interest of the College.

(g) No employee can engage directly or indirectly in any trade or any private tuition or undertake employment outside his official assignment, whether for any monetary gain or not.

(h) An employee against whom insolvency proceedings commenced in a Court of Law shall forthwith report full facts thereof to the College.

(i) An employee against whom criminal proceedings are initiated in a court of law shall immediately inform the competent Authority of the College regarding the details thereof. No employee shall except with prior permission of the Competent Authority, have recourse to law or the press for the vindication of any official act of



the College, which has been the subject matter of criticism or attach defamatory character.

(j) Whenever an employee wishes to put forth any claim or seeks redress of any grievance he/she must forward his/her case in writing through proper channel to the competent Authority and shall not forward any such advance copies of his/her claim To any higher authorities unless the competent authority has rejected his/her claim or refused redress of the grievance or has delayed the matter beyond a reasonable time.

(k) An employee who commits any offence or dereliction of duty or does an act detrimental to the interests of the College is subject to an enquiry and punishment by the Competent Authority. However, any employee aggrieved with the decision of the Competent Authority may appeal against such punishment or decision within 15 days of the receipt of the orders of the decision to the Management and the decision of the Management thereon, is final and binding on the employee.

(l) No employee shall engage in strike or incitement thereto or similar activities such as absence from work or neglect of duties or participate in hunger strike etc. Violation of this rule will amount to misconduct and attract deterrent punishment.

XI. Disciplinary Action

(a) All employees are liable for disciplinary action for disobedience, misconduct and dereliction/negligence of duty. However, such disciplinary action shall be taken after establishing the grounds on which the disciplinary action is initiated and after a reasonable opportunity has been provided to the disciplinary action is initiated and after a reasonable opportunity has been provided to the employee to defend himself/herself.

(b) As part of the disciplinary action, the following punishments for good and sufficient reasons may be imposed upon the employees of the institutions, after establishing the facts about committing an offence and dereliction/negligence of duties.

  i. Censure
  ii. Withholding increments/promotion
  iii. Recovery from his/here salary whole or part of any pecuniary loss caused to the college due to negligence of duty or breach of orders/rules
  iv. Suspension
  v. Removal form service.

(c) If the competent authority feels it necessary to constitute an enquiry as a part of the procedure for taking disciplinary action, the enquiry committee shall consist of three members, HOD and two other senior faculty members.

(d) An employee can appeal against any punishment imposed upon him/her by the competent authority to the management / governing body as the case may be.

Sd/-
Dr. S Srinivasa Rao
Principal

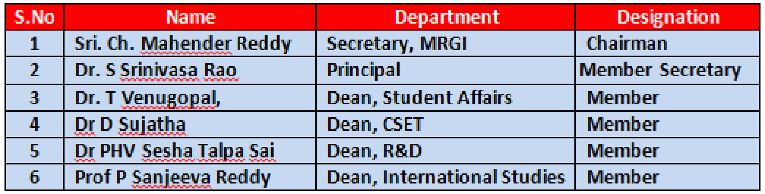
10.1.4 Decentralization in working and grievance redressal mechanism (5)

Institute Marks : 5.00

DECENTRALIZATION IN WORKING:

Composition of committee authorized and delegated to take administrative decisions.

Governing body of the institution has approved the constitution of the committee for de-centralization for working.



S.No	Name	Department	Designation
1	Sri. Ch. Mahender Reddy	Secretary, MRGI	Chairman
2	Dr. S Srinivasa Rao	Principal	Member Secretary
3	Dr. T Venugopal,	Dean, Student Affairs	Member
4	Dr D Sujatha	Dean, CSET	Member
5	Dr PHV Sesha Talpa Sai	Dean, R&D	Member
6	Prof P Sanjeeva Reddy	Dean, International Studies	Member

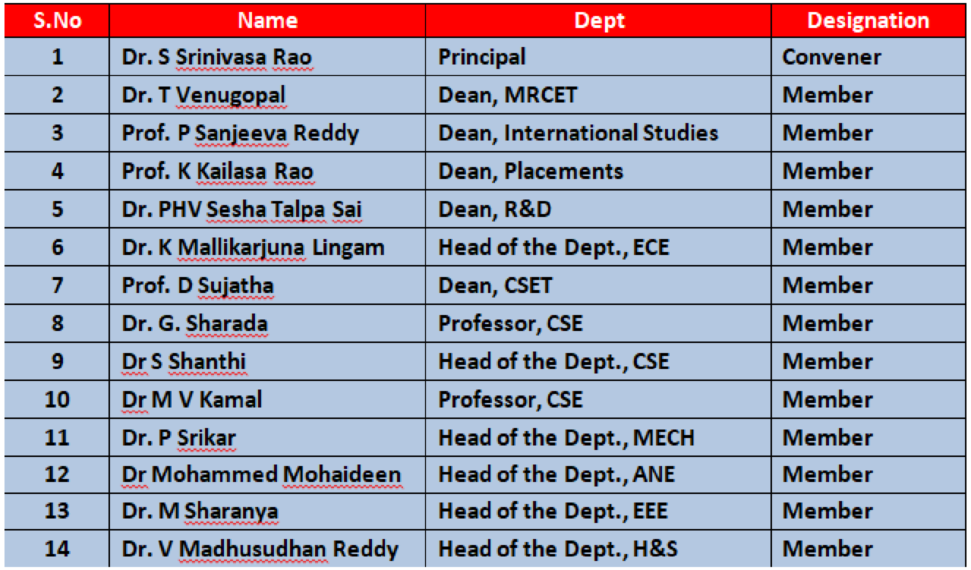
The committee implements de-centralization in working of the institution in the following ways.

a. Recommends to the heads of various departments regarding appointment of faculty/staff to meet emergency requirements arising in between the academic year.
b. The committee recommends delegation of financial powers to heads of department up to a limit of Rs.3,00,000/- year co-coordinator/Lab incharge limit of Rs.1,00,000/- for meeting the training needs of the students as well as improving the equipment infrastructure.
c. Recommends all the departmental heads to deal with the day to day academic/administrative issues arising in respect of faculty and students.

The departmental head/year coordinators are delighted with powers to initiate the training programs beyond the syllabus and also to arrange internship programs in industry for the students to bring them up to match with industry needs.

GRIEVANCES AND REDRESSAL COMMITTEE:

The composition and the functions of the committee are given below



S.No	Name	Dept	Designation
1	Dr. S Srinivasa Rao	Principal	Convener
2	Dr. T Venugopal	Dean, MRCET	Member
3	Prof. P Sanjeeva Reddy	Dean, International Studies	Member
4	Prof. K Kailasa Rao	Dean, Placements	Member
5	Dr. PHV Sesha Talpa Sai	Dean, R&D	Member
6	Dr. K Mallikarjuna Lingam	Head of the Dept., ECE	Member
7	Prof. D Sujatha	Dean, CSET	Member
8	Dr. G. Sharada	Professor, CSE	Member
9	Dr S Shanthi	Head of the Dept., CSE	Member
10	Dr M V Kamal	Professor, CSE	Member
11	Dr. P Srikar	Head of the Dept., MECH	Member
12	Dr Mohammed Mohaideen	Head of the Dept., ANE	Member
13	Dr. M Sharanya	Head of the Dept., EEE	Member
14	Dr. V Madhusudhan Reddy	Head of the Dept., H&S	Member

Term of Members: 2 years

Functions:

Sometimes the faculty and students may have some grievances against the management on some issues. Since the grievance has to be satisfactorily resolved, a committee is required to redress it. Hence grievance committee is formed. The committee is supposed to examine the issue and suggest the redressal actions for satisfaction of the employees which enhances his performance.

As a part of the Grievance Redressal Committee, a separate sub-committee is constituted which will specifically look into complaints received pertaining to sexual harassment of women at the work place. The sub-committee is comprised of the following:

Chairman-Principal

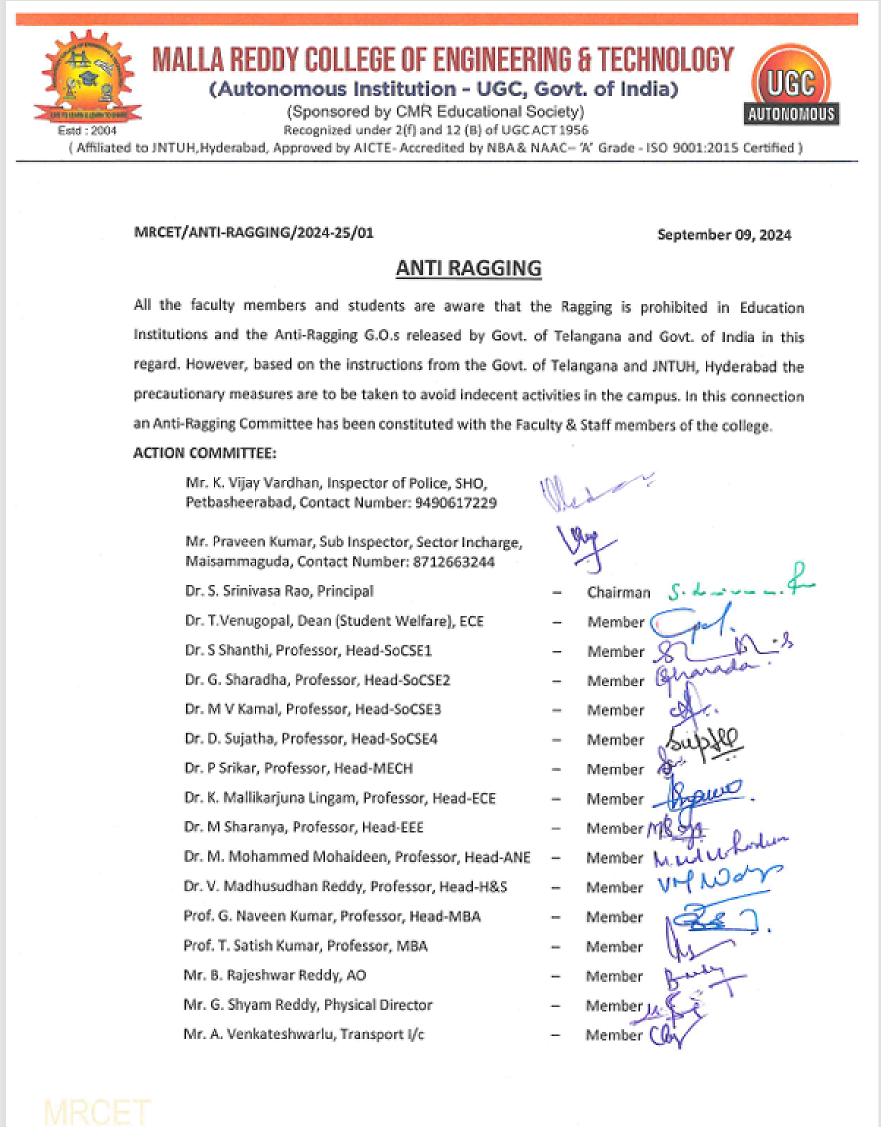
Senior Lady HOD’s-2 members

Administrative Officer- Convener

The person found guilty of sexual harassment will be given strict warning and depending on the severity of the offence will be suspended/terminated form his service.

ANTI RAGGING COMMITTEE

Composition



MALLA REDDY COLLEGE OF ENGINEERING & TECHNOLOGY
(Autonomous Institution - UGC, Govt. of India)
(Sponsored by CMR Educational Society)
Recognized under 2(f) and 12 (B) of UGC ACT 1956
Estd : 2004
(Affiliated to JNTUH,Hyderabad, Approved by AICTE- Accredited by NBA & NAAC– 'A' Grade - ISO 9001:2015 Certified)
UGC AUTONOMOUS

MRCET/ANTI-RAGGING/2024-25/01 **September 09, 2024**

ANTI RAGGING

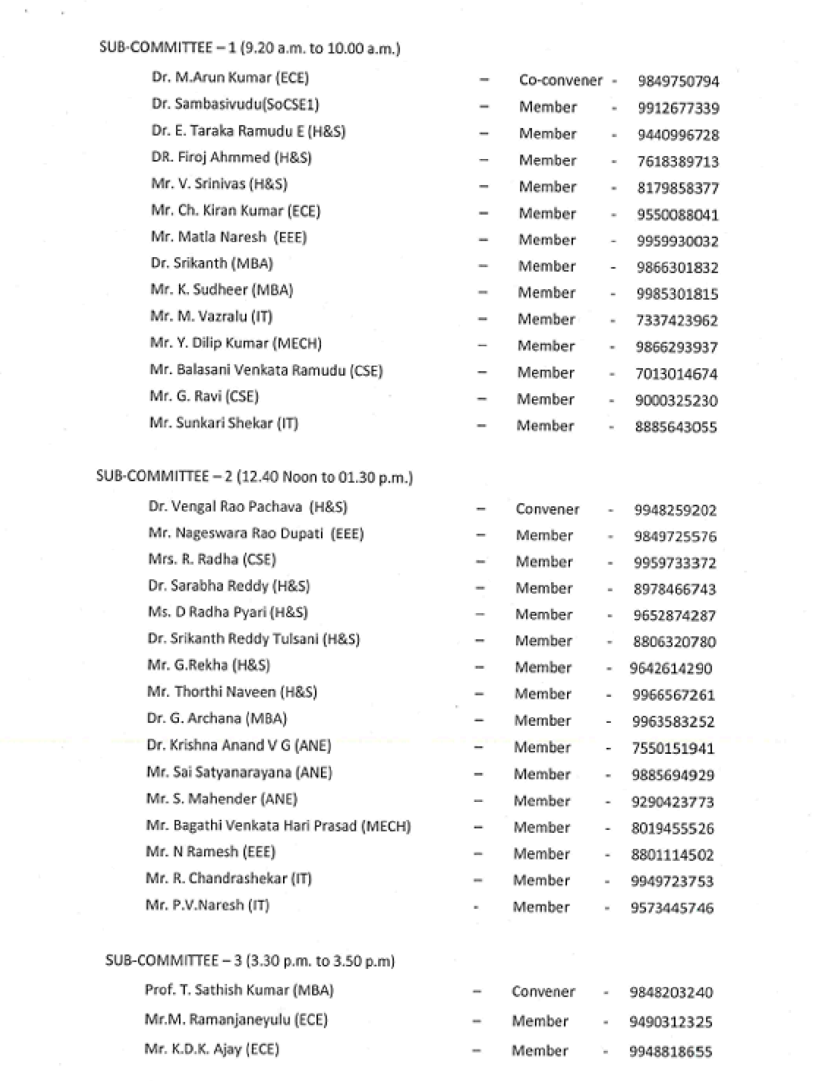
All the faculty members and students are aware that the Ragging is prohibited in Education Institutions and the Anti-Ragging G.O.s released by Govt. of Telangana and Govt. of India in this regard. However, based on the instructions from the Govt. of Telangana and JNTUH, Hyderabad the precautionary measures are to be taken to avoid indecent activities in the campus. In this connection an Anti-Ragging Committee has been constituted with the Faculty & Staff members of the college.

ACTION COMMITTEE:

Mr. K. Vijay Vardhan, Inspector of Police, SHO,
Petbasheerabad, Contact Number: 9490617229

Mr. Praveen Kumar, Sub Inspector, Sector Incharge,
Maisammaguda, Contact Number: 8712663244

Dr. S. Srinivasa Rao, Principal – Chairman
Dr. T.Venugopal, Dean (Student Welfare), ECE – Member
Dr. S Shanthi, Professor, Head-SoCSE1 – Member
Dr. G. Sharadha, Professor, Head-SoCSE2 – Member
Dr. M V Kamal, Professor, Head-SoCSE3 – Member
Dr. D. Sujatha, Professor, Head-SoCSE4 – Member
Dr. P Srikar, Professor, Head-MECH – Member
Dr. K. Mallikarjuna Lingam, Professor, Head-ECE – Member
Dr. M Sharanya, Professor, Head-EEE – Member
Dr. M. Mohammed Mohaideen, Professor, Head-ANE – Member
Dr. V. Madhusudhan Reddy, Professor, Head-H&S – Member
Prof. G. Naveen Kumar, Professor, Head-MBA – Member
Prof. T. Satish Kumar, Professor, MBA – Member
Mr. B. Rajeshwar Reddy, AO – Member
Mr. G. Shyam Reddy, Physical Director – Member
Mr. A. Venkateshwarlu, Transport I/c – Member



SUB-COMMITTEE – 1 (9.20 a.m. to 10.00 a.m.)

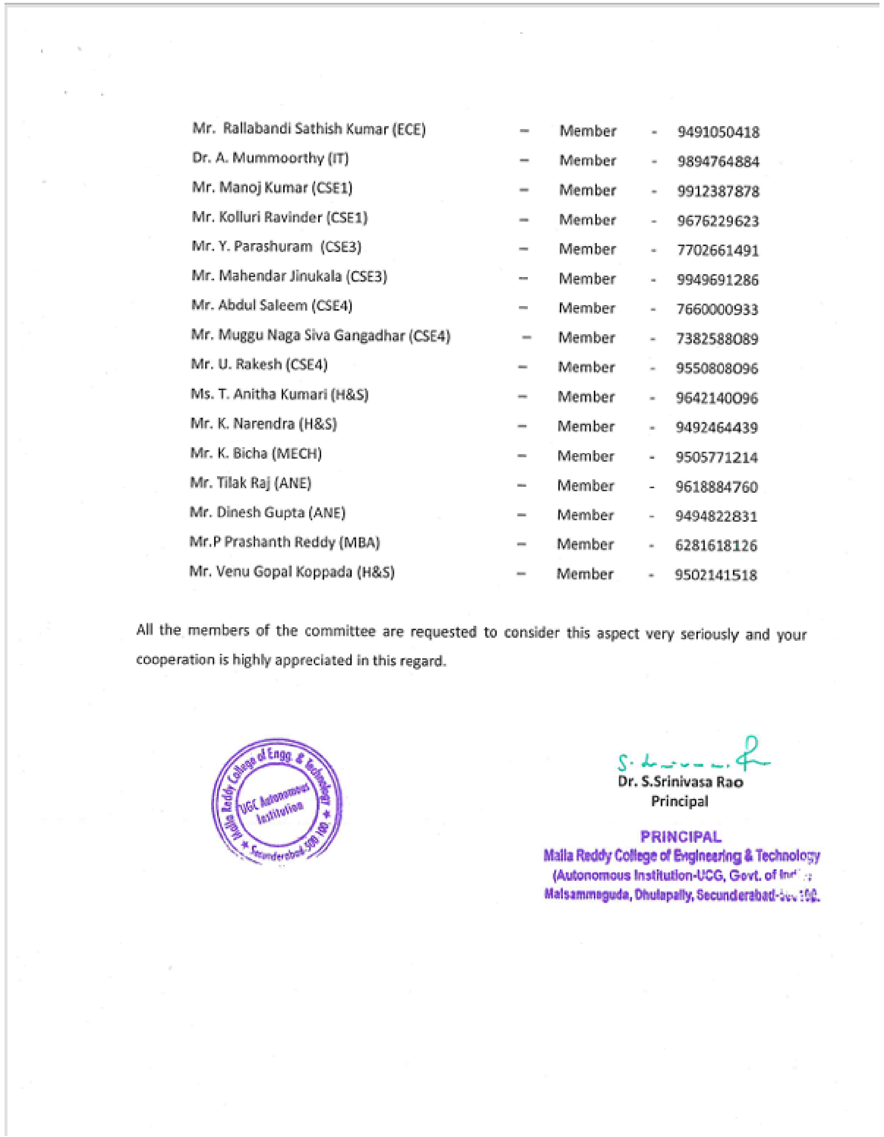
Dr. M.Arun Kumar (ECE)	–	Co-convener	-	9849750794
Dr. Sambasivudu(SoCSE1)	–	Member	-	9912677339
Dr. E. Taraka Ramudu E (H&S)	–	Member	-	9440996728
DR. Firoj Ahmmed (H&S)	–	Member	-	7618389713
Mr. V. Srinivas (H&S)	–	Member	-	8179858377
Mr. Ch. Kiran Kumar (ECE)	–	Member	-	9550088041
Mr. Matla Naresh (EEE)	–	Member	-	9959930032
Dr. Srikanth (MBA)	–	Member	-	9866301832
Mr. K. Sudheer (MBA)	–	Member	-	9985301815
Mr. M. Vazralu (IT)	–	Member	-	7337423962
Mr. Y. Dilip Kumar (MECH)	–	Member	-	9866293937
Mr. Balasani Venkata Ramudu (CSE)	–	Member	-	7013014674
Mr. G. Ravi (CSE)	–	Member	-	9000325230
Mr. Sunkari Shekar (IT)	–	Member	-	8885643055

SUB-COMMITTEE – 2 (12.40 Noon to 01.30 p.m.)

Dr. Vengal Rao Pachava (H&S)	–	Convener	-	9948259202
Mr. Nageswara Rao Dupati (EEE)	–	Member	-	9849725576
Mrs. R. Radha (CSE)	–	Member	-	9959733372
Dr. Sarabha Reddy (H&S)	–	Member	-	8978466743
Ms. D Radha Pyari (H&S)	–	Member	-	9652874287
Dr. Srikanth Reddy Tulsani (H&S)	–	Member	-	8806320780
Mr. G.Rekha (H&S)	–	Member	-	9642614290
Mr. Thorthi Naveen (H&S)	–	Member	-	9966567261
Dr. G. Archana (MBA)	–	Member	-	9963583252
Dr. Krishna Anand V G (ANE)	–	Member	-	7550151941
Mr. Sai Satyanarayana (ANE)	–	Member	-	9885694929
Mr. S. Mahender (ANE)	–	Member	-	9290423773
Mr. Bagathi Venkata Hari Prasad (MECH)	–	Member	-	8019455526
Mr. N Ramesh (EEE)	–	Member	-	8801114502
Mr. R. Chandrashekar (IT)	–	Member	-	9949723753
Mr. P.V.Naresh (IT)	-	Member	-	9573445746

SUB-COMMITTEE – 3 (3.30 p.m. to 3.50 p.m)

Prof. T. Sathish Kumar (MBA)	–	Convener	-	9848203240
Mr.M. Ramanjaneyulu (ECE)	–	Member	-	9490312325
Mr. K.D.K. Ajay (ECE)	–	Member	-	9948818655



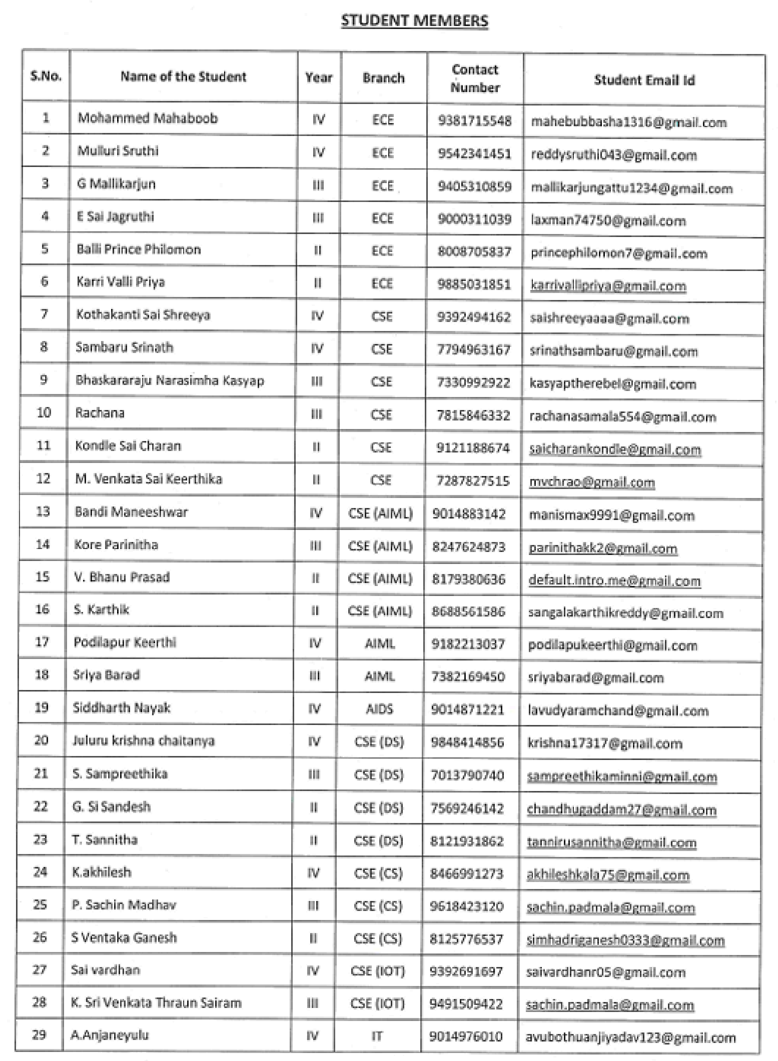
Mr. Rallabandi Sathish Kumar (ECE)	–	Member	-	9491050418
Dr. A. Mummoorthy (IT)	–	Member	-	9894764884
Mr. Manoj Kumar (CSE1)	–	Member	-	9912387878
Mr. Kolluri Ravinder (CSE1)	–	Member	-	9676229623
Mr. Y. Parashuram (CSE3)	–	Member	-	7702661491
Mr. Mahendar Jinukala (CSE3)	–	Member	-	9949691286
Mr. Abdul Saleem (CSE4)	–	Member	-	7660000933
Mr. Muggu Naga Siva Gangadhar (CSE4)	–	Member	-	7382588089
Mr. U. Rakesh (CSE4)	–	Member	-	9550808096
Ms. T. Anitha Kumari (H&S)	–	Member	-	9642140096
Mr. K. Narendra (H&S)	–	Member	-	9492464439
Mr. K. Bicha (MECH)	–	Member	-	9505771214
Mr. Tilak Raj (ANE)	–	Member	-	9618884760
Mr. Dinesh Gupta (ANE)	–	Member	-	9494822831
Mr.P Prashanth Reddy (MBA)	–	Member	-	6281618126
Mr. Venu Gopal Koppada (H&S)	–	Member	-	9502141518

All the members of the committee are requested to consider this aspect very seriously and your cooperation is highly appreciated in this regard.

Dr. S.Srinivasa Rao
Principal

PRINCIPAL
Malla Reddy College of Engineering & Technology
(Autonomous Institution-UGC, Govt. of India)
Maisammaguda, Dhulapally, Secunderabad-500 100.

STUDENT MEMBERS:



STUDENT MEMBERS

S.No.	Name of the Student	Year	Branch	Contact Number	Student Email Id
1	Mohammed Mahaboob	IV	ECE	9381715548	mahebubbasha1316@gmail.com
2	Mulluri Sruthi	IV	ECE	9542341451	reddysruthi043@gmail.com
3	G Mallikarjun	III	ECE	9405310859	mallikarjungattu1234@gmail.com
4	E Sai Jagruthi	III	ECE	9000311039	laxman74750@gmail.com
5	Balli Prince Philomon	II	ECE	8008705837	princephilomon7@gmail.com
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7	Kothakanti Sai Shreeya	IV	CSE	9392494162	saishreeyaaaa@gmail.com
8	Sambaru Srinath	IV	CSE	7794963167	srinathsambaru@gmail.com
9	Bhaskararaju Narasimha Kasyap	III	CSE	7330992922	kasyaptherebel@gmail.com
10	Rachana	III	CSE	7815846332	rachanasamala554@gmail.com
11	Kondle Sai Charan	II	CSE	9121188674	saicharankondle@gmail.com
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13	Bandi Maneeshwar	IV	CSE (AIML)	9014883142	manismax9991@gmail.com
14	Kore Parinitha	III	CSE (AIML)	8247624873	parinithakk2@gmail.com
15	V. Bhanu Prasad	II	CSE (AIML)	8179380636	default.intro.me@gmail.com
16	S. Karthik	II	CSE (AIML)	8688561586	sangalakarthikreddy@gmail.com
17	Podilapur Keerthi	IV	AIML	9182213037	podilapukeerthi@gmail.com
18	Sriya Barad	III	AIML	7382169450	sriyabarad@gmail.com
19	Siddharth Nayak	IV	AIDS	9014871221	lavudyaramchand@gmail.com
20	Juluru krishna chaitanya	IV	CSE (DS)	9848414856	krishna17317@gmail.com
21	S. Sampreethika	III	CSE (DS)	7013790740	sampreethikaminni@gmail.com
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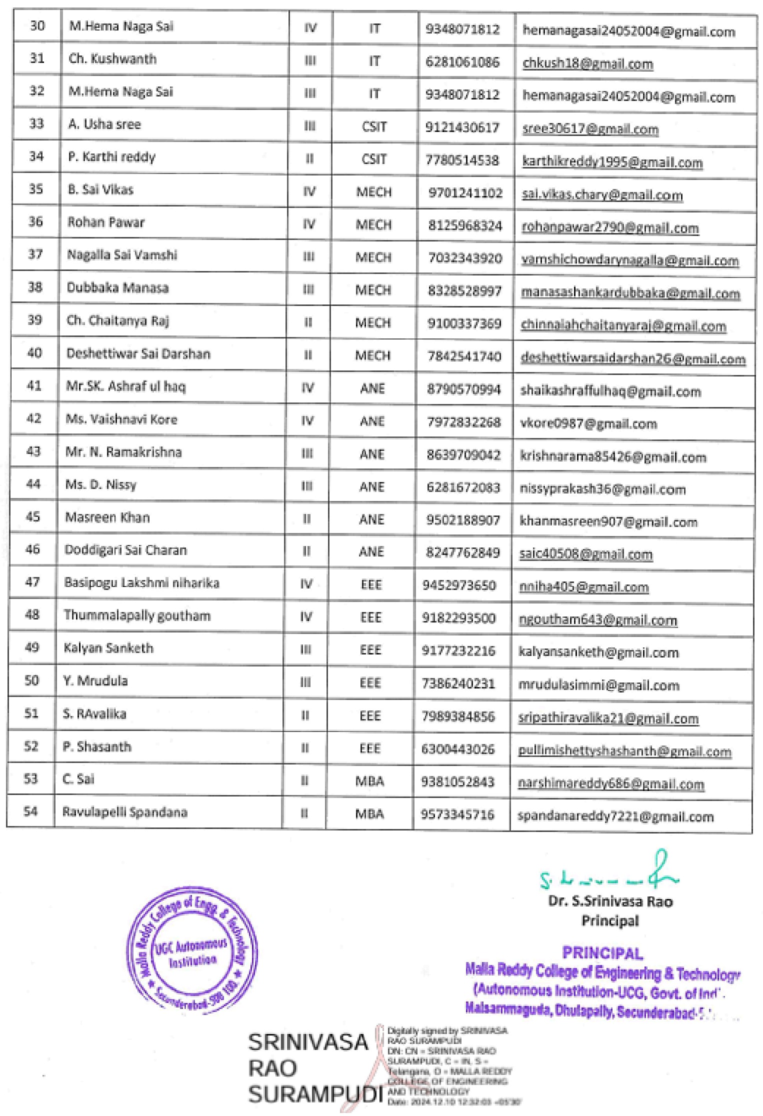
23	T. Sannitha	II	CSE (DS)	8121931862	tannirusannitha@gmail.com
24	K.akhilesh	IV	CSE (CS)	8466991273	akhileshkala75@gmail.com
25	P. Sachin Madhav	III	CSE (CS)	9618423120	sachin.padmala@gmail.com
26	S Ventaka Ganesh	II	CSE (CS)	8125776537	simhadriganesh0333@gmail.com
27	Sai vardhan	IV	CSE (IOT)	9392691697	saivardhanr05@gmail.com
28	K. Sri Venkata Thraun Sairam	III	CSE (IOT)	9491509422	sachin.padmala@gmail.com
29	A.Anjaneyulu	IV	IT	9014976010	avubothuanjiyadav123@gmail.com



30	M.Hema Naga Sai	IV	IT	9348071812	hemanagasai24052004@gmail.com
31	Ch. Kushwanth	III	IT	6281061086	chkush18@gmail.com
32	M.Hema Naga Sai	III	IT	9348071812	hemanagasai24052004@gmail.com
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34	P. Karthi reddy	II	CSIT	7780514538	karthikreddy1995@gmail.com
35	B. Sai Vikas	IV	MECH	9701241102	sai.vikas.chary@gmail.com
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38	Dubbaka Manasa	III	MECH	8328528997	manasashankardubbaka@gmail.com
39	Ch. Chaitanya Raj	II	MECH	9100337369	chinnaiahchaitanyaraj@gmail.com
40	Deshettiwar Sai Darshan	II	MECH	7842541740	deshettiwarsaidarshan26@gmail.com
41	Mr.SK. Ashraf ul haq	IV	ANE	8790570994	shaikashraffulhaq@gmail.com
42	Ms. Vaishnavi Kore	IV	ANE	7972832268	vkore0987@gmail.com
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44	Ms. D. Nissy	III	ANE	6281672083	nissyprakash36@gmail.com
45	Masreen Khan	II	ANE	9502188907	khanmasreen907@gmail.com
46	Doddigari Sai Charan	II	ANE	8247762849	saic40508@gmail.com
47	Basipogu Lakshmi niharika	IV	EEE	9452973650	nniha405@gmail.com
48	Thummalapally goutham	IV	EEE	9182293500	ngoutham643@gmail.com
49	Kalyan Sanketh	III	EEE	9177232216	kalyansanketh@gmail.com
50	Y. Mrudula	III	EEE	7386240231	mrudulasimmi@gmail.com
51	S. RAvalika	II	EEE	7989384856	sripathiravalika21@gmail.com
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54	Ravulapelli Spandana	II	MBA	9573345716	spandanareddy7221@gmail.com

Dr. S.Srinivasa Rao
Principal

PRINCIPAL
Malla Reddy College of Engineering & Technology
(Autonomous Institution-UCG, Govt. of Ind
Maisammaguda, Dhulapally, Secunderabad-5

SRINIVASA RAO SURAMPUDI
Digitally signed by SRINIVASA RAO SURAMPUDI
DN: CN = SRINIVASA RAO SURAMPUDI, C = IN, S = Telangana, O = MALLA REDDY COLLEGE OF ENGINEERING AND TECHNOLOGY
Date: 2024.12.10 12:32:03 +05'30'

Term of members: One Year

Function

- Nowadays many cases of teasing the girls and junior students are observed in colleges. In view of it an Anti ragging committee is constituted in the college to be vigilant and taking precautionary measures for avoiding such incidents in the college. This gives a continuous assurance and confidence to the parents of new entrants of the college driving out the fear perception from their minds.
- In the process, if anybody is found guilty, strict punishment will be awarded by the committee.

10.1.5 Delegation of financial powers (5)

Institute Marks : 5.00

The Delegation of Financial Powers Rules (DFPRs) is a set of rules that govern how financial powers are given to different authorities. The DFPRs are issued by the Finance Committee after the approval of management.

Functions of DFPRs:

The DFPRs outline how powers can be given to administrators, heads of departments, and other authorities

The DFPRs specify the conditions and limits for writing off losses

The DFPRs outline the principles for sanctioning grants, scholarships, and loans

The DFPRs outline how purchasing powers can be delegated to departments

Rules for using DFPRs:

The Finance Ministry must give prior consent for any expenditure that involves a new practice or principle that could increase future expenditure

Subordinate authorities can exercise the power to sanction expenditure as per any general or special order

The governing body approves the delegation of financial powers to the principal, HODs and relevant in charges in the proportion mentioned below:

Principal	**-**	**25,00,000/-**
HOD’s	**-**	**3,00,000/-**
Relevant incharges	**-**	**1,00,000/-**

10.1.6 Transparency and availability of correct/unambiguous information in public domain (5)

Institute Marks : 5.00

The information on policies, rules and processes is made available in the institution website for use by all the stake holders.

Institution website: www.mrcet.ac.in (http://www.mrcet.ac.in/)

10.2 Budget Allocation, Utilization, and Public Accounting at Institute level (15)

Total Marks 15.00

:

Total Income at Institute level: For CFY,CFYm1,CFYm2 & CFYm3
CFY : (Current Financial Year),
CFYm1 : (Current Financial Year minus 1),
CFYm2 : (Current Financial Year minus 2) and
CFYm3 : (Current Financial Year minus 3)

Table 1 - CFY 2023-2024

Total Income 636570000				Actual expenditure(till…): 580000000			Total No. Of Students 5586
Fee	Govt.	Grants	Other sources(specify)	Recurring including salaries	Non Recurring	Special Projects/Anyother, specify	Expenditure per student
335344000	235676000	550000	65000000	525000000	55000000	0	103831.01

Table 2 - CFYm1 2022-2023

Total Income 676534230				Actual expenditure(till…): 676534230			Total No. Of Students 5373
Fee	Govt.	Grants	Other sources(specify)	Recurring including salaries	Non Recurring	Special Projects/Anyother, specify	Expenditure per student
411405000	206515000	652501	57961729	620714736	55819494	0	125913.69

Table 3 - CFYm2 2021-2022

Total Income 595671193				Actual expenditure(till…): 595671193			Total No. Of Students 4826
Fee	Govt.	Grants	Other sources(specify)	Recurring including salaries	Non Recurring	Special Projects/Anyother, specify	Expenditure per student
374015000	173550000	465100	47641093	591555058	4116135	0	123429.59

Table 4 - CFYm3 2020-2021

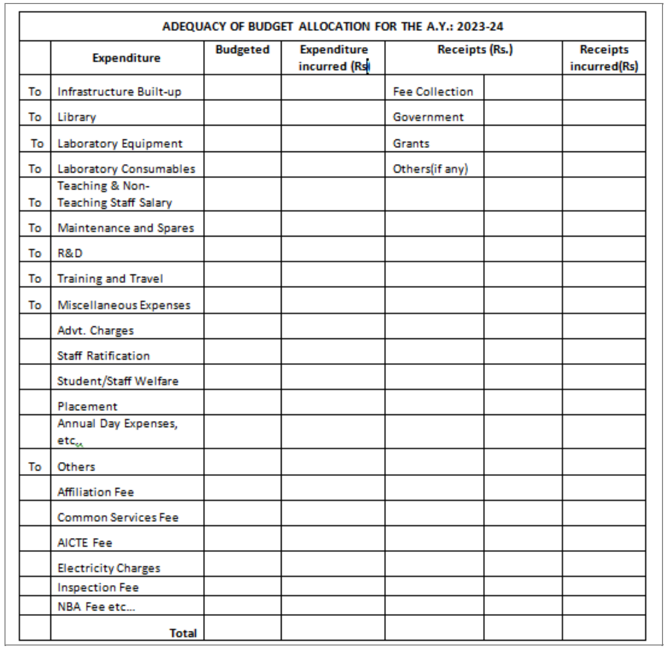
Total Income 557373940				Actual expenditure(till…): 557373940			Total No. Of Students 4582
Fee	Govt.	Grants	Other sources(specify)	Recurring including salaries	Non Recurring	Special Projects/Anyother, specify	Expenditure per student
304615792	137595000	420000	114743148	555332131	2041809	0	121644.25

Items	Budgeted in 2023-2024	Actual Expenses in 2023-2024 till	Budgeted in 2022-2023	Actual Expenses in 2022-2023 till	Budgeted in 2021-2022	Actual Expenses in 2021-2022 till	Budgeted in 2020-2021	Actual Expenses in 2020-2021 till
Infrastructure Built-Up	3265000	2985600	3250000	3124655	800000	769519	550000	523311
Library	1750000	1650000	1500000	1327642	900000	880909	800000	750500
Laboratory equipment	2750000	2500000	2500000	2282936	5000000	4690173	1000000	1016038
Laboratory consumables	1250000	1000000	1200000	1097866	175000	160999	275000	280747
Teaching and non-teaching staf	3780000	3150000	4000000	3546120	2500000	2309415	2500000	1516560
Maintenance and spares	3500000	2500000	3000000	2441274	1850000	1790119	650000	566083
R&D	5500000	3500000	4500000	3654975	175000	150000	250000	200000
Training and Travel	2500000	2175000	1000000	808002	7500000	7428264	150000	130447
Miscellaneous Expenses*	2750000	2480000	2500000	2167398	2500000	2228654	3500000	3301705
Others, specify	1500000	2530000	1250000	1213525	2750000	2640464	3000000	3265468
Total	**672900000**	**462281000**	**656500000**	**592896490**	**543900000**	**513086681**	**557175000**	**484971733**

10.2.1 Adequacy of budget allocation (5)

Institute Marks : 5.00

As the institution is self-financed and sponsored by the society and the institution being already 21 – years old, the complete civil infrastructure is already in place and hence the total tuition fee collected from the students is more than adequate to run the institution including recurring & non-recurring expenditure.



ADEQUACY OF BUDGET ALLOCATION FOR THE A.Y.: 2023-24						
	Expenditure	**Budgeted**	**Expenditure incurred (Rs**	**Receipts (Rs.)**		**Receipts incurred(Rs)**
To	Infrastructure Built-up			Fee Collection		
To	Library			Government		
To	Laboratory Equipment			Grants		
To	Laboratory Consumables			Others(if any)		
To	Teaching & Non-Teaching Staff Salary					
To	Maintenance and Spares					
To	R&D					
To	Training and Travel					
To	Miscellaneous Expenses					
	Advt. Charges					
	Staff Ratification					
	Student/Staff Welfare					
	Placement					
	Annual Day Expenses, etc.,					
To	Others					
	Affiliation Fee					
	Common Services Fee					
	AICTE Fee					
	Electricity Charges					
	Inspection Fee					
	NBA Fee etc...					
	Total					

10.2.2 Utilization of allocated funds (5) Institute Marks : 5.00

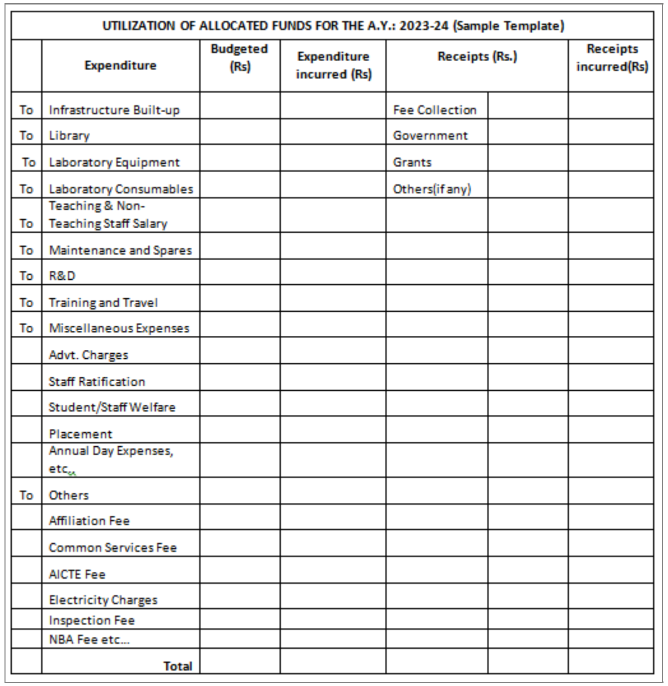
The budget utilized for recurring and non-recurring expenditure under the following heads:

a. Salaries – Salaries has been disbursed to AICTE norms.

b. The budget has been utilized in procuring the laboratory equipment as per the recommendations of the HOD’s based on the curriculum, also for organizing the FDP’s and students training programs.

c. Administrative Expenditure – budget has been utilized in meeting day to day expenses in running the institution.

The sample template of the same is given below:



UTILIZATION OF ALLOCATED FUNDS FOR THE A.Y.: 2023-24 (Sample Template)

	Expenditure	Budgeted (Rs)	Expenditure incurred (Rs)	Receipts (Rs.)		Receipts incurred(Rs)
To	Infrastructure Built-up			Fee Collection		
To	Library			Government		
To	Laboratory Equipment			Grants		
To	Laboratory Consumables			Others(if any)		
To	Teaching & Non-Teaching Staff Salary					
To	Maintenance and Spares					
To	R&D					
To	Training and Travel					
To	Miscellaneous Expenses					
	Advt. Charges					
	Staff Ratification					
	Student/Staff Welfare					
	Placement					
	Annual Day Expenses, etc..					
To	Others					
	Affiliation Fee					
	Common Services Fee					
	AICTE Fee					
	Electricity Charges					
	Inspection Fee					
	NBA Fee etc...					
	Total					

10.2.3 Availability of the audited statements on the institute’s website (5) Institute Marks : 5.00

The audited statements have already been uploaded on the college website, www.mrcet.ac.in (http://www.mrcet.ac.in/)

10.3 Program Specific Budget Allocation, Utilization (30) Total Marks 30.00

:

Total Income at Institute level: For CFY,CFYm1,CFYm2 & CFYm3
CFY: (Current Financial Year),
CFYm1 : (Current Financial Year minus 1),
CFYm2 : (Current Financial Year minus 2) and
CFYm3 : (Current Financial Year minus 3)

Table 1 :: CFY 2023-2024

Total Budget 170000000		Actual expenditure (till…): 145000000		Total No. Of Students 1411
Non Recurring	Recurring	Non Recurring	Recurring	Expenditure per student
20000000	150000000	13750000	131250000	102764.00

Table 2 :: CFYm1 2022-2023

Total Budget 163000000		Actual expenditure (till…): 155602875		Total No. Of Students 1246
Non Recurring	Recurring	Non Recurring	Recurring	Expenditure per student
13000000	150000000	12838485	142764390	124881.92

Table 3 :: CFYm2 2021-2022

Total Budget 135000000		Actual expenditure (till…): 125090953		Total No. Of Students 1020
Non Recurring	Recurring	Non Recurring	Recurring	Expenditure per student
5000000	130000000	864388	124226565	122638.19

Table 4 :: CFYm3 2020-2021

Total Budget 125000000		Actual expenditure (till…): 122622268		Total No. Of Students 1004
Non Recurring	Recurring	Non Recurring	Recurring	Expenditure per student
5000000	120000000	449198	122173070	122133.73

Items	Budgeted in 2023-2024	Actual Expenses in 2023-2024 till	Budgeted in 2022-2023	Actual Expenses in 2022-2023 till	Budgeted in 2021-2022	Actual Expenses in 2021-2022 till	Budgeted in 2020-2021	Actual Expenses in 2020-2021 till
Laboratory equipment	6500000	6250000	5500000	5250753	1000000	984936	350000	223528
Software	575000	500000	475000	500000	500000	457500	500000	450000
Laboratory consumable	3000000	2500000	3000000	2525092	50000	33810	100000	61765

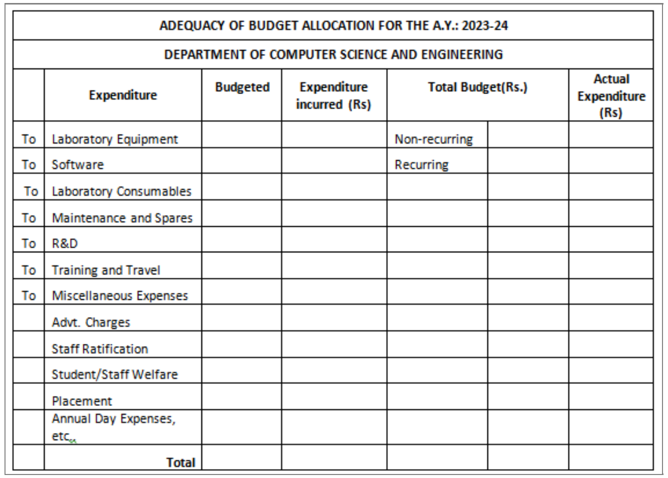
Maintenance and spares	6750000	6250000	6000000	5614932	450000	375925	200000	124538
R & D	1000000	875000	900000	840645	50000	31500	75000	44000
Training and Travel	600000	543750	250000	185840	1800000	1559935	50000	28699
Miscellaneous Expenses*	6750000	6200000	5500000	4985015	600000	468017	750000	693358
Total	**25175000**	**23118750**	**21625000**	**19902277**	**4450000**	**3911623**	**2025000**	**1625888**

10.3.1 Adequacy of budget allocation (10)

Institute Marks : 10.00

As the institution is self-financed and sponsored by the society and the institution being already 21 – years old, the complete civil infrastructure is already in place and hence the total tuition fee collected from the students is more than adequate to run the institution including recurring & non-recurring expenditure.

The sample template of the same is given below:



ADEQUACY OF BUDGET ALLOCATION FOR THE A.Y.: 2023-24

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

	Expenditure	Budgeted	Expenditure incurred (Rs)	Total Budget(Rs.)		Actual Expenditure (Rs)
To	Laboratory Equipment			Non-recurring		
To	Software			Recurring		
To	Laboratory Consumables					
To	Maintenance and Spares					
To	R&D					
To	Training and Travel					
To	Miscellaneous Expenses					
	Advt. Charges					
	Staff Ratification					
	Student/Staff Welfare					
	Placement					
	Annual Day Expenses, etc,,					
	Total					

10.3.2 Utilization of allocated funds (20)

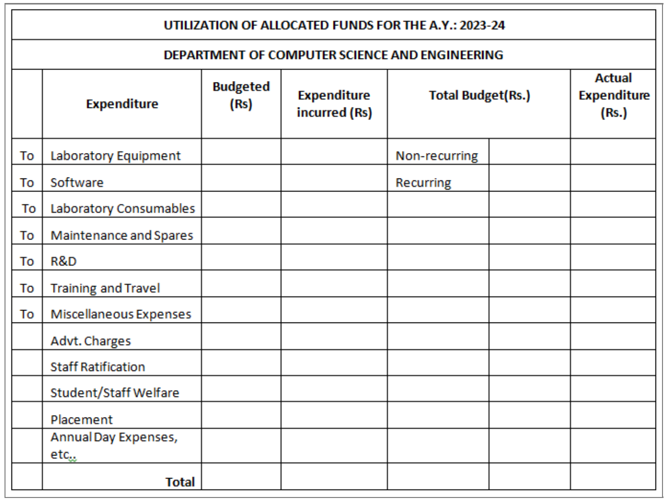
Institute Marks : 20.00

The budget utilized for recurring and non-recurring expenditure under the following heads: Salaries – Salaries has been disbursed to AICTE norms.

The budget has been utilized in procuring the laboratory equipment as per the recommendations of the HOD’s based on the curriculum, also for organizing the FDP’s and students training programs.

Administrative Expenditure – budget has been utilized in meeting day to day expenses in running the institution.

The sample template of the same is given below:



UTILIZATION OF ALLOCATED FUNDS FOR THE A.Y.: 2023-24						
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING						
	Expenditure	**Budgeted (Rs)**	**Expenditure incurred (Rs)**	**Total Budget(Rs.)**		**Actual Expenditure (Rs.)**
To	Laboratory Equipment			Non-recurring		
To	Software			Recurring		
To	Laboratory Consumables					
To	Maintenance and Spares					
To	R&D					
To	Training and Travel					
To	Miscellaneous Expenses					
	Advt. Charges					
	Staff Ratification					
	Student/Staff Welfare					
	Placement					
	Annual Day Expenses, etc..					
	Total					

10.4 Library and Internet (20)

Total Marks 20.00

10.4.1 Quality of learning resources (hard/soft) (10)

Institute Marks : 10.00

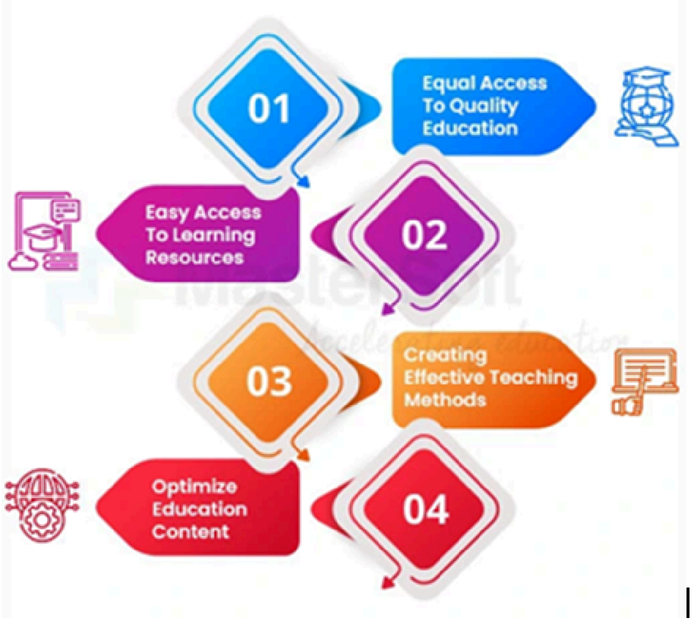
The students and faculty have been utilizing the library re-sources as well as laboratory facilities very effectively as most of the faculty and students stay in the hostels in close proximity of the institution by staying late hours in the campus.

Internet:

With the rapid advancement of digital technology, internet facility has become very affordable to all and thus being widely utilized in accessing technology resources available globally

"Quality of learning resources (hard/soft)" refers to the overall standard and suitability of both physical (hard) materials like textbooks and printed documents, and digital (soft) materials like online courses, videos, and software used for learning, considering factors like their relevance, accuracy, accessibility, and engagement potential for students.

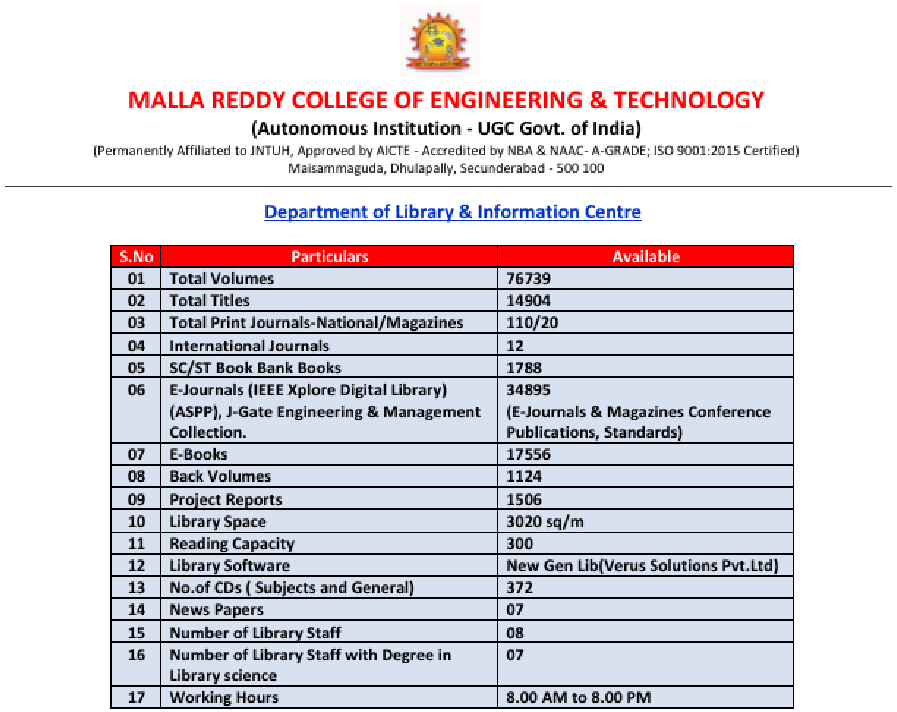
Adequate learning resources including e-resources are available in the college digital library. Therefore the students and faculty community are effectively utilizing this resource through internet facility.


01
Equal Access To Quality Education
Easy Access To Learning Resources
02
03
Creating Effective Teaching Methods
Optimize Education Content
04

The key aspects considered for evaluating the quality of learning resources (hard/soft) are:

01. Equal Access to Quality Education:

The learning objectives and relevant course materials are made available both hard copies (Central Library: www.mrcetlbrary) and soft copies [College Website: www.mrcet.ac.in (http://www.mrcet.ac.in/)] to both students and teaching faculty.



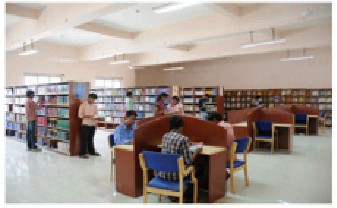
MALLA REDDY COLLEGE OF ENGINEERING & TECHNOLOGY

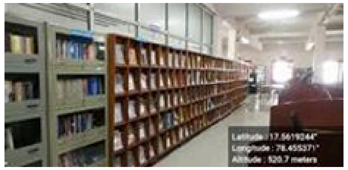
(Autonomous Institution - UGC Govt. of India)

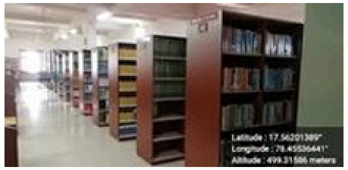
(Permanently Affiliated to JNTUH, Approved by AICTE - Accredited by NBA & NAAC- A-GRADE; ISO 9001:2015 Certified)
Maisammaguda, Dhulapally, Secunderabad - 500 100

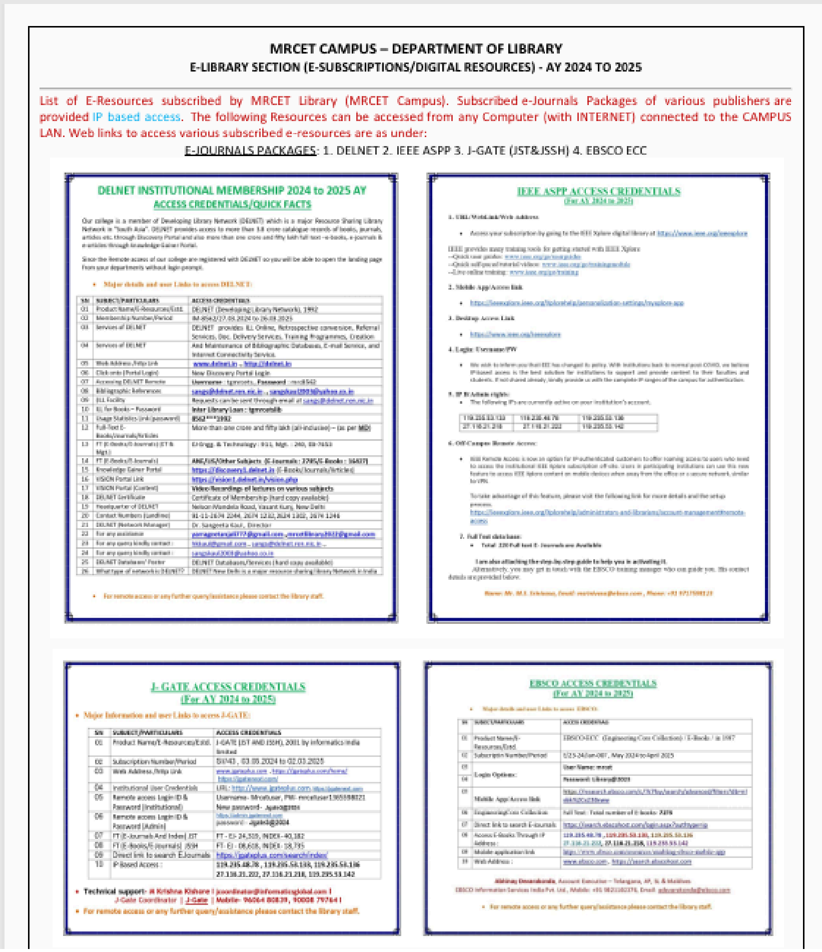
Department of Library & Information Centre

S.No	Particulars	Available
01	Total Volumes	76739
02	Total Titles	14904
03	Total Print Journals-National/Magazines	110/20
04	International Journals	12
05	SC/ST Book Bank Books	1788
06	E-Journals (IEEE Xplore Digital Library) (ASPP), J-Gate Engineering & Management Collection.	34895 (E-Journals & Magazines Conference Publications, Standards)
07	E-Books	17556
08	Back Volumes	1124
09	Project Reports	1506
10	Library Space	3020 sq/m
11	Reading Capacity	300
12	Library Software	New Gen Lib(Verus Solutions Pvt.Ltd)
13	No.of CDs (Subjects and General)	372
14	News Papers	07
15	Number of Library Staff	08
16	Number of Library Staff with Degree in Library science	07
17	Working Hours	8.00 AM to 8.00 PM









MRCET CAMPUS – DEPARTMENT OF LIBRARY

E-LIBRARY SECTION (E-SUBSCRIPTIONS/DIGITAL RESOURCES) - AY 2024 TO 2025

List of E-Resources subscribed by MRCET Library (MRCET Campus). Subscribed e-Journals Packages of various publishers are provided IP based access. The following Resources can be accessed from any Computer (with INTERNET) connected to the CAMPUS LAN. Web links to access various subscribed e-resources are as under:

E-JOURNALS PACKAGES: 1. DELNET 2. IEEE ASPP 3. J-GATE (JST&JSSH) 4. EBSCO ECC

DELNET INSTITUTIONAL MEMBERSHIP 2024 to 2025 AY

ACCESS CREDENTIALS/QUICK FACTS

IEEE ASPP ACCESS CREDENTIALS

(For AY 2024 to 2025)

J-GATE ACCESS CREDENTIALS

(For AY 2024 to 2025)

EBSCO ACCESS CREDENTIALS

(For AY 2024 to 2025)

02. Easy Access to Learning Resources:

The content is structured, with clear explanations and logical progression of information with relevant content useful to the students and teaching faculty.

The materials are available to all students and Faculty (both teaching and non-teaching).

The materials are user friendly with clear navigation and formatting.

03. Creating Effective Teaching Methods:

All the classrooms are provided with Digital Boards to increase the level of interactivity, visual appeal, and multimedia elements that can capture students attention and interest.

04. Optimize Education Content:

The information presented is optimized and up-to-date, factual, and sourced from credible authors authenticated by the Head of the Department.

Examples of "hard" learning resources:

Textbooks, Workbooks, Hand outs, Printed lecture slides, and Laboratory manuals.

Examples of "soft" learning resources:

- Online courses
- NPTEL/Educational videos
- Digital library databases
- Interactive simulations
- Learning management systems (LMS)

10.4.2 Internet (10)

Institute Marks : 10.00

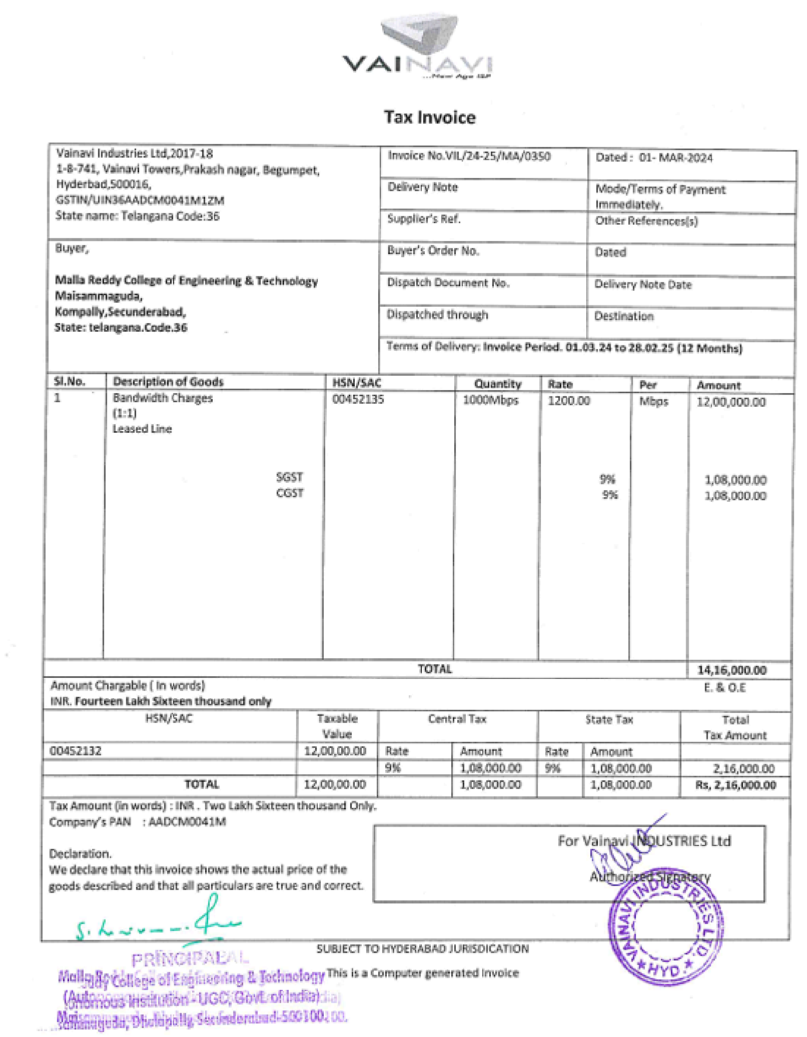
Name of the Internet provider: **Vainavi Industries Limited**

Available bandwidth: 10**00 MBPS**

Wi Fi availability: **Yes**

Internet access in labs, classrooms, library and offices of all Departments: **Yes (Available)**

Security arrangements: **Sonic Firewall Router**



VAINAVI
...New Age ISP

Tax Invoice

Vainavi Industries Ltd,2017-18 1-8-741, Vainavi Towers,Prakash nagar, Begumpet, Hyderbad,500016, GSTIN/UIN36AADCM0041M1ZM State name: Telangana Code:36	Invoice No.VIL/24-25/MA/0350	Dated : 01- MAR-2024
	Delivery Note	Mode/Terms of Payment Immediately.
	Supplier's Ref.	Other References(s)
Buyer, **Malla Reddy College of Engineering & Technology** **Maisammaguda,** **Kompally,Secunderabad,** **State: telangana.Code.36**	Buyer's Order No.	Dated
	Dispatch Document No.	Delivery Note Date
	Dispatched through	Destination
	Terms of Delivery: **Invoice Period. 01.03.24 to 28.02.25 (12 Months)**	

Sl.No.	Description of Goods	HSN/SAC	Quantity	Rate	Per	Amount
1	Bandwidth Charges (1:1) Leased Line	00452135	1000Mbps	1200.00	Mbps	12,00,000.00
	SGST			9%		1,08,000.00
	CGST			9%		1,08,000.00
	TOTAL					**14,16,000.00**

Amount Chargable (In words) E. & O.E
INR. **Fourteen Lakh Sixteen thousand only**

HSN/SAC	Taxable Value	Central Tax		State Tax		Total Tax Amount
00452132	12,00,00.00	Rate	Amount	Rate	Amount	
		9%	1,08,000.00	9%	1,08,000.00	2,16,000.00
TOTAL	12,00,00.00		1,08,000.00		1,08,000.00	**Rs, 2,16,000.00**

Tax Amount (in words) : INR . Two Lakh Sixteen thousand Only.
Company's PAN : AADCM0041M

Declaration.
We declare that this invoice shows the actual price of the goods described and that all particulars are true and correct.

For Vainavi INDUSTRIES Ltd

Authorized Signatory

VAINAVI INDUSTRIES LTD. ★HYD.★

PRINCIPAL
Malla Reddy College of Engineering & Technology
(Autonomous Institution - UGC, Govt. of India)
Maisammaguda, Dhulapally, Secunderabad-500100.

SUBJECT TO HYDERABAD JURISDICATION

This is a Computer generated Invoice

Annexure I
(A) PROGRAM OUTCOME (POs)

Engineering Graduates will be able to:

1. Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.

2. Problem analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.

3. Design/development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.

4. Conduct investigations of complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.

5. Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.

6. The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.

7. Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

8. Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

9. Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

10. Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

11. Project management and finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one’s own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

12. Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

(B) PROGRAM SPECIFIC OUTCOME (PSOs)

Program should specify 2-4 program specific outcomes.

PSO1	Fundamentals and critical knowledge of the Computer System: - Able to Understand the working principles of the computer System and its components, Apply the knowledge to build, asses, and analyze the software and hardware aspects of it
PSO2	The comprehensive and Applicative knowledge of Software Development: Comprehensive skills of Programming Languages, Software process models, methodologies, and able to plan, develop, test, analyze, and manage the software and hardware intensive systems in heterogeneous platforms individually or working in teams.
PSO3	Applications of Computing Domain & Research: Able to use the professional, managerial, interdisciplinary skill set, and domain specific tools in development processes, identify the research gaps, and provide innovative solutions to them

Declaration

The head of the institution needs to make a declaration as per the format given -

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- I undertake that, the institution is well aware about the provisions in the NBA’s accreditation manual concerned for this application, rules, regulations, notifications and NBA expert visit guidelines inforce as on date and the institutes hall fully abide by them.
- It is submitted that information provided in this Self Assessment Report is factually correct.
- I understand and agree that an appropriate disciplinary action against the Institute willbe initiated by the NBA. In case, any false statement/information is observed during pre-visit, visit, postvisit and subsequent to grant of accreditation.

Head of the Institute
Name : Dr. S. Srinivasa Rao
Designation : Principal
Signature :
Seal of The Institution :

Malla Reddy College of Engg. & Technology
★ Secunderabad-500 100. ★
UGC Autonomous
Institution

Place : Hyderabad
Date : 17-02-2025 11:36:39