MALLA REDDY COLLEGE OF ENGINEERING & TECHNOLOGY

SELF ASSESSMENT REPORT(TIER - I) FOR ELECTRONICS AND COMMUNICATION 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:

Name of Program	Program Applied level	Start of year	Year of AICTE approval	Initial Intake	Intake Increase	Current Intake	Accreditation status	From	To	Program for consideration	Program for Duration
VLSI AND EMBEDDED SYSTEMS	PG	2012	2012	24	Yes	18	Granted accreditation for 3 years for the period (specify period)	2021	2024	No	2

Sanctioned Intake for Last Five Years for the VLSI AND EMBEDDED SYSTEMS

Academic Year	Sanctioned Intake
2024-25	18
2023-24	24
2022-23	24
2021-22	24
2020-21	24
2019-20	24

Name of Program	Program Applied level	Start of year	Year of AICTE approval	Initial Intake	Intake Increase	Current Intake	Accreditation status	From	To	Program for consideration	Program for Duration
ELECTRONICS AND COMMUNICATION ENGINEERING	UG	2004	2004	60	Yes	120	Granted accreditation for 3 years for the period (specify period)	2022	2025	Yes	4

Sanctioned Intake for Last Five Years for the ELECTRONICS AND COMMUNICATION ENGINEERING

Academic Year	Sanctioned Intake
2024-25	120
2023-24	120
2022-23	120
2021-22	240
2020-21	240
2019-20	240

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 K Mallikarjuna Lingam
Designation	Head of the Department
Mobile No.	9505237779
Email ID	mallikarjunk24@gmail.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	89.48
5	FACULTY INFORMATION AND CONTRIBUTIONS	200	193.87
6	FACILITIES AND TECHNICAL SUPPORT	80	80.00
7	CONTINUOUS IMPROVEMENT	75	75.00
8	FIRST YEAR ACADEMICS	50	47.14
9	STUDENT SUPPORT SYSTEMS	50	50.00
10	GOVERNANCE, INSTITUTIONAL SUPPORT AND FINANCIAL RESOURCES	120	120.00
	Total	**1000**	**980**

Part B : Criteria Summary

1 VISION, MISSION AND PROGRAM EDUCATIONAL OBJECTIVES (50)

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

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 evolve into a center of excellence in Engineering & Technology through creative and innovative practices in teaching-learning, promoting academic achievement & research excellence to produce internationally accepted competative and world class professionals.
Mission of the Department	<table><tr><th>Mission No.</th><th>Mission Statements</th></tr><tr><td>M1</td><td>To provide high quality academic programmes, training activities, research facilities and opportunities supported by continuous industry institute interaction aimed at employability, entrepreneurship, leadership and research aptitude among students.</td></tr></table>

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

PEO No.	Program Educational Objectives Statements
PEO1	PROFESSIONALISM & CITIZENSHIP: To create and sustain a community of learning in which students acquire knowledge and learn to apply it professionally with due consideration for ethical, ecological and economic issues.
PEO2	TECHNICAL ACCOMPLISHMENTS: To provide knowledge based services to satisfy the needs of society and the industry by providing hands on experience in various technologies in core field.
PEO3	INVENTION, INNOVATION AND CREATIVITY: To make the students to design, experiment, analyze, interpret in the core field with the help of other multi disciplinary concepts wherever applicable.
PEO4	PROFESSIONAL DEVELOPMENT: To educate the students to disseminate research findings with good soft skills and become a successful entrepreneur.
PEO5	HUMAN RESOURCE DEVELOPMENT: To graduate the students in building national capabilities in technology, education and research.

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

The Vision and Mission provides the direction to the department activities and its progress. It communicates the purpose of the organization to its stakeholders and also to inform them about the development.To achieve this, the vision, mission ar following ways:

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 images below.
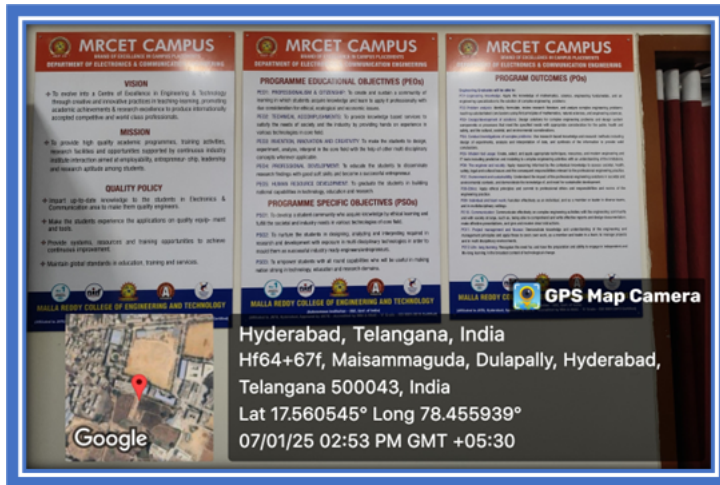

Figure 1.3.1: Vision,Mission,Quality Policy,PEOs,PSOs and POs in the HOD office

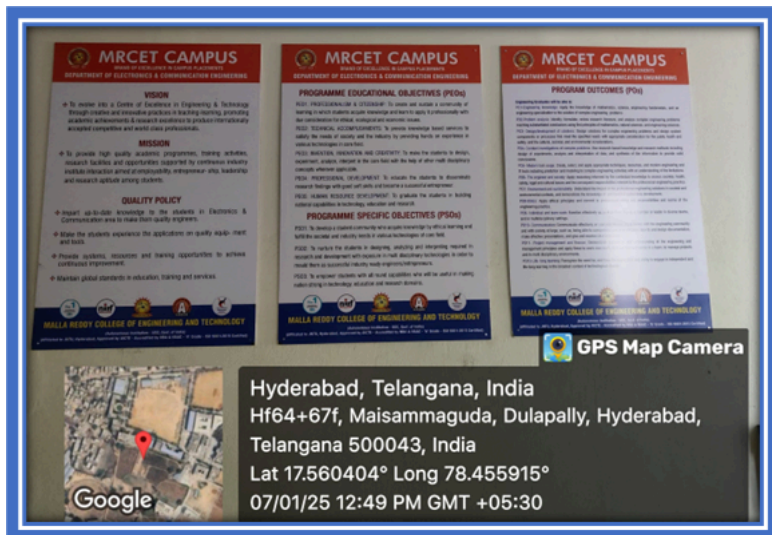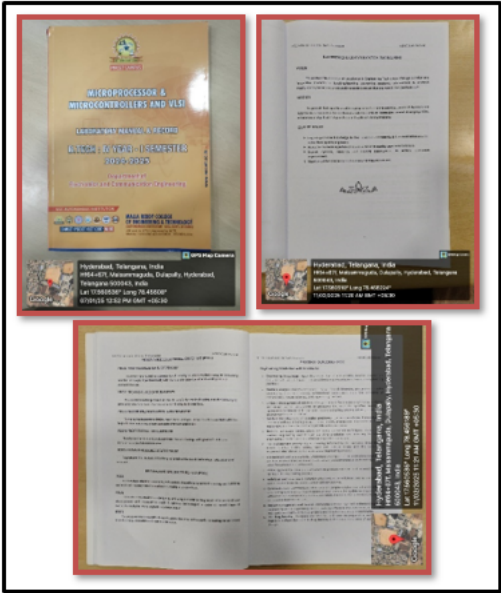**Figure 1.3.2:Vision,Mission,Quality Policy,PEOs,PSOs and POs in the Department Corridors**

Figure 1.3.3:Vision,Mission,Quality Policy,PEOs,PSOs and POs are published in the Laboratory Manuals

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

Table 1.3.1: Dissimination of Vision, Mission and PEOs among the stakeholders

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

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

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 s 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 governn 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
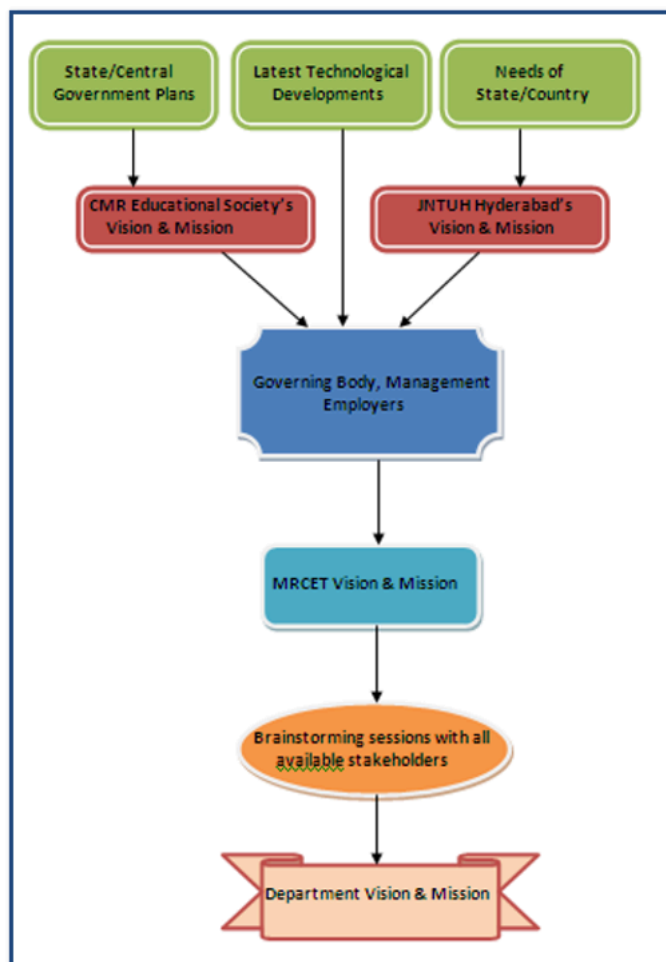
Figure 1.4.1: Process for defining the Vision and Mission statement of the Institute and Department

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:
- CMR Educational Society's vision and mission
- 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 frame 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 de PEO, PO, CO and Programme Curriculum is shown in figure 1.4.2
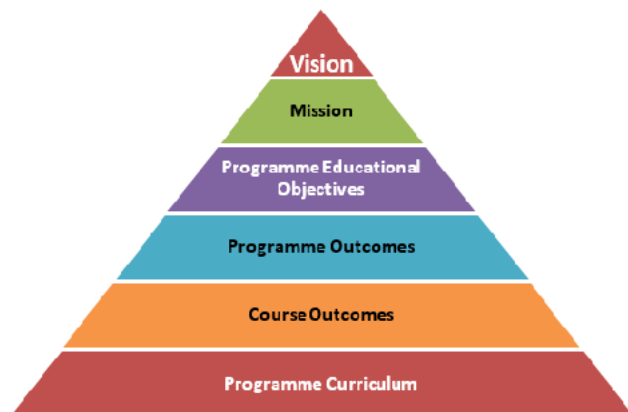
Figure 1.4.2 Design hierarchy of Vision, Mission, PEOs, POs and COs

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 demands.

Table 1.4.1: Stakeholders demands

Stakeholder	Requirements and demands of Stakeholders	Programme Educational Objectives				
		PEO1	PEO2	PEO3	PEO4	PEO5
Students	Quality Education Academic Guidance Appropriate Academic environments	S	S	S	S	S
Parents	Quality education and opportunities of getting placed in MNC for their Children	S	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	S
Alumni	Employability skills, lifelong learning experiences and achievements	S	S	S	S	S
Employers (Government, Industry, Universities)	Quality education, employable and responsible graduates and accountability. Technically strong and market oriented graduates with leadership skills	S	S	S	S	S
Governing Body	Smooth functioning, financial management and good governance	S	S	S	S	S
Professional Bodies	Keep students abreast with latest technological development	S	S	S	S	S
Sponsors and Donors	Overall development of students	S	S	S	S	S

Color 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 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 graduations. PEOs evolve as programme stakeholders periodically review

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 ager 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:
   - Employer survey
   - Alumni Survey
   - Number of students who are successfully placed in industry
   - Number of students who have pursued higher education and research
   - 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 figure1.4.3.
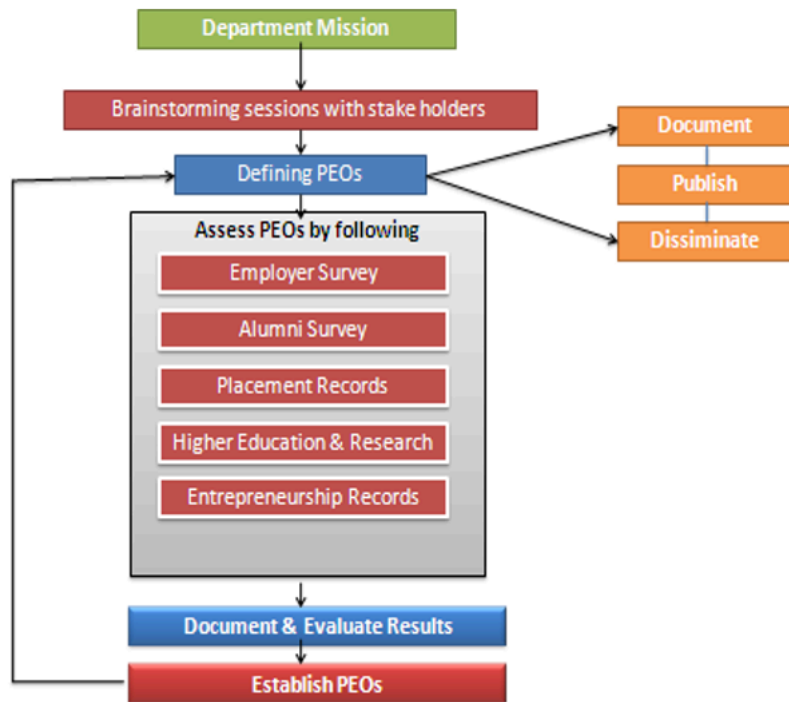
Figure 1.4.3: Process of Establishment of PEOs

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-The data in each of the files is collected, documented, and ma 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)

The following table shows the mapping between PEOs and key components of mission statement of the Department.

PEO Statements	High quality academic programmes(M1)	Training activities (M2)	Research facilities (M3)	Industry institute interaction(M4)	Employ ability (M5)	Entrepre Neurshi p (M6)	Leader Ship (M7)
PEO1: To create and sustain a community of learning in which students acquire knowledge and learn to apply it professionally with due consideration for ethical, ecological and economic issues.	3	3	3	2	2	2	3
PEO2: To provide knowledge-based services to satisfy the needs of society and the industry by providing hands on experience in various technologies in core field.	3	3	2	3	2	2	2
PEO3: To make the students to design, experiment, analyze, interpret in the core field with the help of other multidisciplinary concepts wherever applicable.	3	2	3	2	2	2	2
PEO4: To educate the students to disseminate research findings with good soft skills and become a successful entrepreneur.	3	3	3	3	2	3	3
PEO5: To graduate the students in building national capabilities in technology, education & research.	3	3	3	3	3	3	3

PEO Statements	M1
PROFESSIONALISM & CITIZENSHIP: To create and sustain a community of learning in which students acquire knowledge and learn to apply it professionally with due consideration for ethical, ecological and economic issues.	3
TECHNICAL ACCOMPLISHMENTS: To provide knowledge based services to satisfy the needs of society and the industry by providing hands on experience in various technologies in core field.	3
INVENTION, INNOVATION AND CREATIVITY: To make the students to design, experiment, analyze, interpret in the core field with the help of other multi disciplinary concepts wherever applicable.	3
PROFESSIONAL DEVELOPMENT: To educate the students to disseminate research findings with good soft skills and become a successful entrepreneur.	3
HUMAN RESOURCE DEVELOPMENT: To graduate the students in building national capabilities in technology, education and research.	3

2 PROGRAM CURRICULUM AND TEACHING - LEARNING PROCESSES (100)

2.1 Program Curriculum (30)

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

Curriculum can be defined as a "web of interrelated and aligned activities" working together to achieve certain learning outcomes.Simply stated, curriculum is a "plan for learning" (Thijs & van den Akker, 2009). The curriculum specifies the learning demonstrate before proceeding to the next level. An evidence-based curriculum provides students with the necessary skills and knowledge, functioning as a road map directing instructors and students to academic success.

Curriculum planning should be extensive, emphasizing cognitive growth domains and social, emotional, and aesthetic development. A student-centered approach to curriculum planning encourages diversification, adaptability, and consistency across le

Thoughtful consideration is imperative to accomplish the primary objective of the planning process- successful student learning in an organized and systematic manner. Designing a well-conceived curriculum with learning objectives in mind can ser while guaranteeing that the teacher effectively conveys the right content to the students.

Curriculum planning induces well-coordinated, quality teaching, learning, and assessment programs enhancing students' disciplinary knowledge and behaviors alongside their interdisciplinary, physical, personal, and social aptitudes.

Curriculum development is a multi-step, ongoing, and cyclical process aimed at designing an effective curriculum. The process is initiated following a program review where interest stems from the recognition that a revitalization of their current curriculu

Curriculum Planning can achieve the intended student development outcomes by the following key ways:

1. Define Learning Goals and Objectives

A curriculum plan incorporates multiple scheduled activities and learning objectives while defining the target outcomes regarding each subject. It serves as a road map, laying out your course and the actions required to realize the purpose of education

Students can understand what is expected of them to achieve their true potential. Distinct goals provide a directive, keep students motivated, engaged, and focused on their learning, leading to better academic outcomes.

2. Consistent and Coherent Content

A well-planned curriculum aids in preventing or eliminating gaps in learning and ensures optimum coverage of all domains within the curriculum. Continuity of learning between fields across various levels enables a logical progression of instruction, buil

Cohesiveness in teaching, learning, and assessment practices ensures the entire scope of students' learning needs is addressed.

3. Improved Assessment and Feedback

Curriculum planning marks student progression on a learning curve, providing a reference point for evaluating the learning progress. Teachers can formulate assessments that accurately measure student growth by establishing clear learning objectiv to provide immediate feedback to students by identifying areas of strength and progress, reaching out to extend support, and making necessary adjustments to curriculum and delivery methods to facilitate student comprehension.Curriculum plar teachers are motivated to reflect on their practice, share feedback, and refine their strategies over time, leading to better outcomes for students while supporting the ongoing professional growth and development of teachers.

4. Increased Engagement and Motivation

A curriculum built around student needs, interests, and goals of students garners engagement and motivation. Curriculum planning, wherein learner-centeredness is the essence, yields higher student satisfaction and retention rates.Assignme differentiated lesson plans encourage students to seek answers, exercise their imagination and discretion, and help them develop into confident and self-directed individuals.

5. Personalized learning

The delivery of personalized learning solutions that complement each unique learning preference and cater to individual academic strengths is made possible by careful curriculum development.A student-oriented approach to curriculum planning rep strategies tailored to student needs. A learner-centered curriculum enables the attainment of individual educational aspirations while providing affluent opportunities to improve student learning abilities through a self-directed learning path.

6. Collaboration and Consistency

Collaboration is an essential facet of planning as it enables teachers to pool their expertise, knowledge, and resources to create a cohesive and consistent learning experience for their students.Teachers can share their perspectives, insights, and st more effective teaching and learning process when they work in unison to plan a curriculum. Sharing resources such as lesson plans, instructional materials, and assessments mitigates the workload and avoids duplication of effort.They can also ben assist in determining their strengths and weaknesses and making alterations to the curriculum as necessary.Working together to develop common instructional goals and standards ensures that students are exposed to the same concepts and s consistency in teaching across classrooms.
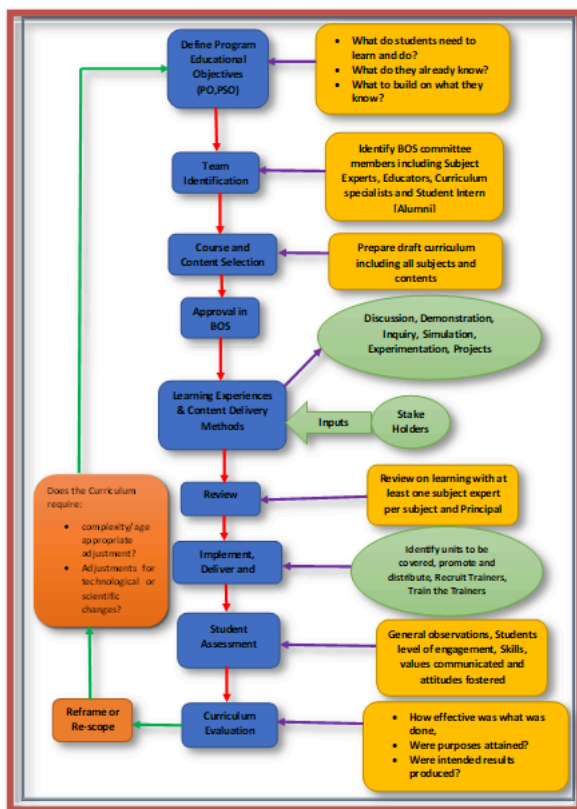
Figure 2.1.1.1:Flowchart of the Curriculum Design Process

Stages of the curriculum design process:

- **Identify the needs of stakeholders (i.e., students) early on in the curriculum design process:** This can be done through needs analysis, which involves collecting and analyzing data related to the learner. This data might include what le particular area or skill. It may also include information about learner perceptions, strengths, and weaknesses.
- **Create a clear list of learning goals and outcomes:** This will help you focus on the intended purpose of the curriculum and allow you to plan instruction to achieve desired results. Learning goals are the things teachers want students to ac knowledge, skills, and attitudes students should have achieved in the course.
- **Identify constraints that will impact your curriculum design:** For example, time is a common constraint that must be considered. There are only so many hours, days, weeks or months in the term. If there isnt enough time to deliver all of outcomes.
- **Consider creating a curriculum map (also known as a curriculum matrix) allowing you to properly evaluate the sequence and coherence of instruction:** Curriculum mapping provides visual diagrams or indexes of a curriculum. Analy to quickly and easily identify potential gaps, redundancies, or alignment issues in the sequencing of instruction. Curriculum maps can be created on paper or with software programs or online services designed specifically for this purpose.
- **Identify the instructional methods used throughout the course and consider how they will work with student learning styles:** If the instructional methods are not conducive to the curriculum, the instructional design or the curriculum desi
- **Establish evaluation methods that will be used at the end to assess the learners, instructors, and the curriculum:** Evaluation will help you determine if the curriculum design is working or is failing. Examples of things that should curriculum and achievement rates related to learning outcomes. The most effective evaluation is ongoing and summative.
- **Remember that curriculum design is not a one-step process:** continuous improvement is a necessity. The curriculum design should be assessed periodically and refined based on assessment data. This may involve making alterations to th learning outcomes or a certain level of proficiency will be achieved at the end of the course.

R20 CURRICULUM DESIGN FLOWCHART SPECIFYING THE PRE-REQUISTES FOR EACH COURSE
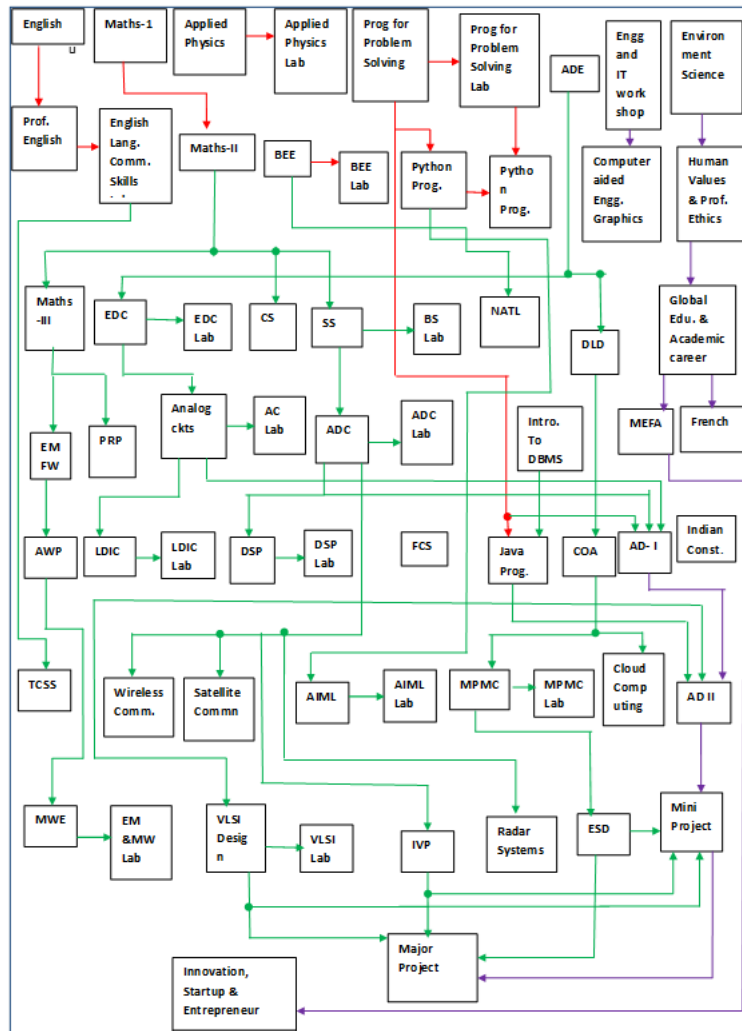
Figure 2.1.1.2:R20 Curriculum Design Flowchart Specifying the Pre-Requistes for each Course

BOARD OF STUDIES

A Board of Studies (BoS) is a statutory body that is a fundamental part of an academic institutions system.

The BoSs functions include:

- Creating and updating course content
- Introducing new courses
- Recommending courses of study, teaching, and examination schemes
- Preparing panels of examiners and paper setters
- Advising on matters related to their respective subjects
- Recommending books and reading materials

- Determining details of continuous assessment

COMPOSITION OF BOARD OF STUDIES:

The composition of the Board of Studies is given below:

(a) The Head of the Institution as Chairman.

(b) All Professor / Associate Professor / Assistant Professor of the Department.

(c) One senior professor to be co-opted by the BoS from other department nominated by the Director in consultation with Head of Department (If necessary).

(d) One subject expert (ACADEMIC) nominated by the Director on the recommendation of the Head of concerned Department. a. Experts should be from (i) IISc / IITs / NITs / other reputed academic Institutions (Government / Aided)

(e) One subject expert (R&D / INDUSTRY) nominated by the Director on the recommendation of the Head of concerned Department. a. Experts should be from Central / State Organization / R&D labs or from the Industry

(f) In addition to the above members, One Senior Alumni (ACADEMIC / R&D / INDUSTRY) to be co-opted by the BoS nominated by the Director in consultation with Head of the Department. (If necessary).

CONSTITUTION AND FUNCTIONS OF BOARD OF STUDIES:

1. The BoS shall be constituted by the department for a period of THREE years.

2. The meetings of the BoS shall be arranged at least ONCE IN A YEAR.

3. The members of the BoS will be nominated by the Director from the list recommended by the Head of the department.

4. In the absence of the Chairman (BoS), the senior member of the BoS will act as Chairman with the director's approval.

5. The BoS shall co-opt experts in a particular field as a member of BoS with prior approval of the Director.

6. The Board of Studies shall have a power:

a.To prepare a detailed content of different courses of each department and submit to the Senate for approval.

b.Revise / update the contents of the syllabi from time to time and submit to the Senate for approval.

Sample BOS Meeting Documents

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

June 25, 2020

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
BOS MEETING

I. AGENDA

1. Discuss the guidelines for the Autonomous Colleges during XII Plan period 2012-17 published by UGC, New Delhi and AICTE Model Curriculum 2018.
2. Composition of BOS-ECE
3. Discuss the Curriculum Structure and detailed Syllabus of First Year B.Tech Program
4. Discuss the curriculum structure of II, III and IV B.Tech Program and detailed Syllabus of II B.Tech Program.
5. Discuss the curriculum structure of M.Tech (VLSI & Embedded Systems) and detailed syllabus of I Year M.Tech program.

II. LIST OF MEMBERS ATTENDED THROUGH ONLINE

S.No	Name of the Member	Designation	Responsibility	Signature
1.	Dr S Srinivasa Rao	Professor & Head	Chairman	
2.	Prof P Sanjeeva Reddy	Director	Member	
3.	Dr T Satya Savithri JNTUH Nominee	Professor Dept. of ECE, JNTUCEH	Member	
4.	Dr TD Bhatt Academic Council Nominee	Professor Dept. Of ECE, MGIT	Member	
5	Sri Ramesh Naidu Industry Nominee	Apply Volt Hyderabad	Member	
6	Dr B Jyothi	Professor,MRCET	Member	
7	Dr K Mallikarjuna Lingam	Professor, MRCET	Member	
8	Dr GS Naveen Kumar	Professor, MRCET	Member	
9	Dr M Sucharitha	Professor, MRCET	Member	
10	Dr VM Senthil Kumar	Professor, MRCET	Member	
11	Dr S Sasikanth	Professor, MRCET	Member	
12	Dr N Subhash	Professor,MRCET	Member	
13	Mrs P Anitha PG Coordinator	Assoc.Prof, MRCET	Member	
14	Mr Harikrishna	PG Student	Member	

Figure 2.1.1.3:Sample BOS Meeting Documents-2020

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)

December 21, 2022.

DEPARTMRNT OF ELECTRONICS AND COMMUNICATION ENGINEERING
BOS MEETING

I. AGENDA

1. Composition of BOS-ECE
2. Discuss the R22-Curriculum structure and detailed syllabus of I & II Year B.Tech Program.
3. Discuss the curriculum structure of M.tech (VLSI & Embedded Systems) and detailed syllabus of I Year M.tech program.

II. LIST OF MEMBERS ATTENDED THROUGH ONLINE

S.No	Name of the Faculty	Designation	Responsibility	Signature
1	Dr K Mallikarjuna Lingam	Professor & Head	Chairman	
2	Prof P Sanjeeva Reddy	Dean, International Studies	Member	
3	Dr T Venugopal	Dean, Students Welfare	Member	
4	Dr L Pratap Reddy JNTU Nominee	Professor & Head Dept. of ECE, JNTUCEH	Member	
5	Dr N Sreekanth Academic Council Nominee	Professor Dept.of ECE, MRECW	Member	
6	Dr P Ashok Babu Academic Council Nominee	Professor Dept.of ECE, IARE	Member	
7	Sri N Ramesh Naidu Industry Nominee	Apply Volt Technologies Territorial Manager	Member	
8	Dr B Jyothi	Professor, MRCET	Member	
9	Dr C Ravi Shankar Reddy	Professor, MRCET	Member	
10	Dr N Subash	Professor, MRCET	Member	
11	Ms Nilofer	PG Student	Member	

MRCET

Maisammaguda, Dhulapally, Secunderabad - 500100, Telangana State, India. **website: www.mrcet.ac.in**
Contact: 9133555162 / 9133555183, E-Mail Id: mrcet2004@gmail.com; **EAMCET/ICET/PGECET Code : MLRD**

Figure 2.1.1.4:Sample BOS Meeting Document-2022

Figure 2.1.1.5:Sample BOS Meeting Document-2024

BOS Meeting-July 19,2024

AGENDA

1. Composition of BOS-ECE
2. Discuss the R22 Course Structure and detailed syllabus of III & IV year B.Tech program.
3. Discuss the R24 Course Structure and detailed syllabus of II year B.Tech Program.
4. Discuss the Curriculum structure of M.Tech (VLSI & Embedded Systems) and detailed syllabus of I year MTech

LIST OF BOS MEMBERS:2024

Table 2.1.1.1:List of BoS Members- 2024

S.No	Name of the Member	Designation	Responsibility
1	Dr K Mallikarjuna Lingam	Professor & HOD	Chairman
2	Dr T Venugopal	Dean, Student welfare	Member
3	Dr K Anitha Sheela JNTUH Nominee	Professor Dept of ECE, JNTUH	Member
4	Dr B Lakshmi Academic Council Nominee	Professor Dept of ECE, NIT Warangal	Member
5	Dr N Sreekanth Academic Council Nominee	Professor Dept.of ECE, MRECW	Member
6	Mr N Ramesh Naidu Industry Nominee	Craftronics India Pvt. Ltd	Member
7	Dr B Jyothi	Professor, MRCET	Member
8	Dr M Arun Kumar	Professor, MRCET	Member
9	Dr Sadanand Yadav	Professor, MRCET	Member
10	Ms V Geetha	PG Student	Member

2.1.2 Structure of the Curriculum (5)

ID	Course Code	Course Title	Lecture (L)	Tutorial (T)	Practical (P)	Total Hours	Theory
1	R20A0001	English	2	0	0	2	2
2	R20A0021	Mathematics–I	3	1	0	4	4
3	R20A0011	Applied Physics	3	0	0	3	3
4	R20A0401	Analog & Digital Electronics	3	0	0	3	3
5	R20A0501	Programming for Problem solving	3	0	0	3	3
6	R20A0082	Applied Physics Lab	0	0	3	3	0
7	R20A0083	Engineering and IT Workshop	0	0	4	4	0
8	R20A0581	Programming for Problem Solving Lab	0	0	3	3	0
9	R20A0014*	Environment Science	2	0	0	2	0
10	R20A0002	Professional English	2	0	0	2	2
11	R20A0022	Mathematics– II	3	1	0	4	4
12	R20A0201	Basic Electrical Engineering	3	0	0	3	3
13	R20A0301	Computer aided Engineering Graphics	2	0	2	4	3
14	R20A0502	Python Programming	3	0	0	3	3
15	R20A0081	English Language Communication Skills Lab	0	0	4	4	0
16	R20A0281	Basic Electrical Engineering Lab	0	0	3	3	0
17	R20A0582	Python Programming Lab	0	0	3	3	0
18	R20A0003*	Human Values& Professional Ethics(audit)	2	0	0	2	0
19	R20A0023	Mathematics-III	3	0	0	3	3
20	R20A0402	Electronic Devices & Circuits	3	0	0	3	3
21	R20A0403	Signals & Systems	3	0	0	3	3
22	R20A0205	Control Systems	3	0	0	3	3
23	R20A0404	Digital Logic Design	3	0	0	3	3

24	R20A0262	Network Analysis & Transmission Lines	3	0	0	3	3
25	R20A0481	Electronic Devices & Circuits Lab	0	0	3	3	0
26	R20A0482	Basic Simulation Lab	0	0	3	3	0
27	R20A0008	Global Education& Professional Career(audit)	2	0	0	2	0
28	R20A0405	Analog Circuits	3	0	0	3	3
29	R20A0406	Analog & Digital Communications	3	0	0	3	3
30	R20A0407	Electromagnetic Fields & Waves	3	0	0	3	3
31	R20A0408	Probability & Random Processes	3	0	0	3	3
32	R20A0061	Managerial Economics & Financial Analysis	3	0	0	3	3
33	OE-I	OPEN ELECTIVE-I	3	0	0	3	3
34	R20A0483	Analog Circuits Lab	0	0	3	3	0
35	R20A0484	Analog & Digital Communications Lab	0	0	3	3	0
36	R20A0004	Foreign Language: French/German	2	0	0	2	0
37	R20A0409	Digital Signal Processing	3	0	0	3	3
38	R20A0410	LDIC	3	0	0	3	3
39	R20A0411	Computer Organization & Architecture	3	0	0	3	3
40	PE-I	PROFESSIONAL ELECTIVE-I	3	0	0	3	3
41	PE-II	PROFESSIONAL ELECTIVE-II	3	0	0	3	3
42	OE-II	OPEN ELECTIVE-II	3	0	0	3	3
43	R20A0485	Digital Signal Processing Lab	0	0	3	3	0
44	R20A0486	LDIC Lab	0	0	3	3	0
45	R20A0491	Application Development-I	0	0	4	4	0
46	R20A0007	Indian Constitution	2	0	0	2	0
47	R20A0416	Microprocessors & Microcontrollers	3	0	0	3	3
48	R20A0566	Artificial Intelligence & Machine Learning	3	0	0	3	3

49	PE-III	PROFESSIONAL ELECTIVE-III	3	0	0	3	3
50	PE-IV	PROFESSIONAL ELECTIVE-IV	3	0	0	3	3
51	OE III	OPEN ELECTIVE-III	3	0	0	3	3
52	R20A0487	Microprocessors & Microcontrollers Lab	0	0	3	3	0
53	R20A0588	AI & ML Lab	0	0	3	3	0
54	R20A0492	Application Development-II	0	0	4	4	0
55	R20A0006	Technical Communication & Soft Skills	2	0	0	2	0
56	R20A0423	VLSI Design	3	0	0	3	3
57	R20A0424	Microwave Engineering	3	0	0	3	3
58	R20A0425	Embedded System Design	3	0	0	3	3
59	PE-V	PROFESSIONAL ELECTIVE-V	3	0	0	3	3
60	PE-VI	PROFESSIONAL ELECTIVE-VI	3	0	0	3	3
61	R20A0488	VLSI Lab	0	0	3	3	0
62	R20A0489	EM & MW Lab	0	0	3	3	0
63	R20A0493	Mini Project	0	0	6	6	0
64	R20A0337	Innovation, Start-ups,& Entrepreneurship	3	1	0	4	4
65	R20A0494	Major Project	0	0	20	20	0
		Total	**126**	**3**	**86**	**215**	**118**

2.1.3 State the components of the curriculum (5)

Edit | Save

Course Components	Curriculum Content (% of total number of credits of the program)	Total number of contact hours
Basic Sciences	9.6875	17.00

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)

Establishing a "clear picture of what is important for students to be able to do, organizing the curriculum, instruction, and assessment to make sure that learning ultimately happens" is emphasized by Learning Outcome Based Education (LOBE).

Learning Outcome Based Education (LOBE) model places a strong emphasis on the significance of Program Outcomes(POs)which are essential for curriculum deisgn and guiding the course of all outcome levels, including course,unit and results of the

Key points of action under the LOBE approach comprise the following:

1. Define exit outcomes with the active participation of all stakeholder groups

2.Redesignthecurriculum with an emphasis on problem and issue based content and continuous development of student abilities along with all major competence dimensions

3. Redefine performance and standards to provide regular reports on actual student learning levels

 in all key outcome areas.With a constant focus on multimodality active learning by individuals and

 Learning teams, create "high engagement/high activity" classrooms manned by a range of internal and external specialists.
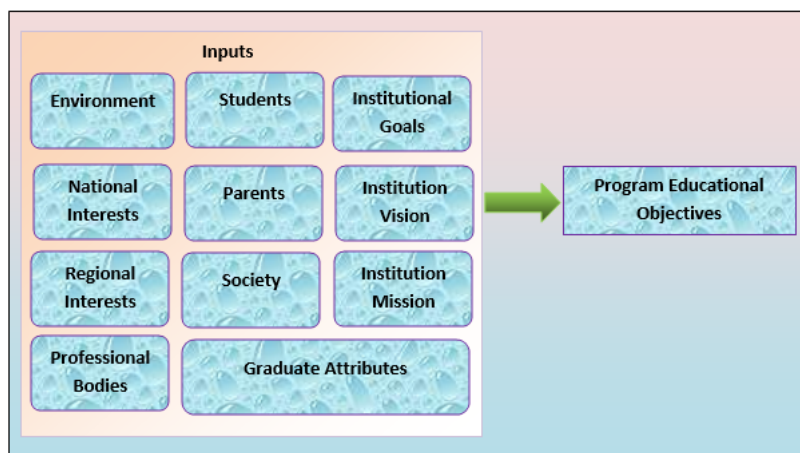
Figure 2.1.4.1:Organizational inputs to PEOs

Focusing on the use of appropriate instruction and pedagogy, organizing teaching and learning processes around students career advancement and placement, choosing and designing appropriate assessment modes, and ensuring that programs are
s are all made possible by the Learning Outcome Based Education approach.

Following a studentcentric learning method that gauges performance based on a predetermined set of outcomes is the cornerstone of learning outcome-based education.

Learning outcome-based education has several important benefits, including: bringing about reforms to the curriculum framework that must be outcome-based; continuously improving academic resources; improving the caliber of research
learning processes; helping students understand what is expected of them upon program completion; and helping teachers focus on what, how, and evaluate to teach.

Program learning outcomes can be measured by identifying relevant competencies and performance indicators (PI), since they offer guidance for curriculum design, instruction/delivery, and assessment procedures.

Determining the competencies for every program learning outcome is crucial since it clarifies what the students should do.Program learning outcomes can be measured by identifying relevant competencies and performance indicators (PI), since they
nd assessment procedures. Determining the competencies for every program learning outcome is crucial since it clarifies what the students should do.

Performance   Indicators   (PI),   which   are   statements   of   expectations   for   students   learning,   must   be   defin
It serves as an assessment tool and makes it clear how far results have been achieved.Therefore, in order to accomplish both course and program learning outcomes, the assessment technique and plan must be mapped to the performance indicators

Outcome-based education is a unique educational methodology that specifies particular learning outcomes. It encourages the development of teaching and learning practices to attain the established outcomes.

It is in stark contrast to the traditional educational system, which focuses more on syllabus completion and examination. In fact, outcome-based education prioritizes measuring the knowledge, skills, and capabilities that learners must attain by the end

Also, identifying the learning outcomes is the first step in the process, which includes the information and abilities that learners succeed at demonstrating by the course's end. The next step involves careful planning of the curriculum, teaching methods,

The unique educational method defines the learning competencies or outcomes that students must achieve by the end of the program. It focuses on students' factual knowledge, ability to demonstrate their skills, and understanding of critical concepts.

Steps to Implement Outcome-Based Education

A well-planned framework forms the foundation of any educational methodology, which includes essential steps such as the following:
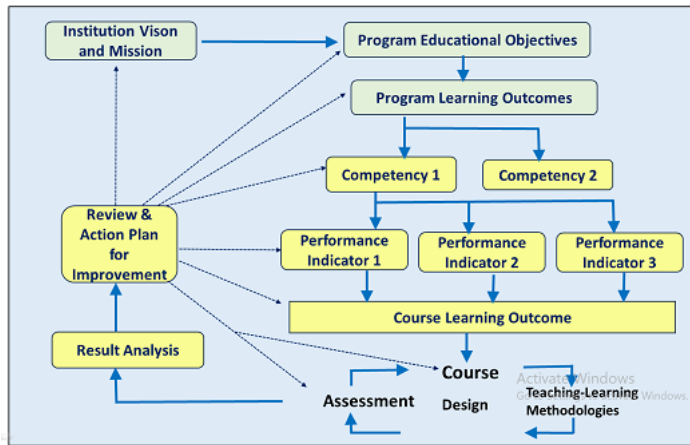
Figure 2.1.4.2: Vision, Mission and outcomes

Highlight Institutional Mission and Vision

Developing institutional mission and vision statements is one of the initial tasks that highlights the aspirations of the educational institute. Besides, these statements align with the respective goals that colleges and universities want to achieve in the long

Vision Statements: They describe an institute's ambitions for the future and the impact it wants to have on its students. Also, these statements are usually ambitious and idealistic.

Example of a Vision Statement: To be an outstanding center for research and innovation, helping to produce solutions to crucial issues.

Mission Statements: They describe the primary purpose of an institute and the specific actions it takes to achieve its vision.

Example of Mission Statement: To provide an enriching educational experience to all students that improves critical thinking and communication skills.

Establish Program Educational Objectives

Program educational objectives (PEOs) refer to broad statements that describe the professional and career goals that students must attain within a specific timeframe. Furthermore, they indicate a long-term impact of the program on the student's profe

Therefore, PEOs are future-oriented, describing the competencies or capabilities that they can show in the future. They entail a wide range of skills and knowledge, which enables them to function effectively in their chosen fields.

Also, they must align with the student learning outcomes; hence, getting input from faculty, alumni, and other stakeholders helps to develop relevant PEOs.

Figure 2.1.4.3:Steps to implement Outcome Based Education

Develop Program Learning Outcomes

Program learning outcomes (PLOs) are measurable statements that relate to knowledge, skills, and capabilities that students achieve after completing a program. Therefore, avoiding technical jargon and using action verbs to write the statements is an

For example, teachers can refer to Bloom's Taxonomy to develop PLOs, helping to highlight the specific knowledge and skills within the program. However, the focus must be on what the students will learn rather than the attributes of the program.

For example, students will be able to develop and implement algorithms and solve programming problems.

Create a Curriculum Map

How can teachers ensure that they have covered all the core topics? How do you ascertain the connection between PEOs and PLOs? Addressing and answering these questions is important to monitor the overall progress of the course, program, and

Furthermore, a curriculum map can be a spreadsheet, table, chart, or mindmap; it depends on the educator's preference. It must include the following features:

Topics or Units: The primary themes or focus areas of the program.

Learning Objectives: Particular measurable goals according to each topic and area.

Instructional Methods: teaching methodologies and pedagogies that teachers use within the classroom, helping students attain objectives.

Assessments: evaluation techniques and strategies that teachers use to assess student learning and individual progress.

Timeline: A timeframe for exploring each topic within the program's schedule.

Developing Assessment Strategies

One of the main objectives of outcome-based education is to ensure the development of all students. Therefore, employing outdated assessment techniques is ineffective as it serves to assess subject-related knowledge.

On the contrary, implementing different types of assessment techniques helps measure student achievement in terms of learning outcomes. Some of the effective assessment techniques include:

Individual or group projects: These allow learners to research, plan, and develop projects that showcase their understanding and application of skills.

Presentations: Students present their findings, solutions, and analyses.

Self-Assessment and Peer Review: Learners reflect on what they have learned so far, helping to identify areas of strength and weakness. On the other hand, peer reviews provide a chance to exchange constructive feedback with each other.

Use Rubrics

Rubrics are useful tools as they provide clear guidelines for students and teachers and help them identify quality performance with regard to learning outcomes. The first step in building a rubric includes recognizing the key criteria relating to different a

The second step includes establishing precise performance levels for each criterion; the levels can range from "unsatisfactory" to "exemplary" and describe the quality of work. Also, using clear and concise language to describe the different performanc

Implement Changes

Flexibility is a crucial feature of OBE, making it feasible for teachers to use different approaches whenever a particular technique does not work out. It includes updating the program strategy according to the learning requirements.

Likewise, teachers can use a different assessment method if a particular method does not align with student learning outcomes.

Continuous Improvement

Outcome-based education is an ongoing process that requires ongoing evaluation through different mechanisms. Educators and institutes ensure continuous improvement through the following process:

Data Gathering: Teachers collect student performance-related data regularly through surveys, assessments, and feedback mechanisms.

Results Analysis: Analyzing the data to point out areas where students have been doing well and areas for improvement.

Moreover, educators use the data to re-evaluate and refine the learning outcomes, ensuring that they are relevant to the program goals. Likewise, they modify the curriculum content, teaching methods, and learning activities depending on students' act

---

2.2 Teaching-Learning Processes (70)

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

The teaching methods encompass a diverse array of innovative approaches, pedagogies, and strategies aimed at enhancing learning outcomes, engagement, and student success in education. These methods prioritize active learning, critical personalized instruction, moving away from traditional rote learning and lecture-based instruction. The teaching methods represent a transformative approach to education, reshaping the way students learn and educators teach in the 21st centur pedagogies, leveraging technology, and prioritizing student-centered learning, educators can create dynamic and inclusive learning environments that inspire curiosity, critical thinking, and collaboration. While challenges such as access to techno assessment remain, the potential of the teaching methods employed revolutionize education and prepare students for success in a rapidly changing world. By continuing to explore and implement evidence-based practices the full potential of these m imbibed and empowers learners to thrive in the digital age.

The teaching-learning process, or the education process, has been defined as a systematic, sequential, planned course of action on the part of both the teacher and learner to achieve the outcomes of teaching and learning.It is a Combined process understanding needs, establishes particular learning objectives, formulates teaching and memorizing strategies, enforces a plan of work, and assesses the outcomes of the instruction.

The Teaching-Learning process adopts different methods such as experiential learning, participative learning and problem solving methodologies utilizing ICT facilities, LMS and e-resources. All the academic activities are carried out strictly followin calendar.

- Department encourages academic discussions between faculties and students using black board and faculties shares academic study material using it.
- Expert video subject lectures delivered by the various eminent resource persons are available in the digital library and it facilitates the faculty and students to utilize E-Tutorials of NPTEL, MOOCs access E-Journals, Video Conference, etc.
- Faculty members use department library, digital library and other Open Source platforms to enhance their teaching skills.
- The faculty members are encouraged to participate in short term courses, staff development programs and workshops on advanced topics to keep pace with the advanced level of knowledge and skills.

Figure 2.2.1.1:Modern Teaching Methods

The teaching methods include:

- **Active Learning:** Active learning involves engaging students in hands-on, interactive activities that encourage them to explore concepts, solve problems, and apply knowledge in real-world contexts. Examples include group discussions, learning, and experiential learning activities.
- **Flipped Classroom:** In a flipped classroom model, students learn new concepts independently through online lectures, videos, or readings outside of class, while class time is reserved for collaborative activities, discussions, and application of of the teacher.
- **Project-Based Learning (PBL):** Project-based learning involves students working on extended, multidisciplinary projects that address real-world challenges or problems. PBL encourages inquiry, collaboration, and critical thinking skills as stu present solutions to authentic problems.
- **Inquiry-Based Learning:** Inquiry-based learning encourages students to ask questions, explore topics, and investigate phenomena through guided inquiry and discovery. Teachers facilitate the learning process by posing open-ended questio supporting student-led investigations.
- **Technology Integration:** Modern teaching methods leverage technology to enhance instruction, provide interactive learning experiences, and facilitate communication and collaboration among students and educators. This includes using platforms, educational apps, and virtual reality tools to create dynamic learning environments.
- **Differentiated Instruction:** Differentiated instruction involves tailoring teaching methods, content, and assessment to accommodate diverse learning styles, abilities, and interests of students. Teachers provide multiple pathways for learning ar to meet individual student needs.
- **Collaborative Learning:** Collaborative learning encourages students to work together in groups or teams to solve problems, complete projects, and achieve common goals.Collaborative activities promote communication, teamwork, and interpe sense of community and shared responsibility for learning.
- **Assessment for Learning:** Modern teaching methods emphasize ongoing formative assessment practices that provide timely feedback to students on their progress and understanding. Assessment methods include quizzes, peer evalua performance tasks that inform instruction and guide student learning.

- **V.A.K. stands for 'Visual Audio Kinesthetic'**. In this method, the teacher puts students in visual, audio, and kinesthetic groups (whichever the student is more comfortable with). Some students learn by watching videos, animation, action, or wo listening to lectures, audio files, or explanations, and some learn by doing physical movements (for example, practicals in sciences). This method is more effective when there are individual differences.

Modern teaching methods offer several advantages over traditional approaches, catering to diverse learning styles, engaging students more effectively, and preparing them for success in the 21st century. Some key advantages of modern teaching met

- Enhanced Student Engagement: Modern teaching methods prioritize active learning, collaboration, and hands-on activities, which increase student engagement and motivation. Students are more likely to participate actively in class discussions, they feel involved and invested in their learning.
- Improved Learning Outcomes: By emphasizing critical thinking, problem-solving, and application of knowledge, modern teaching methods promote deeper understanding and retention of concepts. Students are better able to transfer their learni apply it in new situations, leading to improved learning outcomes.
- Personalized Learning: Modern teaching methods allow for greater flexibility and customization of instruction to meet the individual needs, interests, and learning styles of students. Teachers can differentiate instruction, provide targeted supp experiences to accommodate diverse learners effectively.
- Development of 21st Century Skills: Modern teaching methods foster the development of essential 21st-century skills such as communication, collaboration, creativity, and critical thinking. These skills are highly valued in todays workforce and a rapidly changing world.
- Preparation for the Digital Age: With the integration of technology into instruction, modern teaching methods prepare students to navigate and thrive in the digital age. Students gain digital literacy skills, learn to use technology for learning and pr at accessing and evaluating digital information.
- Promotion of Lifelong Learning: Modern teaching methods cultivate a culture of inquiry, curiosity, and lifelong learning, encouraging students to become independent, self-directed learners. By fostering a growth mindset and a love for learni students to continue learning beyond the classroom.
- Increased Collaboration and Communication: Modern teaching methods emphasize collaborative learning experiences, where students work together in groups or teams to solve problems, share ideas, and learn from one another. This p communication skills, teamwork, and social-emotional competencies.
- Integration of Real-World Contexts: Modern teaching methods connect learning to real-world contexts and authentic problems, making learning more meaningful and relevant to students lives. Students see the practical applications of their lea relates to their future careers and aspirations.

Guest lectures

Guest lectures enable the students in enriching the latest updates regarding avenues for higher studies and jobs as well as the need of the industry. The fascinating lectures on various topics boost the confidence of new aspirants as the lectures en and answer session.

Guest lectures provide an important educational experience for students based on their real-world life experiences. Students get to see the insight and perspective of the guest lecturers' specific field. The format can enable students to interact with informal settings. Through discussions, interpersonal competence and communicative skills are fostered.

The colleges invite guest lecturers within the college premises to deliver lectures to the students.

Figure 2.2.1.2:Types of Teaching Methods

Quality of laboratory experience with regard to conducting experiments

Integrated instructional units interweave laboratory experiences with other types of science learning activities, including lectures, reading, and discussion. Students are engaged in framing research questions, designing and executing experiments, ga and constructing arguments and conclusions as they carry out investigations. Diagnostic, formative assessments are embedded into the instructional sequences and can be used to gauge student's developing understanding and to promote their self-re

With respect to laboratory experiences, these instructional units share two key features. The first is that specific laboratory experiences are carefully selected on the basis of research-based ideas of what students are likely to learn from them. laboratory activity is likely to contribute to learning only if it engages students' current thinking about the target phenomena and is likely to make them critically evaluate their ideas in relation to what they see during the activity. The second is that explicitly linked to and integrated with other learning activities in the unit. The assumption behind this second feature is that just because students do a laboratory activity, they may not necessarily understand what they have done. Nascent research units suggests that both framing a particular laboratory experience ahead of time and following it with activities that help students make sense of the experience are crucial in using a laboratory experience to support science learning.

When a primary goal of a program or course is to train students for jobs in laboratory settings, they must have the opportunity to learn to use and read sophisticated instruments and carry out standardized experimental procedures. The critical ques skills through laboratory experiences may not be whether laboratory experiences help students learn them, but how the experiences can be constructed so as to be most effective in teaching such skills.

Everyone learns differently, and learning styles can vary from person to person, from visual, to aural, verbal, physical or logical learning styles. But there's one type of learning that benefits most students, and that's practical learning.

When studying, it's important to get a hands-on understanding of the subject and how the theory applies to real-life situations. Practical learning allows the student to quicklyadapt for daily challenges and scenarios and allows to get a better understan learning goals of laboratory experiences include enhancing mastery of science subject matter, developing scientific reasoning abilities, increasing understanding of the complexity and ambiguity of empirical work, developing practical skills, increasing of science, cultivating interest in science and science learning, and improving teamwork abilities.

The research suggests that laboratory experiences will be more likely to achieve these goals if they (1) are designed with clear learning outcomes in mind, (2) are thoughtfully sequenced into the flow of classroom science instruction, (3) integrate lear process, and (4) incorporate ongoing student reflection and discussion.

Computer-based representations and simulations of phenomena and large scientific databases are more likely to be effective if they are integrated into a thoughtful sequence of classroom instruction that also includes laboratory experiences.

Key benefits to practical learning:

Improved Skill Set

Practical learning, as mentioned above, has the unique ability to help students apply their skills in a non-classroom environment. While it's important to learn the theory of a topic or subject, getting out and applying the theory to a practical situation existing skills ~ such as problem-solving.

It also allows you to apply your technical knowledge in the field, which is incredibly beneficial in all subjects but particularly in subjects such as horticulture, aged care and disability care.

Provides Hands-On Experience

Practical learning gives students the opportunity to gain hands-on experience and put their skills into practice. This is particularly important for students in science, engineering, and technology, where practical experience is crucial for success.

Increases Understanding

There are some things that need to be experienced to be understood, and this is true for most subjects. For example, a certificate in aged care may prepare you theoretically, but working one-on-one with a senior citizen in need of your help will give yo how to care for something, and the best way to do certain tasks.

Creates a Deeper Impact

Interactive education in the form of practical learning can strengthen your understanding and comprehension on a subject. While theoretical education utilised textbooks and research papers, practical learning allows you to learn things first hand. Th part of education and works incredibly well to improve a student's learning level and understanding.

Better Knowledge Retention

Taking a hands-on approach to learning often results in more ingrained knowledge, with the ability to retain information quickly and for longer periods of time. The reason being that when learning in a theoretical, text-based style, our brains attempt to when learning in a practical environment, we're remembering actions and scenarios which our brains find easier to retain.

Enhances Career Prospects

Practical learning provides students with real-world skills that employers highly value. It helps them develop competencies and knowledge directly applicable to their chosen careers, making them more attractive candidates in the job market.

Encourages Collaboration

Practical learning often involves working in teams, which helps to develop collaboration and teamwork skills. This is important for success in any career, as many jobs require employees to work closely with others to achieve shared goals.

Prepares for Real-World Challenges

Practical learning helps prepare students for real-world challenges and situations they will encounter in their future careers. It provides a safe and controlled environment for students to develop their skills and build their confidence, preparing ther ahead.

A comprehensive list of goals for desired outcomes of laboratory experiences:

1.Enhancing mastery of subject matter: Laboratory experiences may enhance student understanding of specific scientific facts and concepts and of the way in which these facts and concepts are organized in the scientific disciplines.

2.Developing scientific reasoning: Laboratory experiences may promote a student's ability to identify questions and concepts that guide scientific

3.Understanding the complexity and ambiguity of empirical work:Interacting with the unconstrained environment of the material world in laboratory experiences may help students concretely understand the inherent complexity and ambig Laboratory experiences may help students learn to address the challenges inherent in directly observing and manipulating the material world, including troubleshooting equipment used to make observations, understanding measurement error, and i the resulting data.

4.Developing practical skills: In laboratory experiences, students may learn to use the tools and conventions of science. For example, they may develop skills in using scientific equipment correctly and safely, making observations, taking measurem defined scientific procedures.

5.Understanding of the nature of experiments: Laboratory experiences may help students to understand the values and assumptions inherent in the development and interpretation of scientific knowledge, such as the idea that scientific theories change over time on the basis of new evidence.

6.Developing teamwork abilities: Laboratory experiences may also promote a student's ability to collaborate effectively with others in carrying out complex tasks, to share the work of the task, to assume different roles at different times, and to contrib

Ways to encourage bright students

Research projects

Through detailed research on a project of interest to them, students develop critical thinking expertise, as well as effective analytical research and communication skills, that are incredibly beneficial. Ultimately research is essential to the development this is a great skill to develop from an early age. We find that our more able learners really embrace the challenge of research, being able to evaluate their findings and learn in depth about an area of interest.

Design Challenges

Our pupils are encouraged to be open-minded and flexible, thus developing the growth mindset that is so important to developing young mathematicians. The challenge for educators is to encourage this mindset and flexibility so that it stays with these their time in education and beyond.

Academic acceleration

 Instruct them to work ahead to problems of skills that they do not know. To help children learn the value of attaining knowledge in their lives, encourage learning for its own sake, rather than emphasizing the end results or accomplishments. Teach r information; higher level thinking skills for processing it; creative thinking and problem-solving skills for flexibility in approach and generation of information; and communication skills for sharing it.

Participation in Academic contests

Involve students in academic contests. Gifted students tend to be competitive by nature. Therefore, participating in regional and national competitions such as spelling bees, science fairs, and essay competitions will be fun challenges.

Participation in National level Hackathons

During the Hackathons, students implement their coding ideas in National and State level Hackathons organized by reputed Government and private Institutions. students create animated interactive experiences while learning essential prog developing their logic skills; improving their understanding of algorithms and learning how to debug their code. Although this is a challenging activity, many students thrive on this challenge and thoroughly enjoy the experience.Each week students p activities that are intended to help them display their intellectual and independent thinking skills whilst discovering new literature. It is a safe space where they can explore and discuss without the worry of assessment or judgement. The aim is to invite other teachers to join and inspire our discussions.

Allow students to pursue independent projects based on their own individual interests. Independent projects can be assigned on the basis of ability level. Encourage creativity and original thinking among gifted students. Allow them to explore wa issues in creative ways.

Ways to encourage weak students

Remedial classes:

Remedial classes are designed for students who are struggling to meet the standard academic requirements in specific subjects, and are meant to help them catch up to their peers.

Remedial classes are organized in college to assist weak students or the slow learners to improve their performance and understand the basic concepts of a course. Individualized attention during remedial classes helps the students to overcome the and improve their grades in final examination. The main objective of these classes is to provide student centric education to cater the individual needs of the students with well-designed strategies.

 The courses are selected on the basis of previous semester result and level of difficulty. Backlog students and students who voluntarily want to join classes because of difficulty to pace with class are also facilitated with remedial classes.

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

Exams create a structured framework for learning, encouraging diligence and discipline in students. While they can induce stress, when managed effectively, exams instill a sense of accomplishment and readiness for future challenges.

1. Understanding Student's capacity for learning

Both education and examination are essential to gauge the actual student's learning. This process also pinpoints the learning and academic gaps. In this way, exams highlight the need for remedial action. And identify the workable areas.

All examinations are designed in a manner that covers the parts of the course. It helps teachers to know the level to which a student has grasped the subject matter. In addition, it also helps in gauging the need for extra assistance or remedial acti reach the defined benchmark.

2. Identify the Effectiveness of Teaching

Top traditional and online schools have expertise in creating lesson plans. However, both the self-improvement of teachers and the overall improvement of the school hold great importance in the teaching and learning process. Assessments and stude to know if the teaching and learning process is going in the right direction.

All students are unique individuals. And every heterogeneous group needs a separate approach for a productive learning experience. Exam results highlight the need for a teacher's professional development, along with the need to change the teaching

3. Inculcates Discipline

Without examination, education does not serve its real purpose. Students follow a disciplined lifestyle. And develop the necessary study skills to crack exams periodically. All in all, they get motivated to do well and move on to the next grade or cl approach.

Each assessment adds value to a student's preparation techniques and helps hone relevant skills that eventually lead to greater success. Once again, this proves the importance of exams in this highly skill-driven world.

4. Promotes Skills

Students learn varied techniques to manage time, build good study habits, and develop qualities like perseverance while preparing for exams. Students examination also creates 'good stress' that boosts their performance to an altogether different leve

India's educational paradigm is undergoing a major change in the present. A network of online schools has now revolutionized all processes of education, including assessments.

5. Teaches Times Management Skills

Time management is an essential soft skill that can be taught to students. A student's examination is an opportunity that helps them understand the value of time. Discipline is the key to learning the importance of time management for students.

An overview of the type of assessments conducted
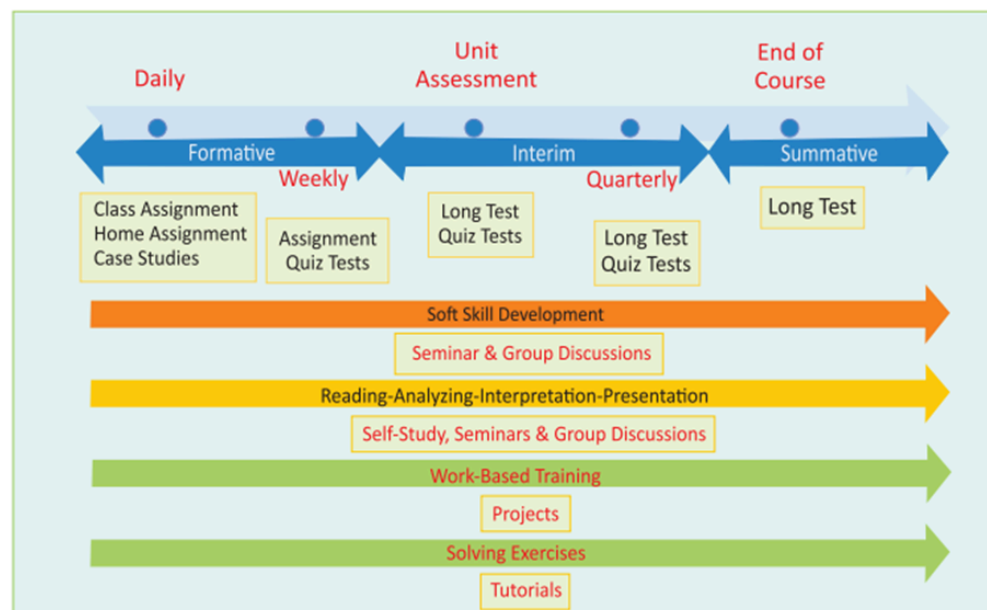
Figure 2.2.2.1:Depiction of the type of assessments conducted

Quality of end Semester Question papers:

Examinations are planned and announced before the commencement of the semester classes, evaluated answer scripts are returned within five days and weak students are monitored and mentored. The same is informed to the parents. By this p attainment is monitored and in turn achieves the PO. Subject wise quizzes are organized and conducted among the students of the class. Laboratory exams, mini projects and main projects contribute to the assessment of practical skills which refl implement ideas and techniques.

Assignments help the students to better understand, analyze and improve the presentation of the given topic in the concerned subjects. As per JNTU curriculum, assignments are a part of program curriculum as per R13 regulation.

But right from the inception of the department, assignments are included in the program curriculum to improve the students understanding capabilities which in turn help to attain the defined POs

Reports, oral presentation and viva-voce contribute to the assessment of overall communication skills and dissemination of ideas. .These assessments are carried out periodically and hence allow the faculty members to monitor and provide attention t be attaining the PO's to the required level. This ensures that all students attain the minimum level of each programme outcomes.

Perspectives that every Faculty should take care while setting a Question Paper:

- Objective and scope of the examination
- Relative weight age of the concepts
- Selection of questions
- Evaluation aspects

The toughness level of question paper should be such that 50% of it can be attempted by even an average student, 20% by good students and the rest 30% by intelligent students. Further, strict rules are framed for evaluation of question papers students are tested at the end of a semester or academic year to find out the outcome of their learning in the classroom. A good exam paper should be prepared to test them in all the areas of learning. The students are tested for their skills acquired in of a semester or academic year. This test should be comprehensive and they should be tested in all the topics they learned during the semester or year.

It is expected that question papers are prepared to assess the programme outcomes in terms of the student's learning in cognitive domains, problem solving and ability to use novel tools and methods with respect to theory and laboratory courses enro shall encompass mapping of Course Outcomes against each question and Blooms taxonomy.

Bloom's Taxonomy

Within each of the domains, Bloom's Taxonomy of the Cognitive domain describes an ascending order of levels of complexity in thinking and learning. The taxonomy is hierarchical, and for students to achieve the higher order stages, they first need to For example, in order for students to apply knowledge, they need to first understand it. The above diagram offers a list of verbs, students' activities and products to describe learning at different levels – this may be a useful paradigm in articulating learn
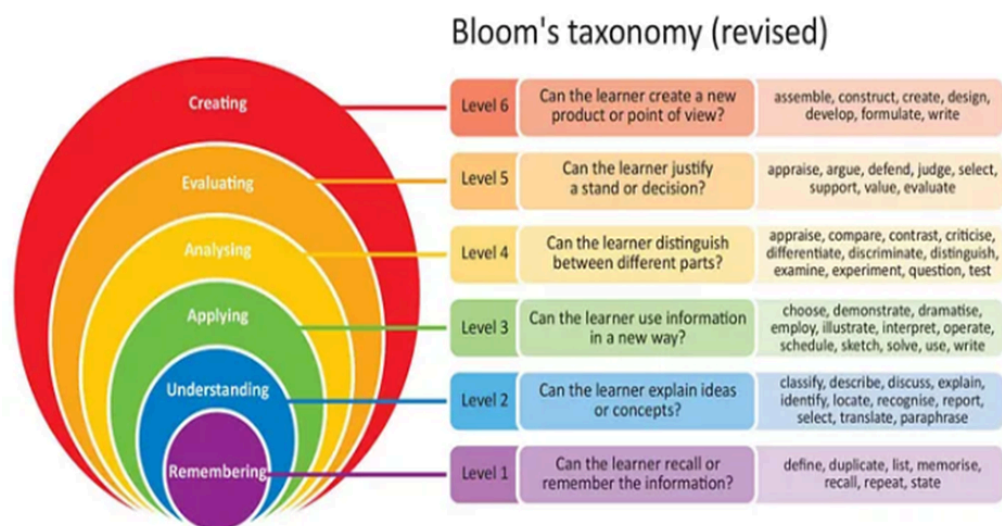
Blooms Taxonomy

Figure 2.2.2.2:Blooms Taxonomy levels of learning

Table 2.2.2.1:Blooms Taxonomy levels of learning-Verbs used

Level	Description	Verbs — Knowledge dimension				Examples
		Factual	**Conceptual**	**Procedural**	**Metacognitive**	
Creating	Using diverse elements to build a completely new structure. It also involves putting various parts together to form a whole.	**Generate** (a daily activity log). **Write** (a short story). **Combine** (the components).	**Gather** (an experts team). **Devise** (a classification system). **Plan** (the activities).	**Design** (a workflow project). **Develop** (an approach to solve the problem). **Compose** (poetry).	**Produce** (a theory of learning style). **Create** (a portfolio). **Actualize** (the plan).	Turn a "regular" recipe for lasagna into a "healthy" recipe by finding replacements for certain ingredients. Explain why the chosen substitutes are better than the original ingredients.
		Invent, categorize, compile, compose, explain, modify, organize, plan, arrange, summarize, tell, build, choose, construct, estimate, formulate, imagine, invent, make up, originate, predict, propose, solve, discuss, modify, change, improve, adapt, minimize, maximize, elaborate, test, improve.				Write a working manual for a company's employees.
Evaluating	Defending your own opinion, or presenting a new one. Judging the value and quality of work, information and ideas. The judgment is based on certain criteria and standards.	**Check** (the consistency of sources). **Criticize** (an article). **Rank** (the current issues).	**Define** (the relevance of an outcome). **Review** (the objectives). **Assess** (the likeliness of a result).	**Judge** (the efficiency of a process). **Evaluate** (the rightness of a technique). **Conclude** (the system's working mechanism).	**Reflect** (on the progress). **Rate** (the effectiveness of a strategy). **Prioritize** (the use of programs).	Choose the best blogging platform for beginners. Explain the reasons for such a choice. Judge the effectiveness of a learning style and select an option that is more efficient.
		Appraise, compare, conclude, defend, describe, discriminate, explain, justify, relate, summarize, support, award, decide, determine, dispute, measure, mark, recommend, select, agree, prove, perceive, value, estimate, influence, deduct.				
Analyzing	Examining the information and separating it into component parts. Determining and understanding the organizational structure and relation between those parts. Distinguishing facts and hypothesis.	**Choose** (the fullest activity list). **Classify** (the words). **Order** (the importance of the events).	**Distinguish** (the attitudes). **Identify** (the levels of awareness). **Explain** (the importance of understanding the rule).	**Integrate** (the approved framework). **Compare** (the opposing approaches). **Differentiate** (the related terms).	**Match** (the learning styles). **Analyze** (one's prejudice). **Achieve** (a level of understanding).	List 4 apps for keeping notes and talk about the advantages of each one. Add references. Gather the information about the new students and select the best studying program for them.
		Break down, contrast, deconstruct, illustrate, infer, outline, select, separate, categorize, discover, dissect, divide, examine, inspect, simplify, survey, list, assume, conclude.				
Applying	Solving problems and dealing with issues by using acquired knowledge. Applying the rules, facts and techniques to new situations and scenarios.	**Use** (a certain algorithm). **Answer** (the common question). **Classify** (the principles of fundraising).	**Give** (the advice). **Set** (the objectives). **Experiment** (with the reactions between components).	**Carry out** (the laboratory trials). **Employ** (the method). **Calculate** (the amount of possible damage).	**Select** (the matching solution). **Enhance** (the professional skills). **Construct** (the section of a site).	Deciding whether or not increased the consumption of carrots improves eyesight. Measure the reliability of a test using statistics laws.
		Apply, change, compute, construct, demonstrate, manipulate, modify, operate, predict, prepare, produce, show, solve, build, choose, develop, interview, make use, organize, experiment, plan, utilize, model, identify.				
Understanding	Delivering the main ideas, as well as translating, comparing, interpreting, organizing, and	**Interpret** (a paragraph). **Categorize** (a product's features).	**Categorize** (the species). **Describe** (the rule in your own words).	**Paraphrase** (the definition for better understanding). **Clarify** (the given instructions).	**Foresee** (the experiment's outcome). **Explain** (the working principles).	Compare the main characteristics of two devices with different types of processors.

	organising and describing information. Stating a problem, idea, or a fact in your own words to demonstrate your comprehension.	Summarize (an article in your own words).	Consider (the connection between structure and its function).	instructions). **Predict** (the future of an industry).	Execute (a particular technique).	Make a step-by-step explanation of how to use a tool for gathering statistics.
		Comprehend, convert, distinguish, estimate, extend, generalize, translate, compare, contrast, demonstrate, illustrate, outline, rephrase, show, classify, infer, exemplify, tag, comment, annotate.				
Remembering	Answering the questions, as well as describing terms, facts and basic concepts through retrieving or recalling previously learned information. This doesn't necessarily involve a complete understanding of the meaning.	Label (routes on the map). Spell (a difficult word). List (the European capitals).	Recognize (the author of a composition). Name (the levels of Bloom's taxonomy). Describe (the history of a nation).	Recall (how to research keywords). Recap (the steps in reaching the agreement). Tabulate (the elaborate process).	Outline (the process of finding an inspiration). Identify (the downsides of a learning method). Omit (the irrelevant terminology).	Recite a poem or a passage from a novel. Name the prices for the products and services of a company from memory.
		Retrieve, state, define, know, match, reproduce, select, omit, choose, find, show, relate, tell, locate, point out, highlight, bookmark, search.				

Blooms Taxonomy-Verbs used

Table 2.2.2.1:Blooms Taxonomy levels-Verbs used

Each of the taxonomies have been explained below:

• **Remembering:** The student exhibits memory of knowledge and material through the ability to recall and identify facts and basic concepts.

• **Understanding:** The student exhibits the ability to organize, describe and explain a concept using their own words.

• **Applying:** The student can apply knowledge in order to solve problems and adapt to new situations.

• **Analyzing:** The student exhibits the ability to further break down the knowledge and use evidence to support hypotheses.

• **Evaluating:** The student demonstrates the ability to form opinions and support their beliefs through data and analysis. The student can also evaluate the quality, validity and accuracy of information.

• **Creating:** The student can use their knowledge to synthesize new information and build upon the concepts they have learned in order to form a deeper level of knowledge.

Conduct of Examination

The examination department of the Institution has all the necessary infrastructure and automation is done right from registration of student to convocation through an integrated system. In fact, steps were taken to implement a complete examinatio considers the complete life cycle of examination process. The use of technology will reduce dependency on human intervention and be error free. Office of the Controller of Examination shall have necessary infrastructure facilities including cor surveillance cameras / systems, safe vaults to keep confidential documents, protected environment for storage of answer scripts, printing and photocopying facilities. Perceived Outcomes Implementation of short-term, medium term and long term mea Policy shall result in an effective assessment of teaching – learning system, identification of areas that might require additional focus by the students and members of the faculty, transparency and achievement of the Vision of the Institution.

The following functions have to be automated:

- registration of students through online portal(Students ERP portal)
- generation of admit cards/hall tickets,
- preparation of list of paper setters,
- use of question bank system to draw question sets, question paper generation,
- distribution of question papers on the day of examination with system of encryption,
- barcode system for answer books (this will eliminate issues related to errors, avoid malpractices etc.),
- digitization of answer scripts and onscreen evaluation of answer sheets
- tracking of student's performance
- Marks submission through online software, xi. viewing of result through online system
- online verification and revaluation system

Table 2.2.2.2:College Examination Branch Roles and responsibilities

Responsibility	Designation
Chief Superintendent	Professor
Controller of Examinations(ACE)-I	Professor
Additional Controller of Examinations(ACE)-II	Associate Professor
Squad members	Professor/Associate Professor
Examiners for Laboratory Examinations	Associate Professor/Assistant Professor
Invigilators and Skilled Assistants in Lab Examinations	Assistant Professor

Internal Assessment & End Semester Examinations Schedule are published 3 weeks before the beginning of the Examinations and communicated to all the students and respective departments through e-mail and Website.

Arrangements of the venues for conducting the examinations are arranged at least 5 working days prior to the conduct and circulated to both students and members of the faculty through e-mail. In the case of tests and examinations, the students a respective places at least 15 minutes prior to the start of the exam and are not permitted to leave the exam hall till the first one-hour lapses.In the case of end-semester examinations, a printed / digital hall tickets along with the Instructions are issued t details of various courses registered for the examination.

Retaining of papers after the examinations and Evaluation Answer papers, after the valuation and declaration of the results, shall be retained by the Office of the Controller of Examinations for a period of 3 years in the physical form and also the digitized and kept for the retrieval whenever needed.

However, if any candidate seeks the duplicate copy of the answer sheet after completion of the Degree programme or in the subsequent semesters before completion of the Degree, the same shall be made available either physical form or digital form producing the written request by the candidate with the fee fixed, from time to time.

In the case of End Semester Practical Examinations, the answer scripts shall be retained for a period of 1 year and then shall be disposed by the Office of the Controller of Examinations

Strategy for implementation of above measures envisages manpower development, preparation of question bank, infrastructure and necessary security systems. Manpower development involves building necessary capabilities for preparation of ques monitoring examination related activities, evaluation of answer scripts and training the technicians and secretarial staff responsible for maintenance of records and documents.

Question Bank, for every taught course, shall be prepared to assess the learning outcome of the students at specified intervals. Questions, prepared and compiled as question bank, shall have mapping with the course outcomes expected from the t assess the learning in terms of cognitive domains, knowledge domains, STEM concepts associated with the subject matter and the marks that may be awarded for every question submitted.

Members of faculty are expected to prepare the question bank comprising the questions suitable for preparing a question paper with different weights as may be assigned. Care shall be taken to avoid redundancy (multiple questions that lead to the questions under different weights or categories, mundane / abstract questions. However, members of faculty are encouraged to frame open-ended questions, which might have multiple answers thereby stimulating the thinking process of the student question banks may be made available to the students for their reference.

The Department appoints a Subject expert on the day of the end examination(external).The concerned Subject expert faculty is supposed to report in the Central Examination branch 90 minutes before the commencement of the examination.

The following are the responsibilities of the Subject expert:

- Verify whether the Question Paper is defined strictly as per syllabus and guidelines defined.
- No question is out of syllabus or out of context of the question paper
- There are no errors , spelling mistakes in the question paper.
- Approve one of the question paper in the given sets for final examination Process.
- Check if the questions that are given can be answered in the given time frame
- Ensure that the marks specified for each question is appropriate as per the complexity of the framed question.
- Confirm if Blooms taxonomy levels and COs are specified for each question and whether they match the levels specified.

Quality of Internal Semester Question Papers:

The department has established DEPARTMENT EXAMINATION COMMITTEE (DEC) in order to assess the quality of the Internal Semester Question paper set by the concerned faculty in their respective subjects.

Figure 2.2.2.3:Department Examination Branch

The functions of the Department Examination Committee are as follows:

- To review Question Papers set by subject teachers for Internal Semester Mid exams by a team of Subject Experts
- To set guidelines for giving assignment to students and evaluation scheme.
- To set Evaluation Scheme for Lab Internal & External Practical Exams.
- Assigning Invigilation Duties to Faculty Members.
- Conducting Pre-Final Exams
- Result Analysis

Table 2.2.2.3:Department Examination Branch:Roles and Responsibilities

S.NO	Designation	Name of the Faculty	Responsibility
1	Professor & Head	Dr.K.Mallikarjuna Lingam	Chairman
2	Associate Professor	Mr.M. Ramanjaneyulu	Dept. Exam Coordinator
3	Assistant Professor	Mrs.N. Saritha	Dept. Exam Coordinator
4	Professor	Dr. Dr. Sadanand Yadav	Subject expert- Signal Processing
5	Professor	Mrs.P. Anitha	Subject expert - VLSI
6	Associate Professor	Mrs.P. Swetha	Subject expert - Communications
7	Associate Professor	Mr.M. Ramanjaneyulu	Subject expert - Embedded Systems

SCHEME OF EVALUATION FOR R20 REGUALTION:

The performance of a student in each semester or I year shall be evaluated subject-wise for a maximum of 100 marks for a theory and 75 marks for a practical subject. In addition, industry-oriented mini-project, seminar and project work shall be ev marks, respectively.

For theory subjects the distribution shall be 30 marks for Internal Evaluation and 70 marks for the End-Examination.

For theory subjects, during a semester there shall be 2 mid-term examinations. Each mid-term examination consists of one essay paper and one assignment. The essay paper shall be for a total duration of 2 hours. The essay paper shall contain 6 fu unit) out of which, the student has to answer 4 questions, each carrying 5 marks. While the first mid-term examination shall be conducted on 1 to 2 .5 units of the syllabus, the second mid-term examination shall be conducted on 2.5 to 5 units. Assignments. 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 total marks secured by the student in are evaluated for 30 marks.The average of the two mid-term examinations shall be taken as the final marks secured by each candidate.

Table 2.2.2.4:Division of marks for R20 Regulation

R20 REGULATION		
S. No	Type of Exam	Marks
1	Internals	30
2	Externals	70
3	Total	100

SCHEME OF EVALUATION FOR LAB EXAMS

A) Internal Exams

For practical subjects there shall be a continuous evaluation during a semester for 30 sessional marks and 70 end semester examination marks. Out of the 30 marks for internal evaluation, day-to-day work in the laboratory shall be evaluated for 15 examination shall be evaluated for 15 marks conducted by the laboratory teacher concerned.

B) External Exams

The end semester examination shall be conducted with an external examiner and the laboratory teacher. The external examiner shall be appointed from the clusters of colleges which are decided by the examination branch of the University. The distri exam is shown below:

Evaluation for Labs

Hardware Labs: EDC, AC,ADC,LDIC,MPMC,EM & MW

Table 2.2.2.5:Division of marks for R20 Regulation-Hardware Labs

S.No	Particulars	Marks allotted
1	Aim	1
2	Circuit Diagram	5
3	Apparatus	2
4	Procedure	5
5	Tabulated Readings	5
6	Graphs	5
7	Results	2
8	Complete Execution	25
	Partial Execution	8
	Not Executed	0
9	Viva-voce	10
10	Record & Observation	10

Software Labs: BS,ADC,DSP,LDIC,AIML,MPMC,VLSI,EM & MW

Table 2.2.2.6:Division of marks for R20 Regulation-Hardware Labs

S.No	Particulars	Marks allotted
1	Aim	1
2	Flow chart/Algorithm	5
3	Program	15
4	Graph	3
7	Results	1
8	Complete Execution	25
	Partial Execution	8
	Not Executed	0
9	Viva-voce	10
10	Record & Observation	10

2.2.3 Quality of student projects (20)

Project work challenges students to think beyond the boundaries of the classroom, helping them develop the skills, behaviors, and confidence necessary for success in the 21st-century. Designing learning environments that help students quest extrapolate their plans, conclusions, and ideas, leading them to higher–order thinking, requires feedback and evaluation that goes beyond a letter or number grade. The term "authentic assessment" is used to describe assessment that evaluates co additional skills like creativity, collaboration, problem-solving, and innovation.

Authentic assessment documents the learning that occurs during the project-building process and considers the real-world skills of collaboration, problem solving, decision making, and communication. Since project work requires students to throughout the project-building process, you will have many opportunities to assess work quality, understanding, and participation from the moment students begin working.

Evaluation includes tangible documents like the project definition, rough draft, verbal behaviors such as participation in group discussions and sharing of resources and ideas, and non-verbal cognitive tasks such as risk taking and evaluation of inform the process by having students complete a project document, a self-assessment, or by making a discussion of the process in the final presentation.

Studies show that one of the most significant characteristics of highly successful projects is that they begin with a long period of project definition dedicated to outlining a powerful vision and a clear need for the project.Dov Dvir and Aaron J. Shen definition period is required to select the best execution approach and to obtain buy-in from all stakeholders. Taking the time to properly define a project is an essential practice that should not be omitted. Even if a longer start-up phase means that mo project is likely to deliver benefits quicker because the effort is invested in making people talk to one another and in understanding what they are committing to and how to go about delivering the outcomes.

Challenge Initial Ideas and the Justification for the Project

It's essential for project success to spend time up-front reducing the project's uncertainty and risk. This can be done by challenging initial ideas, extracting and making use of previous experience, and consulting with stakeholders. Where projects fail that can be traced back to decisions in the earliest phases when the initial idea was conceived and developed. When a project starts up, we must challenge its justification and fully understand the underlying problem and the needs that the project is is to develop an overall perspective and to analyse the problem in its context in order to come up with a sensible strategy. Lack of information during the early phase of a project is not necessarily a problem; it could be a strength!

Some of the questions that should be asked, answered, and documented during the definition phase are:

- *Why is this project important?*
- *What is the project intending to achieve, broadly and specifically?*
- *Which problems are we trying to find a resolution to?*
- *In which ways will the project enable the users to operate more effectively?*
- *What are the project's constraints in terms of time, cost, quality and scope?*
- *Who are the beneficiaries and stakeholders?*
- *Which risks, issues and dependencies surround the project?*
- *What is in scope and out of scope?*
- *What are the requirements?*
- *What are the proposed and alternative solutions?*
- *In which ways can we make use of previous experience from similar undertakings?*

To successfully define the project, ensure that requirements and design documents are clearly described and illustrated by using proper requirements and diagrams. They must ensure that each requirement is specific and measurable and associat criteria.

Completing complex authentic projects that require collaboration, creativity, problem-solving, and innovation helps prepare students for increasingly complex life and work environments. Effective communication in the 21st-century requires that stude themselves in writing, verbally, and visually. Be sure to assess the quality of writing, including ideas, vocabulary, fluency, organization, and conventions, as well as the use of media and overall design. Since a project is a collaborative effort tha evaluation components that consider teamwork, organization, planning, and behavior.

Project Selection

Any project involves a student, or group of students, working under the guidance and direction of a teacher. A project involves planning and developing a schedule of study and outcomes to be achieved over a period of time usually longer than that of a

Individual or group projects

Project work can be carried out individually or in groups. The formation of groups can be carried out in one of two ways: either students form their own group or the teacher identifies the group membership. Both of these methods have their own meri who form their own groups tend to choose friends with similar backgrounds and objectives. This may detract from the rich learning experience to be gained by groups formed by students with different approaches to learning.

One of the most useful methods used is to compose groups by individual student ability. In order to use this technique this method obviously assumes that the teacher knows his/her students. Teachers who previously used this method recommend tha ability range; otherwise one may well find that a high flier group or a very weak group often materialises. (Weak groups present problems when—or if—verbal assessment is given.) Another advantage of a mixed ability group is that the most abl mentors to the least able. It is well known in educational circles that we learn by doing and by teaching others. Hence the most able students can serve as mentors to enhance their own learning as well as helping their fellow students.

Project assessment weightings are: Project Log 20%, Project report 25%, Practical development 40% and Presentation 15%.

When grading the student's project and the group writing project, the following should be taken into account:

Project Log:

a. The individual student's effort and commitment.

b. The quality of the work produced by the individual student.

c. The student's integration and co-operation with the rest of the group.

d. The completeness of the logbook.

Written Project Report:

a. Introduction.

b. Project specifications.

c. Mathematical techniques or Algorithms used and calculations.

d. Solutions to the problem.

e. Recommendations and conclusions.

In addition to these components, practical development (computational steps and other "technical" activities) should be marked with regard to the written report. The presentation of the project to Faculty and fellow student groups of the same institution

Practical Development:

a. The group's investigation of the practical aspect (as evidenced in the report).

b. Integration of the practical development with the rest of the project.

c. The group's/individual analysis and design of the problem.

d. The group's/individual attempt at practical development.

Project Presentation:

a. General quality of the presentation.

b. Integration and teamwork.

c. Interest, content and originality.

One of the main purposes of the presentations is to help students develop and improve their communications skills. Students need to be able to communicate technical or numerical data in everyday life. Students need to be able to explain and desc results, and this

Students need to be able to explain and describe statistical methods and results, and this is a skill that is not very often tested in syllabuses (course plans).

The presentation structure considers and awards grades on an equal weighting as follows (each element gets an equal weighting):

a. Relationship to the audience: Appropriate material used, clear message and recommendations which are meaningful.

b. Use of supporting materials and useful aids to communication: Use of appropriate media for demonstration, handouts, etc.

c. Structure: Introduction, middle, summary, and conclusion.

d. Handling questions: Thoughtful and honest responses, appropriateness of answers and convincing arguments.

e. Time Management: Presentation too long, too short, or appropriate.

The relationship to the audience is important since in real life being able to communicate effectively to get point(s) across is an essential skill to have acquired. To be able to display information using appropriate diagrams, graphs, or other such stati technique and should be graded accordingly. Handling questions is a competency students will need to acquire in various aspects of their future studies and beyond and hence should be encouraged. Students will need to be able to manage effecti aspects of life, whether it be for a timed examination or presentation.

The project log is assessed on an individual basis, thus allowing for individual members within groups to be assessed this way. The assessment will take into consideration the individual student's involvement in the group and his/her individual effort ar project. The mark is to be made on continuous assessment, determined by the supervising Faculty during the project's time span.

Figure 2.2.3.1:Samle Project Template

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING/MRCET
Email: mrcetece@gmail.com
IV Year B. Tech-II Semester Major Project Individual Summery Sheet

Project Title:	

Project Code:		Batch Size:		Batch:	2021-25

Domain / Area:		SDG Mapping	

Abstract:

Technical (S/w & H/w) Specifications	Module(s) Specifications

Architecture Diagram	Methodology

Existing System	Proposed System
1. 2. 3. 4. 5.	1. 2. 3. 4. 5.

Guide Details	Batch Members Details	

Guide Photo		Student Photo	Student Photo	Student Photo
		Type Student Name	Type Student Name	Type Student Name
		21N31A0402	21N31A0450	21N31A0460

Sample list of Major Projects:

Table 2.2.3.1:Sample list of Major Projects-2020 Admitted Batch

S.NO	BATCH NO	ROLL NUMBER	TITLE OF THE PROJECT	NAME OF THE GUIDE
1	A1	20N31A0452	DESIGN OF WILKINSON POWER DIVIDER FOR AIRBORNE APPLICATIONS	DR.K. MALLIKARJUNA LINGAM
		20N31A0428		
2	A3	20N31A0414	CHURN PREDICTION USING MACHINE LEARNING	MRS P ANITHA
		20N31A0427		
		20N31A0456		
3	B4	21N35A0407	WOMEN SAFETY PATROLLING IOT ROBOT	MRS P SWETHA
		21N35A0409		
		21N35A0412		
4	B5	20N31A0469	DATA CURATION AND QUALITY EVALUATION FOR ML BASED CYBER INTRUSION DETECTION SYSTEM	MRS G VAIDEHI
		20N31A0471		
		20N31A0473		
5	B13	20N31A0464	E-PILOTS: A SYSTEM TO PREDICT HARD LANDING DURING THE APPROACH PHASE OF COMMERCIAL FLIGHTS	MS D ASHA
		20N31A0467		
		20N31A0475		
6	C8	20N31A04D5	SATELLITE IMAGE CLASSIFICATION WITH DEEP LEARNING	DR. ARUN KUMAR MADUPU
		21N35A0417		
		21N35A0418		
7	C9	20N31A04F6	GENERATION AND DETECTION OF FACE MORPHING ATTACKS	MR CH.KIRAN KUMAR
		20N31A04D7		
		20N31A04F8		

S.NO	BATCH NO	ROLL NUMBER	TITLE OF THE PROJECT	NAME OF THE GUIDE
8	C10	20N31A04E8	PREDICTING CYBERBULLYING ON SOCIAL MEDIA IN THE BIG DATA ERA USING MACHINE LEARNING ALGORITHMS	MRS. RENJU PANICKER
		20N31A04D8		
		20N31A04G0		
9	C11	20N31A04E0	DETECTING WEB ATTACKS WITH END TO END DEEP LEARNING	MR KDK AJAY
		21N35A0413		
		20N31A04F9		
		20N31A04J0		
10	D2	20N31A04N0	REAL TIME VEHICLE ANOMALY DETECTION IN TRAFFIC USING AI	MR. E. MAHENDER REDDY
		20N31A04N9		
		20N31A04P9		
		20N31A04M2		
11	D7	20N31A04M0	A MULTI STAGE MACHINE LEARNING AND FUZZY APPROACH TO CYBER-HATE DETECTION	MS. D. ASHA
		20N31A04P1		
		20N31A04P2		
12	D9	20N31A04K2	GENERATE CLOUD MONITORS FROM MODELS TO SECURE CLOUDS	DR. K. MALLIKARJUNA LINGAM
		20N31A04N8		
		20N31A04Q0		
13	D18	20N31A04M3	WEED DETECTION USING MACHINE LEARNING	MRS. P. SWETHA
		20N31A04M5		
		20N31A04N1		

2.2.4 Initiatives related to industry interaction (10)

MRCET - Entrepreneurship Development Cell (EDC)/ Industry-Institute Partnership Cell (IIPC):

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.

At MRCET, **Entrepreneurship Development Cell (EDC)/ Industry-Institute Partnership Cell (IIPC)** is established for enhancing the relationship between the institute and industry. This cell identifies the industrial expectation and promotes institutio industrial needs by facilitating sponsored R&D projects, seminars, workshops and various other industrial training programmes. Organizing such IIPCs in institution makes an effective contribution to educational system rather than criticizing shortcom the industry. Industry Institute partnership reflects in equipping faculty to latest practices and makes the students industry-ready by providing exposure to current industry practices, and hones their skills to adapt changing technologies. The primary foc elite industries in and around Hyderabad and extend the efforts in establishing partnership with industries across the country in near future.

MRCET professional association with an **Industry-Institute Partnership Cell** (IIPC) sanctioned by the All Indian Council for Technical Education (AICTE) which definitely acts as an interface between the industries and Institute to take up collabora 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 entrepreneur. Moreover, we also give exposure of 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 member 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 business world

The objective of the IIP Cell is to reduce the gap between industry expectations (practice) and academic offerings (theory) by direct involvement of industry to attain a symbiosis. Indian industry at present has reached the most crucial turning po dynamic demands of the competitive domestic and global markets through the provisions of high quality products and services. To survive and succeed in this new scenario, the input that is most essential is the human resource. As technologies ch updating of the work force continuously are becoming major challenges facing every country today.

Malla Reddy College of Engineering & Technology (MRCET) has setup an Industry Institute Partnership Cell for the above purpose. Industries and Technical Institution have a strong mutuality of interest which forms the basis of a partnership between up an industry-institute Partnership Cell with the following objectives:

Objectives

1. To arrange industrial training for students and identify student project work in Industries. To encourage Industry to collaborate in Industry Study Tour Programmes (ISTP) and placement of students in Industries.
2. To interact with R&D Organizations for conducting joint research work involving faculty/scientists and students/research scholars etc.
3. Faculty exchanges - getting professionals from industry as visiting faculty or adjunct professors for short or long periods and deputation of faculty to industry to gain industrial experience and/or work on projects in industry.
4. Curriculum development- associating experts from industry in curriculum planning and review.
5. Personality development workshop for students relating with soft skills (communication skills / personality development).
6. Guest lectures by eminent personalities, academics, leading industrialists at regular intervals to update the students knowledge.
7. To arrange technical festivals/open houses/student design competitions.
8. Continuing education programmes: Providing infrastructure to meet the training needs of the industry, like improving communication skills, job analysis, inventory & financial controls, efficient management skills and on up gradation of technical kr
9. To update the knowledge base (qualification) of professionals in different emerging sectors (Biotechnology, Nanotechnology etc.)
10. To arrange short-term programmes: Duration of 5 to 7 days for the benefit of Professionals in various technical disciplines.
11. In house training programme at the request of industries at their location
12. Promotion of Income Generating activities namely: Testing, Calibration, Consultancy and R & D (for achieving self sustenance of the Cell within 3 - 5 years) typically for:

    a. Creating facilities for Design, development and improvement of existing practices/ processes/ concepts.

    b. Up gradation & modernization of workshop facilities.

    c. Preparation of operators manuals, Audio and visual cassettes and assistance in implementation of BIS & ISO standards through conducting various audit analysis.

    d. Finding solutions of various problems faced by the industry during production and operation of the industrial units.

    e. Conducting market surveys and feasibility reports through projects assigned to the students and providing them to the industry for their benefit.

13. Technology transfer in the nearby rural areas.
14. To set up Innovation Centres and Centres of Excellence.
15. Signing MOU's with industry and Institutes. Setting up of technology parks in collaboration with alumni and industry for cost effective opportunity for R&D leading to marketable products.
16. Promotion of Homegrown technologies, which is expected to strengthen the linkages between research institutes and industry indigenously by commercialization of indigenously developed technologies.
17. Institution of Industry sponsored special chairs/staff positions with all expenses met where reputed persons can be appointed for a fixed period.

18. Services to industry- Institute can provide services to industry such as:-

    a. Library and information services to the industries
    b. Access to institute research information service

    c. Access to laboratory facilities.

    d. Access as partner industry to set up common facilities for better Industry -Institute synergy.

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 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.

EDC/IIPC -Helping Hand to Student Incubation Centers

College initiates and provides office space & equipment, technology support and seed capital to nurture the upcoming entrepreneurial talents. Thus making it more robust and approachable for the individual who has high entrepreneur ambition.

Mentoring

College has dedicated Technical & Business Development mentors to assist students who are coming with the business ideas and to provide entrepreneurship training. The guidance given by mentors plays vital role to start a new venture.

Associations

College has industry associations giving one on one professional network and self-employment tips to establish as successful entrepreneurs. The professional bodies will surely trigger confidence among students to take individual decision and to start

EDC/IIPC- Career Outcomes

1. Small business owner/operator
2. Entrepreneur
3. Business analyst
4. Intrapreneur

ADVISORY BOARD:

Table 2.2.4.1:Advisory Board of IIPC

S. No	Designation	Name	Status
1	Director	Dr VSK Reddy	Chairman
2	Principal	Dr. S.Srinivasa Rao	Organizing Chair
3	Dean, Academics	Dr. T. Venu Gopal	Member
4	Dean(R&D)	Dr. PHV Sesha Talpa Sai	Member
5	Dean, Placements	Prof. K Kailasa Rao	Member
6	Director, ECE	Prof. P Sanjeeva Reddy	Member
7	HOD, ECE	Dr.K. Mallikarjuna Lingam	Member
8	HOD, CSE	Dr S Shanthi	Member
9	HOD, CSE(CI)	Dr. D Sujatha	Member
10	HOD, CSE(ET)	Dr.MV Kamal	Member
11	HOD, ANE	Dr. P. Srikar	Member
12	HOD, IT	Dr. G Sharada	Member
13	HOD, H&S	Dr. V Madhusudhan Reddy	Member
14	Industry Expert	Shri Siva Kumar	Member
15	Chief Coordinator	Prof. G Naveen Kumar	Convener

ACTION PLAN:

In order to achieve the stated Aim and Objectives, MRCET-IIPC will broadly be engaged in the following activities:

- To identify the scientific and technical requirements of the "industry", in which R&D work can be taken up by MRCET-IIPC.
- To promote synergetic partnership between Industry and MRCET for taking up joint research programmers involving the students of MRCET.
- To conduct relevant R&D activities within or outside the premises of MRCET with the involvement of students and the faculty of ECE department under the supervision/guidance of experts from outside MRCET.
- To motivate and involve students of ECE department in the relevant R&D activities of this Cell with an aim to transform these graduating engineers into professional engineers who are usefully employable by the Industry.
- To organize lectures, interactive workshops, conferences, seminars, brain storming sessions, technical discussions, consultancy Sessions, training, orientation courses, meetings, visits etc, and involving members of the Industry, outside experts, faculty and students of ECE department.
- To generate resources- financial, material and human, both from within and outside MRCET for creating very high-quality infrastructure and research facilities within and outside the MRCET premise.
- To take up sponsored projects from Industry and other funding agencies
- To take up industry-based projects funded by AICTE, DST, DRDO, CSIR and other funding agencies.
- To fund some projects and sub-projects to outside agencies including Academia, in order to conduct these relevant R&D activities smoothly and efficiently within or outside the premises of MRCET with the involvement of students and the faculty supervision of outside experts.
- To provide technical consultancy services to/from the industry.
- To invite expert members of the Industry to ECE department to spend varying durations as Guest Faculty members/Research Supervisors/ Technical Consultants etc. with other Engineering Colleges and Technical Institutes where such interactiv running successfully.
- To share the experience, through exchange of lectures, visits and meetings etc.
- To access periodically the scientific and technological scenario in India and abroad in order to translate it into action for taking up R&D work.
- To help students of ECE department in getting suitable placements in industries/companies/other employing organization in the Government and Private Sectors based on the R&D work carried out by these students, within or outside SKPEC an

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

The Centre for University Industry Collaboration (CUIC), would be established with a primary focus on the following domains namely Campus Placement for UG and P.G Degree Students, Interaction between University and Industry, and Training Progr core competency development such as employability skills, awareness on employment avenues etc.

1. **Campus Placement of Students**

The campus placement activities for students would be regularly (twice in a year) carried out for students belong to UG / PG programmes studying in the University Departments and affiliated colleges. The campus placement offers mainly three kinds c and IT/ITES placements etc.

2. **Industrial Associate ship Scheme (IAS)**

CUIC has a unique and novel scheme of Industrial Associate ship Scheme (IAS) wherein, we can enroll small, medium, large scale industries, R&D and Educational institutions with the main aim to carry our industrial / institution combined activities.

3. **Industrial Training**

Industrial training would be made mandatory for all Under-Graduate students as per the CBCS curriculum. This would give wide exposure about the various functions of the Industries prior to the completion of their studies. CUIC with assistance and co industries and departments will arrange Internship training to students, for Industrial exposure and comparative awareness of the state-of-art of the Industrial requirements.

4. **Academic Interface Program with Industries**

CUIC, would collaborate with industries for improving students performance for their placement readiness programme under the academic support from HR departments of various industries. Memorandum of Understanding: CUIC would be instrument; with various Industries and Research and Development Establishments. This MoUs will enhance the students on Internship training, Placement, Industrial readiness, Professional competencies, and also to improve their soft skills. Apart from this, CUIC Research projects in the catchment area The centre not only concentrates on placement of students but also believe that talents are available in Rural, Sub-urban, and Urban Colleges and hence the centre organizes District Level Placement Programn IT/ITES industries and other industries which will enhance and create confidence to all students.

Core Activities

Conducting Programmes to improve presentation and communication skills, assertiveness, developing leadership attributes and enhancing the level of internal motivation of the students.

- Conducting career Information fairs every year for students and parents at University level.
- Conducting campus interviews by collaborating with the industries.
- Conducting Orientation Programmes on Industrial Expectations for the benefit of Students.
- Conducting Seminars, Symposia and Workshops on current topics of national interest to Industrial Personnel. Interacting with various Industrial Personnel and consolidating the Industrial demand / expectations for the benefit of the students.
- Career Guidance and Counseling for U.G. and P.G. Degree Students.
- The CUIC will play an instrumental role in establishing Institution Industry Interaction Centres (CIII) in all affiliated Colleges.

Collaboration for:

- Knowledge development and growth, i.e. university participation in the knowledge and innovation system.
- Better education, i.e. dialogue between universities and the surrounding society on the content and scope of degree courses and external contacts by students during their education.
- Democratic development, i.e. the work of universities on communicating research for public education.
- Collaboration benefits for the academyUniversity research and education can benefit from close collaboration with knowledge users in several ways.
- External funding places demands for up-to-date and relevant research topics. Through close collaboration these research topics can be expanded.
- University degree courses are exposed to competition through the increased mobility of students.
- Courses involving prospective employers are attractive since they improve the opportunities to get a job after graduation.
- A well developed network and effective dialogue with actors within the industry and other sectors of society contributes to the external analysis that universities must prioritise in order to keep pace with a changing world with new challenges

Collaborated Universities are as following:

- Indian Institute of Hardware Technology Limited, Bangalore.
- Northern Arizona University, Flagstaff, USA
- Rofous Software Pvt.Ltd, Hyderabad.
- Data Point Info Solutions Pvt. Ltd., Hyderabad.
- Advanced Centre for Atmospheric Sciences, S.V.University, Tirupathi (Sponsored by ISRO, Govt. of India.)
- BARC Training School, NFC, Government of India, Hyderabad.
- National Aerospace Laboratories, Government of India, Bangalore.
- Serveen Software Systems, Hyderabad.
- University of Texas at Tyler, USA
- ESOL Examinations (BEC) University of Cambridge, UK.
- Recognized as a Nodal Center for Conducting Faculty Development Programs by IIT – Bombay.
- TCS Academic Interface Programme Centre
- IBM Centre for Excellence

- Lincoln University College, Kaulalumpur, Malaysia
- University of Sarawak, Malaysia (UNIMAS)
- University of New Orleans, USA

List of MOUs:

1. City of Glasgow College, UK.
2. Northern Arizona University, USA.
3. ECPI University, USA.
4. University of Highlands & Islands, Scottland,UK.
5. Indian Institute of Hardware Technology Ltd.
6. BARC Training School, NFC.
7. Advanced Center for Atmospheric Science, SV University.
8. National Aerospace Laboratories.
9. Aeronautical Society of India.
10. Embedded RF Systems Pvt.Ltd.,, Hyderabad.
11. Precise In Pvt. Ltd., Hyderabad.
12. Serveen Software Systems, Hyderabad.
13. National Institute of Amateur Radio, Hyderabad
14. National Remote Sensing Centre (NRSC), Hyderabad.
15. Robotspace Automation Pvt. Ltd., Hyderabad.

Students are being sent for Internship programs to upgarde their skills and gain Industry exposure in the core areas.

The sample program details and list of students attending the trraining programs is showcased below:

Figure 2.2.5.1:MSME Entrepereneurship Skill Development Program on IoT

Figure 2.2.5.2:MSME Entrepereneurship Skill Development Program on Digital Design and Verification

Table 2.2.5.1:List of Students enrolled for MSME Entrepereneurship Skill Development Program on IoT

IOT BATCH 1:- 26-12-2024 TO 4-2-2025

S.NO	NAME	GENDER	PHONE NUMBER	ROLL NUMBER
1	KANKAR BHAVANI	FEMALE	8074896270	21N31A04A2
2	BONDADA VIJAYA DURGA	FEMALE	7396259714	21N31A0409
3	BODA GAJENDER	MALE	9392351339	21N31A0432
4	BIJINAPALLY SANDEEP	MALE	7095166841	21N31A0429
5	MANDULA SAI CHANDANA	FEMALE	9293407684	22N35A0420
6	LOLUGU ESHWAR PAVAN	MALE	8500517265	21N31A04C2
7	MALLADI VENKATA SAI LALITHA RASAMAYEE	FEMALE	6303441983	21N31A04C9
8	KALAMADUGU NIHARIKA	FEMALE	8328331489	22N35A0415
9	NAMANA RUPA SAHITHI	FEMALE	9849688716	21N31A04F5
10	ARVA PALLAVI	FEMALE	9705475188	21N31A0410
11	AZMERA VASANTHA	FEMALE	9948588326	21N31A0412
12	BANOTH SIDDHARTHA	MALE	9154135783	21N31A0418
13	KUMMARI VAMSHI	MALE	7842603931	21N31A04B5
14	MADDIKUNTA YAMINI	FEMALE	8919467783	21N31A04C5
15	BIDAR SHREYA	FEMALE	7893962524	22N35A0407
16	DANGETI DHANUSH	MALE	7997010981	21N31A0458
17	CHEKKILALA MANIKANTA	MALE	6300324611	21N31A0446
18	CHITTIPALLI SHASHANK	MALE	9390984457	21VE1A0417
19	KAKUMARI TEJASHWAR	MALE	8639142981	21VE1A0436
20	VUSIRIKA CHANDRA KIRAN	MALE	9949469677	21N31A04R3
21	UDUTHA MANISH	MALE	6301116319	21N31A04P6

Table 2.2.5.2:List of Students enrolled for MSME Entrepereneurship Skill Development Program on Digital Design and Verification

MRCET Digital Design Verification Batch 1:- 11-12-2024 to 21-1-2025

S.No	NAME	FATHER NAME	GENDER	Phone Number	Roll Number
1	VUTAKURI LAKSHMI SAI	VUTAKURI RANGANAYAKULU	FEMALE	8309528049	21N31A04R4
2	CHINTHALA LAVANYA	CHINTHALA SREENU	FEMALE	9347798871	21N31A0451
3	VANGA KEERTHANA	VANGA SAMPATH	FEMALE	9505432508	21N31A04Q1
4	SANGEPU SNEHA	SANGEPU RAMANARSAIAH	FEMALE	6281930400	21N31A04L1
5	SURABHI TEJASWINI	SURABHI TIRUPATI RAO	FEMALE	8106842886	21N31A04M8
6	TATA SRAVANI	TATA YASHODA RAO	FEMALE	9100576260	21N31A04N2
7	SEELAM VIKRAM	SEELAM HUSSANAIAH	MALE	9848756326	21N31A04L5
8	THIRTHALA SRIVALLI CHANDRAKALI PRIYA	THIRTHALA MARUTHI SRINIVASA BABU	FEMALE	9963238665	22N35A0425
9	VOLETI NIKHIL SATYA	VOLETI SATYA PRAKASH	MALE	9494564006	dicontinued
10	SHAIK AREEPH	SHAIK RAHEEM	MALE	8074968174	21N31A04L6
11	AZMATH PASHA	MAHABUB ALI	MALE	9392512523	21N31A0411
12	D KARTHIK	D CHANDRASHEKAR	MALE	7382085001	21N31A0457
13	SAGARLA AKHILA	SAGARLA SRINIVAS	FEMALE	9014697679	21N31A04L0
14	SUDIREDDY SRINITHYA	SUDIREDDY MALLA REDDY	FEMALE	8125826263	21N31A04M6
15	CHINNAMSHETTY GOPIKRISHNA	CHINNAMSHETTY LAXMAIAH	MALE	9949121125	discontinued
16	CHINNAWAR NARASIMHA	CHINNAWAR PURNENDER	MALE	6302376342	21N31A0450
17	TALLA MANISHA	TALLA SWAMY GOUD	FEMALE	9346139407	21N31A04M9
18	SRIPATHI SOWNDARYA	SRIPATHI SRINU	FEMALE	7981219923	21N31A04M5
19	BANDARI SRIHITHA	BANDARI JAYA BABU	FEMALE	7981889976	22N35A0403
20	BAREDDY SRAVANTHI	BAREDDY NARSIREDDY	FEMALE	9391558010	22N35A0405

Figure 2.2.5.3:Sample Certificate-1 of MSME Entrepereneurship Skill Development Program on Digital Design and Verification-Verilog programming

Figure 2.2.5.4:Sample Certificate-2 of MSME Entrepereneurship Skill Development Program on Digital Design and Verification-Verilog programming

Figure 2.2.5.5:Sample Certificate-3 of MSME Entrepereneurship Skill Development Program on Digital Design and Verification-Verilog programming

3 COURSE OUTCOMES AND PROGRAM OUTCOMES (175)

Define the Program specific outcomes

PSO1	To develop a student community who acquire knowledge by ethical learning and fulfill the societal and industry needs in various technologies of core field.
PSO2	To nurture the students in designing, analyzing and interpreting required in research and development with exposure in multi disciplinary technologies in order to mould them as successful industry ready engineers/entrep
PSO3	To empower students with all round capabilities who will be useful in making nation strong in technology, education and research domains.

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

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

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

Course Name :	C2 04	Course Year :	2023-2024

Course Name	Statements
C2 04.1	Identify & analyze different types of signals and systems properties that are commonly used in engineering and Fourier series representation of signals.
C2 04.2	Differentiate the Fourier series and transform in terms of applicable time functions and the resulting spectral properties required for the further study and design of basic communication system.
C2 04.3	Explain and differentiate the properties of continuous-time and discrete-time Linear Time Invariant (LTI) systems.
C2 04.4	Concepts of convolution, auto correlation and cross correlation and power Density Spectrum.
C2 04.5	Apply the Laplace Transform and Z transform to the calculation of time responses of LTI systems.

Course Name :	C2 12	Course Year :	2023-2024

Course Name	Statements
C2 12.1	Analyze and Design various continuous wave Amplitude modulation and demodulation techniques.
C2 12.2	Understand the concept of Angle modulation and demodulation, and the effect of noise on it.
C2 12.3	Attain the knowledge about the functioning of different AM, FM Transmitters and Receivers.
C2 12.4	Analyze and design the various Pulse Modulation Techniques (Analog and Digital Pulse modulation)
C2 12.5	Understand the concepts of Digital Modulation Technique, Baseband transmission and Optimum Reception of signals.

Course Name :	C3 01	Course Year :	2023-2024

Course Name	Statements
C3 01.1	Perform time, frequency and Z-Transform analysis on signals and LTI systems and study the properties like stability, causality, time-invariance and etc
C3 01.2	Analyze and implement digital systems using the Discrete Fourier Transform and Fast Fourier Transform (FFT) techniques and use Z transforms to analyze a digital system finding the region of convergence.
C3 01.3	Understand Analog Filter Approximations and Design Infinite Impulse Response (IIR) filters.
C3 01.4	Understand the Characteristics and Design FIR Digital Filters using Window Techniques.
C3 01.5	Understand the Multirate DSP techniques and their applications.

Course Name :	C3 11	Course Year :	2023-2024

Course Name	Statements
C3 11.1	Understand architecture and operations of a microprocessor system in depth.
C3 11.2	Demonstrate programming proficiency using the various addressing modes and data transfer instructions of the microprocessor.

C3 11.3	Perform the detailed hardware design of a microprocessor system, and program the microprocessor using suitable techniques and software tools to interface the processor to external devices.
C3 11.4	Understand the fundamentals and architecture of 8051 microcontroller and perform simple Programs using various addressing modes and Instructions set.
C3 11.5	Design and interface the different peripheral device to the microcontroller and Understand the Functionality of ARM processor.

| Course Name : | C4 01 | Course Year : | 2023-2024 |

Course Name	Statements
C4 01.1	Acquire qualitative knowledge about the fabrication process of integrated circuit using MOS transistors.
C4 01.2	Draw the layout of any logic circuit which helps to understand and estimate parasitic of any logic circuit.
C4 01.3	Provide design concepts required to design building blocks of data path using gates.
C4 01.4	Design simple logic circuit using PLA, PAL, FPGA and CPLD.
C4 01.5	Understand different types of faults that can occur in a system and learn the concept of testing and adding extra hardware to improve testability of system.

| Course Name : | C4 09 | Course Year : | 2023-2024 |

Course Name	Statements
C4 09.1	Understand the startup opportunities, concept of Innovation and how crucial it is to treat ideation as a distinct stage in the innovation process.
C4 09.2	Understand the skills required to be an Entrepreneur, challenges of start ups and strategic perspectives in entrepreneurship.
C4 09.3	Analyse Business planning- Market research, technical feasibility and Fund raising options.
C4 09.4	Understand and analyze the Legal framework and Financial issues of startups.
C4 09.5	Understanding and identifying ventures for launching , Sustainability and growth of startups also including Exit strategies.

Course Articulation Matrix

1 . course name : C204

Course	Statements	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C204.1	Identify & a	3	3	3	2	3	-	-	-	-	-	2	2
C204.2	Differentiate	3	3	3	3	3	-	-	-	-	-	2	2
C204.3	Explain and	3	3	3	2	3	-	-	-	-	-	2	2
C204.4	Concepts o	3	3	2	2	3	-	-	-	-	-	2	3
C204.5	Apply the L	3	3	3	3	3	-	-	-	-	-	2	2
Average		3.00	3.00	2.80	2.40	3.00	0.00	0.00	0.00	0.00	0.00	2.00	2.20

2 . course name : C212

Course	Statements	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C212.1	Analyze an	3	3	2	2	2	-	-	-	-	-	2	2
C212.2	Understand	3	3	2	2	2	-	-	-	-	-	2	2
C212.3	Attain the k	3	3	2	2	2	-	-	-	-	-	2	2
C212.4	Analyze an	3	3	2	3	2	-	-	-	-	-	2	2
C212.5	Understand	3	3	3	2	2	-	-	-	-	-	2	3
Average		3.00	3.00	2.20	2.20	2.00	0.00	0.00	0.00	0.00	0.00	2.00	2.20

3 . course name : C301

Course	Statements	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C301.1	Perform tim	3	3	3	2	2	-	-	-	-	-	2	1
C301.2	Analyze an	3	3	3	2	2	-	-	-	-	-	2	1
C301.3	Understand	3	3	3	2	3	-	-	-	-	-	2	3
C301.4	Understand	3	2	3	3	3	-	-	-	-	-	2	3
C301.5	Understand	3	2	3	2	3	-	-	-	-	-	3	3
Average		3.00	2.60	3.00	2.20	2.60	0.00	0.00	0.00	0.00	0.00	2.20	2.20

4 . course name : C311

Course	Statements	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C311.1	Understand	3	1	3	1	3	2	-	-	-	-	2	2
C311.2	Demonstra	3	2	2	2	3	2	-	-	-	-	3	2

Course	Statements												
C311.3	Perform the	3	2	2	2	3	2	-	-	-	-	3	3
C311.4	Understand	3	2	2	2	3	2	-	-	-	-	3	3
C311.5	Design and	3	2	3	3	3	2	-	-	-	-	3	3
Average		3.00	1.80	2.40	2.00	3.00	2.00	0.00	0.00	0.00	0.00	2.80	2.60

5 . course name : C401

Course	Statements	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C401.1	Acquire qua	3	2	2	2	2	2	2	-	-	-	2	3
C401.2	Draw the la	3	3	3	2	3	-	-	-	-	-	3	2
C401.3	Provide des	3	3	3	3	2	-	-	-	-	-	2	2
C401.4	Design sim	3	3	3	3	3	-	-	-	-	-	3	3
C401.5	Understand	3	3	3	3	3	-	2	-	-	-	3	3
Average		3.00	2.80	2.80	2.60	2.60	2.00	2.00	0.00	0.00	0.00	2.60	2.60

6 . course name : C409

Course	Statements	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C409.1	Understand	1	2	2	2	2	2	2	1	3	2	3	2
C409.2	Understand	-	-	2	2	2	2	1	2	3	2	3	3
C409.3	Analyse Bu	1	2	2	2	3	2	1	2	3	3	3	3
C409.4	Understand	1	3	2	2	3	2	1	3	3	3	3	3
C409.5	Understand	-	1	2	2	3	2	3	2	3	3	3	3
Average		1.00	2.00	2.00	2.00	2.60	2.00	1.60	2.00	3.00	2.60	3.00	2.80

1 . Course Name : C204

Course	PSO1	PSO2	PSO3
C204.1	2	2	2
C204.2	2	3	1
C204.3	3	3	2
C204.4	2	3	1
C204.5	2	3	2
Average	**2.20**	**2.80**	**1.60**

2 . Course Name : C212

Course	PSO1	PSO2	PSO3
C212.1	2	2	2
C212.2	2	2	2
C212.3	2	2	2
C212.4	2	3	3
C212.5	2	2	2
Average	**2.00**	**2.20**	**2.20**

3 . Course Name : C301

Course	PSO1	PSO2	PSO3
C301.1	2	3	2
C301.2	2	3	2
C301.3	2	3	2
C301.4	3	3	3
C301.5	3	3	3
Average	**2.40**	**3.00**	**2.40**

4 . Course Name : C311

Course	PSO1	PSO2	PSO3
C311.1	2	2	3
C311.2	3	2	2

C311.3	3	2	3
C311.4	3	2	3
C311.5	2	2	3
Average	**2.60**	**2.00**	**2.80**

5 . Course Name : C401

Course	PSO1	PSO2	PSO3
C401.1	2	3	3
C401.2	2	3	2
C401.3	2	3	2
C401.4	3	3	3
C401.5	2	3	3
Average	**2.20**	**3.00**	**2.60**

6 . Course Name : C409

Course	PSO1	PSO2	PSO3
C409.1	2	3	2
C409.2	2	3	3
C409.3	2	3	3
C409.4	2	3	3
C409.5	2	3	3
Average	**2.00**	**3.00**	**2.80**

Program Articulation Matrix

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
EC101	1	1.5	0	1	0	3	0	3	2	3
EC102	3	2.4	2.5	1.67	2.33	0	0	0	0	0
EC103	3	3	3	3	0	0	0	3	3	3
EC104	3	2	2.2	3	0	0	0	0	0	0
EC105	3	2.8	2.2	2.4	3	1	1	1	2.4	2.8
EC106	1.6	1.67	1.67	1.67	1.75	1.67	0	1.60	1.67	1.33
EC107	3	3	3	3	3	3	3	3	3	3
EC108	3	2.8	2.2	2.2	3	1	1.2	1	2.8	2.8
EC110	1	1.5	0	1	0	3	0	2.5	2	3
EC111	2.6	3	2.2	1.67	2	2	0	0	0	0
EC112	1.8	3	2.8	2	1.8	1.8	2.8	2.2	1.8	3
EC113	3	3	3	3	3	3	3	0	3	3
EC114	3	2.8	2.2	2.2	3	1	1.2	1	2.8	2.8
EC115	1.5	3	0	3	2	0	2	0	2.67	3
EC116	2.2	2.8	3	2	2	2.2	2.8	2.6	1.8	2.8
EC117	3	2.8	2.2	2.2	3	1	1.5	1	2.8	2.8
EC201	3	3	2.4	3	1.5	0	1	0	0	0
EC202	3	2	2.2	3	0	0	0	0	0	0
EC203	3	3	2.8	2.4	3	0	0	0	0	0
EC204	3	3	2.6	2.2	0	0	0	0	0	0
EC205	3	3	3	2.8	2.6	0	0	0	0	0
EC206	3	3	2.4	2	2	0	0	0	0	0
EC207	3	3	3	3	1	0	0	0	3	3
EC208	3	3	3	2	3	0	0	0	3	3
EC210	2.8	2.8	3	2.6	2.8	0	0	0	0	0
EC211	3	3	2.2	2.2	2	0	0	0	0	0
EC212	3	3	2	2	0	2	0	0	0	0
EC213	3	3	3	3	3	2.5	0	0	0	0
EC214	2.2	2.8	2.6	2.8	1.8	2	1.3	2	0	2
EC215	2.4	2.6	2.6	2.2	2.8	1.8	1	0	0	0
EC216	3	3	3	3	3	0	2	0	3	3

EC217	3	3	3	2.4	3	2	0	0	3	3
EC301	3	2.6	3	2.2	2.6	0	0	0	0	0
EC302	2.8	2.6	2.8	2.8	2.6	2	0	0	0	0
EC303	3	2.2	2.2	2.2	2	2.5	0	0	0	0
EC304	2.8	2.8	3	3	2	3	2	3	0	0
EC305	3	2.2	1.8	2	2	2.7	2.2	1.8	0	0
EC306	3	3	3	2.4	3	2	0	0	0	0
EC307	3	3	3	2.4	3	0	0	0	3	3
EC308	3	3	3	2.2	3	0	0	0	3	3
EC309	2.8	3	3	2.33	3	2	2	2.4	3	2.2
EC311	3	1.8	2.4	2	3	2	0	0	0	0
EC312	2.8	2.8	3	3	2.4	0	0	0	0	0
EC313	2.6	2	1.8	1.8	1	2	2	2	0	0
EC314	3	2.2	1.8	2.2	2	2	2	2	0	0
EC315	2.8	2.8	2.8	1.8	2	0	0	2	0	0
EC316	3	2.2	2.2	2.6	3	3	2	2	3	3
EC317	3	2	2.2	2.6	3	0	0	0	3	3
EC318	2.8	3	3	2.33	3	2	2	2.4	3	2.2
EC401	3	2.4	2.4	2.6	2.2	2	2	0	0	0
EC402	3	2.6	2.4	2.8	1.8	0	0	0	0	0
EC403	3	2	2.2	2.4	3	2	2	0	0	0
EC404	3	2.8	2.4	2.2	0	3	2	2	0	0
EC405	2.6	3	2.6	2.4	2	1	1	0	0	0
EC406	3	2	2	2	3	0	0	0	2.6	3
EC407	3	2	2	2.6	2.6	0	0	0	3	3
EC408	2.8	3	3	2.33	3	2	2	2.4	3	2.2
EC409	1	2	2	2	2.6	2	1.6	2	3	2.6
EC410	2.8	3	3	2.33	3	2	2	2.4	3	2.2

Course	PSO1	PSO2	PSO3
EC101	1	1	1
EC102	2	2	2
EC103	2	2	2

EC104	2	2	2
EC105	2	2	2
EC106	2	2	2
EC107	2.2	2.4	2.2
EC108	2	2	2
EC110	1	1	1
EC111	2	2	2
EC112	2	2	2
EC113	2	2	2
EC114	2	2	2
EC115	2	2	2
EC116	2	2	2
EC117	2	2	2
EC201	2.2	2.4	2.2
EC202	2	2.8	1.4
EC203	2.2	2.8	1.6
EC204	2	2.2	2
EC205	2.8	2.8	2.8
EC206	2.4	2.2	2
EC207	2	3	2
EC208	2	3	2
EC210	2	2.8	2
EC211	2	2.2	2.2
EC212	2.4	2	1.8
EC213	2	3	2
EC214	2.6	2.6	2.8
EC215	2.6	2.8	2.6
EC216	2	3	3
EC217	2.8	3	2.6
EC301	2.4	3	2.4
EC302	2.2	2.8	2.4
EC303	2.4	2.8	2.6

EC304	3	2.8	3
EC305	2.2	2.4	2.2
EC306	3	3	3
EC307	2.2	2.8	3
EC308	2.4	2.2	2.6
EC309	3	3	3
EC311	2.6	2	2.8
EC312	3	2.8	3
EC313	2.4	1.8	2.4
EC314	2.2	2.2	2.6
EC315	3	3	3
EC316	2.2	3	2.2
EC317	2.2	3	2.4
EC318	2.2	2.8	2.4
EC401	2.2	3	2.6
EC402	2.4	2.4	2.8
EC403	2	2	2.4
EC404	2	2	2.4
EC405	2	2.4	2
EC406	2.4	2.6	2
EC407	2	3	3
EC408	2.2	2.8	2.4
EC409	2	3	2.8
EC410	2.2	2.8	2.4

3.2 Attainment of Course Outcomes (75)

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

Data sources that are considered in evaluating the course outcomes are:

1. Final Exams: The questions ranging from basics to challenging problems are used to assess the fundamental concepts, numerical and analytical skills

2. Subjective tests: The questions ranging from basic to challenging problems are used to assess the fundamental concepts, numerical and analytical skills.

3. Objective tests: The questions ranging from basic to challenging problems are used to assess the fundamental concepts, numerical and analytical skills.

4. Assignments on specific topics which involve application of concepts to solve a wide range of problems are given frequently to the students.

5. Application Development is used to evaluate the students ability and understanding to the real time applications, usage of various tools and the emerging technologies.

6. Mini projects/practical assignments/ power point presentations are used to evaluate the students' ability to use various tools, equipment, components and software.

7. Participation and involvement in different clubs/societies such as IEEE Student Branch, IETE Student Chapter, technical fest and cultural fest to evaluate the curricular, co-curricular and extra-curricular activities and the abilities to work environment.

8. Assessment of project work to ensure proficiency in the student's chosen field of interest and the tools necessary to practice that field.

9. Student Portfolios which disclose the demonstration skills, personal characteristics and accomplishments by the students, if any.
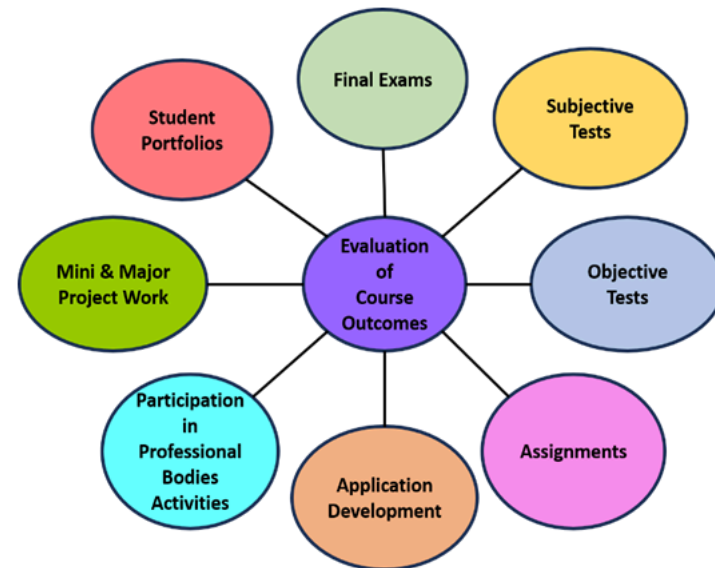
3.2.2 Record the attainment of Course Outcomes of all courses with respect to set attainment levels (65)

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. Project
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 Signals & Systems is shown below:

Table 1: Assessment- CO Matrix

Assessment Type	Course Outcomes					Total
	EC204.1	EC204.2	EC204.3	EC204.4	EC204.5	
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 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 (R18 & R20)

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

Table 2(d): Overall Percentage Distribution for Labs (R22)

Assessment	Final Exam(60m)	Internal (40m)			Total
		Continuous Evaluation		Internal Exam	
Total Marks as per scheme	60m	Perf of Exp	Rec & Obs	25m	100m
		10m	5m		
Overall Percentage	60%	10%	5%	25%	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 R22 regulation.**

Table 3: Students marks according to the assessment type applicable

EC204: SIGNALS & SYSTEMS				
S.No	Roll No.	Internal Assessment		Final Exam
		Subjective	Assignment	
1	22N31A0401	16	9	35
2	22N31A0402	28	8	36
3	22N31A0403	11	10	28
4	22N31A0404	20	10	22
5	22N31A0405	18	9	23
6	22N31A0406	23	10	21
7	22N31A0407	26	9	33
8	22N31A0408	27	10	42
9	22N31A0409	25	10	36
10	22N31A0410	24	8	27
11	22N31A0411	23	10	10
12	22N31A0412	27	8	32
13	22N31A0413	23	10	21
14	22N31A0414	9	10	0
15	22N31A0415	25	10	28

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

CO1= (0.2*FE*0.60) + (0.2*Sub*0.3) + (0.2*A*0.1)

CO2= (0.2*FE*0.60) + (0.2*Sub*0.3) + (0.2*A*0.1)

CO3= (0.2*FE*0.60) + (0.2*Sub*0.3) + (0.2*A*0.1)

CO4= (0.2*FE*0.60) + (0.2*Sub*0.3) + (0.2*A*0.1)

CO5= (0.2*FE*0.60) + (0.2*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 for 15 students is shown below.

Table 4: Course Outcome Attainment

S.No	Roll No.	Course Outcomes				
		CO1	CO2	CO3	CO4	CO5
1	22N31A0401	5.34	5.34	5.34	5.34	5.34
2	22N31A0402	6.16	6.16	6.16	6.16	6.16
3	22N31A0403	4.22	4.22	4.22	4.22	4.22
4	22N31A0404	4.04	4.04	4.04	4.04	4.04
5	22N31A0405	4.02	4.02	4.02	4.02	4.02
6	22N31A0406	4.1	4.1	4.1	4.1	4.1
7	22N31A0407	5.7	5.7	5.7	5.7	5.7
8	22N31A0408	6.86	6.86	6.86	6.86	6.86
9	22N31A0409	6.02	6.02	6.02	6.02	6.02
10	22N31A0410	4.84	4.84	4.84	4.84	4.84
11	22N31A0411	2.78	2.78	2.78	2.78	2.78
12	22N31A0412	5.62	5.62	5.62	5.62	5.62
13	22N31A0413	4.1	4.1	4.1	4.1	4.1
14	22N31A0414	0.74	0.74	0.74	0.74	0.74
15	22N31A0415	5.06	5.06	5.06	5.06	5.06

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.

Target for CO1= ((0.6*25.2) + (0.3*18) + (0.1*6)) *0.2

Target for CO2= ((0.6*25.2) + (0.3*18) + (0.1*6)) *0.2

Target for CO3= ((0.6*25.2) + (0.3*18) + (0.1*6)) *0.2

Target for CO4= ((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

42% of Final Lab Marks

60% of Continuous evaluation

60% of Internal Lab Marks

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	EC204.1	EC204.2	EC204.3	EC204.4	EC204.5
Target Value	4.224	4.224	4.224	4.224	4.224
No. of students reached target	86	86	86	86	86
% of students achieved target	62.32	62.32	62.32	62.32	62.32
Attainment Level	2	2	2	2	2

The graphical representation is as shown below

EC204: SIGNALS AND SYSTEMS

	EC204.1	EC204.2	EC204.3	EC204.4	EC204.5
■ % of students achieved target	62.32	62.32	62.32	62.32	62.32
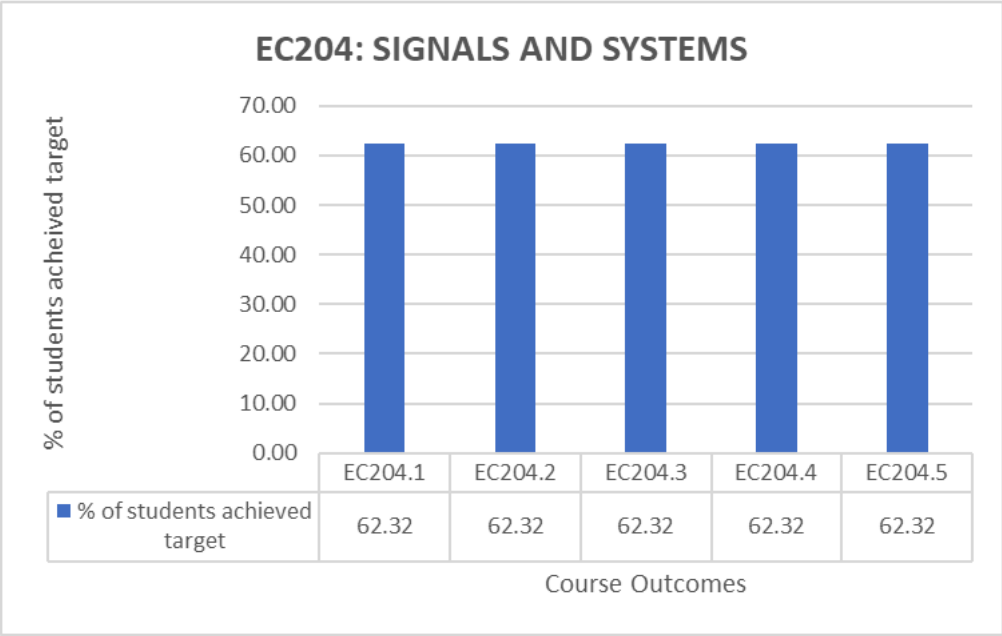
Course Outcomes

CO Attainment for the Academic year (2023-2024):

EC201: ANALOG CIRCUITS

Course Outcomes	EC201.1	EC201.2	EC201.3	EC201.4	EC201.5
Target Value	4.224	4.224	4.224	4.224	4.224
No. of students reached target	104	104	104	104	104
% of students achieved target	75.36	75.36	75.36	75.36	75.36
Attainment Level	3	3	3	3	3
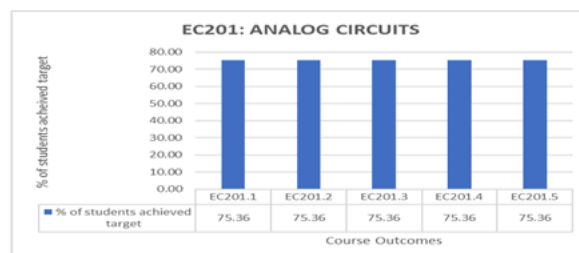
EC202: NETWORK ANALYSIS AND SYNTHESIS

Course Outcomes	EC202.1	EC202.2	EC202.3	EC202.4	EC202.5
Target Value	4.224	4.224	4.224	4.224	4.224
No. of students reached target	99	99	99	99	99
% of students achieved target	71.74	71.74	71.74	71.74	71.74
Attainment Level	3	3	3	3	3
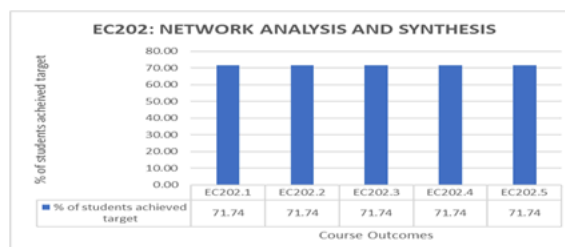
EC203: DIGITAL LOGIC DESIGN

Course Outcomes	EC203.1	EC203.2	EC203.3	EC203.4	EC203.5
Target Value	4.224	4.224	4.224	4.224	4.224
No. of students reached target	88	88	88	88	88
% of students achieved target	63.77	63.77	63.77	63.77	63.77
Attainment Level	2	2	2	2	2
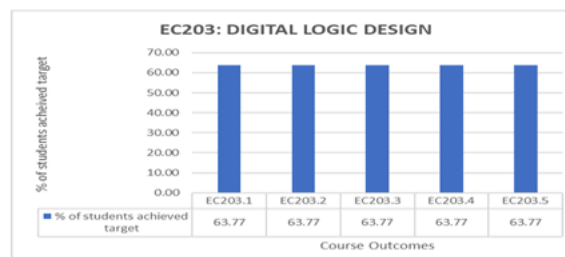
EC204: SIGNALS AND SYSTEMS

Course Outcomes	EC204.1	EC204.2	EC204.3	EC204.4	EC204.5
Target Value	4.224	4.224	4.224	4.224	4.224
No. of students reached target	86	86	86	86	86
% of students achieved target	62.32	62.32	62.32	62.32	62.32
Attainment Level	2	2	2	2	2
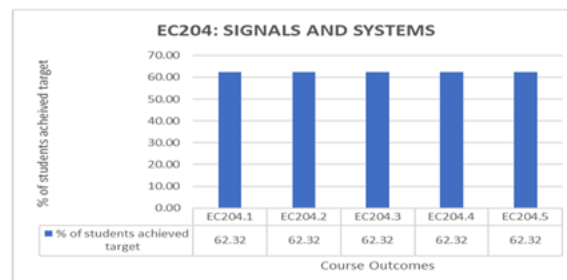
EC205: PROBABILITY THEORY AND STOCHASTIC PROCESSES

Course Outcomes	EC205.1	EC205.2	EC205.3	EC205.4	EC205.5
Target Value	4.224	4.224	4.224	4.224	4.224
No. of students reached target	74	74	74	74	74
% of students achieved target	53.62	53.62	53.62	53.62	53.62
Attainment Level	1	1	1	1	1

EC205: PROBABILITY THEORY AND STOCHASTIC PROCESSES

	EC205.1	EC205.2	EC205.3	EC205.4	EC205.5
% of students achieved target	53.62	53.62	53.62	53.62	53.62
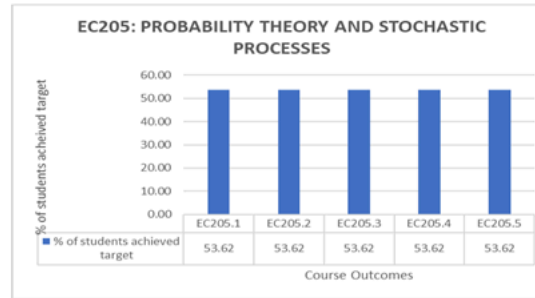
Course Outcomes

EC206: ANALOG CIRCUITS LAB

Course Outcomes	EC206.1	EC206.2	EC206.3	EC206.4	EC206.5
Target Value	3.924	3.924	3.924	3.924	3.924
No. of students reached target	138	138	138	138	138
% of students achieved target	100.00	100.00	100.00	100.00	100.00
Attainment Level	3	3	3	3	3
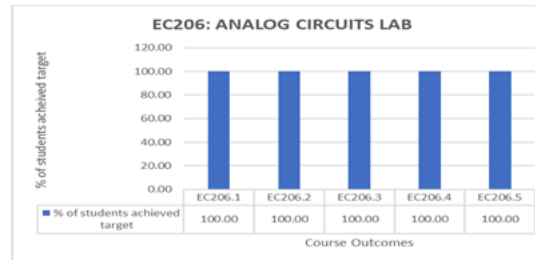
EC207: DIGITAL LOGIC DESIGN LAB

Course Outcomes	EC207.1	EC207.2	EC207.3	EC207.4	EC207.5
Target Value	3.924	3.924	3.924	3.924	3.924
No. of students reached target	138	138	138	138	138
% of students achieved target	100.00	100.00	100.00	100.00	100.00
Attainment Level	3	3	3	3	3
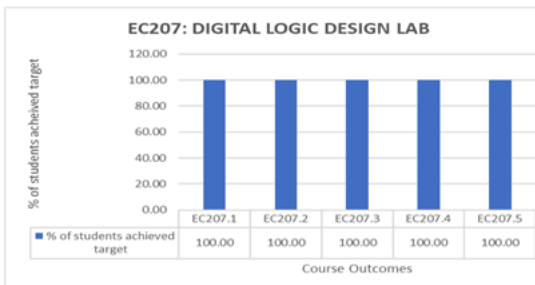
EC208: BASIC SIMULATION LAB

Course Outcomes	EC208.1	EC208.2	EC208.3	EC208.4	EC208.5
Target Value	3.924	3.924	3.924	3.924	3.924
No. of students reached target	134	134	134	134	134
% of students achieved target	97.10	97.10	97.10	97.10	97.10
Attainment Level	3	3	3	3	3
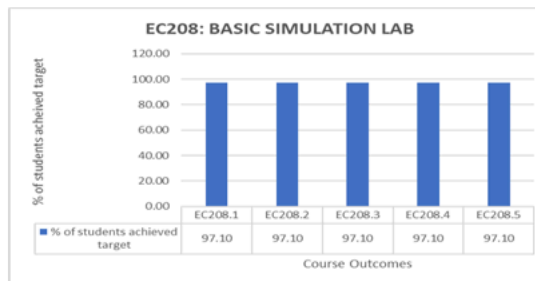
EC210: NUMERICAL METHODS AND COMPLEX VARIABLES

Course Outcomes	EC210.1	EC210.2	EC210.3	EC210.4	EC210.5
Target Value	4.224	4.224	4.224	4.224	4.224
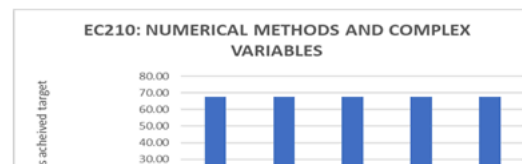
No. of students reached target	92	92	92	92	92
% of students achieved target	67.65	67.65	67.65	67.65	67.65
Attainment Level	2	2	2	2	2
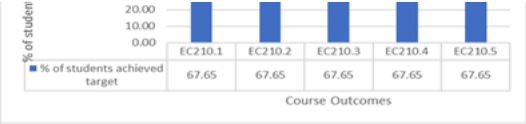
EC211: ELECTROMAGNETIC FIELDS AND TRANSMISSION LINES

Course Outcomes	EC211.1	EC211.2	EC211.3	EC211.4	EC211.5
Target Value	4.224	4.224	4.224	4.224	4.224
No. of students reached target	90	90	90	90	90
% of students achieved target	66.18	66.18	66.18	66.18	66.18
Attainment Level	2	2	2	2	2
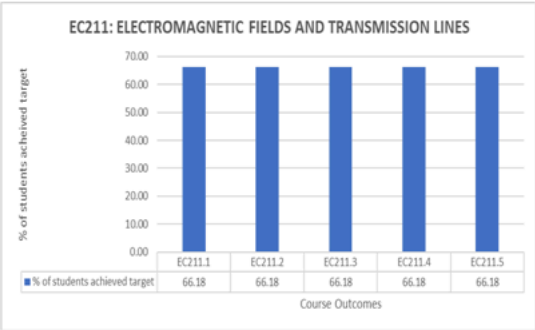
EC212: ANALOG AND DIGITAL COMMUNICATIONS

Course Outcomes	EC212.1	EC212.2	EC212.3	EC212.4	EC212.5
Target Value	4.224	4.224	4.224	4.224	4.224
No. of students reached target	93	93	93	93	93
% of students achieved target	68.38	68.38	68.38	68.38	68.38
Attainment Level	2	2	2	2	2
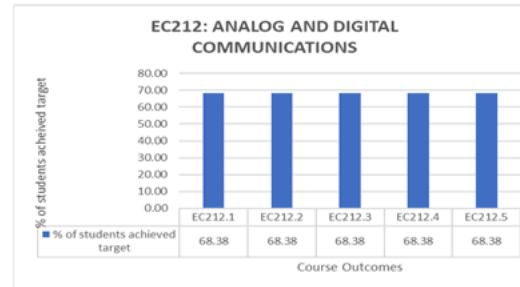
EC213: LINEAR AND DIGITAL IC APPLICATIONS

Course Outcomes	EC213.1	EC213.2	EC213.3	EC213.4	EC213.5
Target Value	4.224	4.224	4.224	4.224	4.224
No. of students reached target	98	98	98	98	98
% of students achieved target	72.06	72.06	72.06	72.06	72.06
Attainment Level	3	3	3	3	3
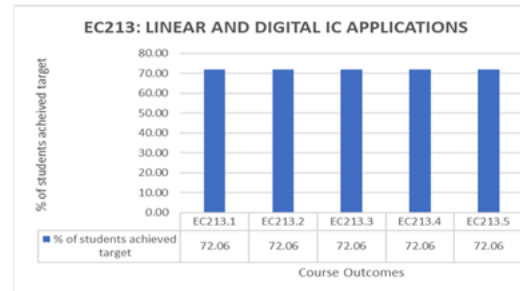
EC214: ELECTRONIC CIRCUIT ANALYSIS

Course Outcomes	EC214.1	EC214.2	EC214.3	EC214.4	EC214.5
Target Value	4.224	4.224	4.224	4.224	4.224
No. of students reached target	93	93	93	93	93
% of students achieved target	68.38	68.38	68.38	68.38	68.38
Attainment Level	2	2	2	2	2
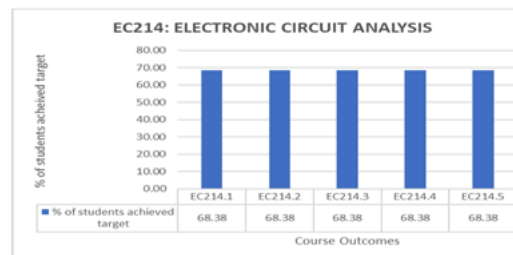
EC215: ANALOG AND DIGITAL COMMUNICATIONS LAB

Course Outcomes	EC215.1	EC215.2	EC215.3	EC215.4	EC215.5
Target Value	3.924	3.924	3.924	3.924	3.924
No. of students reached target	134	134	134	134	134

% of students achieved target	98.53	98.53	98.53	98.53	98.53
Attainment Level	3	3	3	3	3

EC216: LINEAR AND DIGITAL IC APPLICATIONS LAB

Course Outcomes	EC216.1	EC216.2	EC216.3	EC216.4	EC216.5
Target Value	3.924	3.924	3.924	3.924	3.924
No. of students reached target	134	134	134	134	134
% of students achieved target	98.53	98.53	98.53	98.53	98.53
Attainment Level	3	3	3	3	3

EC216:LINEAR AND DIGITAL IC APPLICATIONS LAB

	EC216.1	EC216.2	EC216.3	EC216.4	EC216.5
% of students achieved target	98.53	98.53	98.53	98.53	98.53
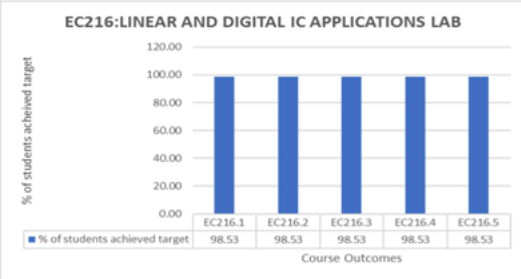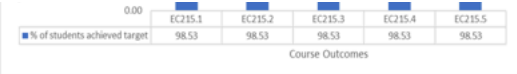
EC217: ELECTRONIC CIRCUIT ANALYSIS LAB

Course Outcomes	EC217.1	EC217.2	EC217.3	EC217.4	EC217.5
Target Value	3.924	3.924	3.924	3.924	3.924
No. of students reached target	134	134	134	134	134
% of students achieved target	98.53	98.53	98.53	98.53	98.53
Attainment Level	3	3	3	3	3
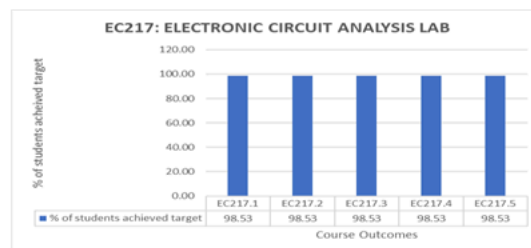
EC218: REAL TIME PROJECT/FIELD BASE PROJECT

Course Outcomes	EC218.1	EC218.2	EC218.3	EC218.4	EC218.5
Target Value	2.34	2.16	1.44	2.34	2.52
No. of students reached target	133	133	133	133	133
% of students achieved target	97.79	97.79	97.79	97.79	97.79
Attainment Level	3	3	3	3	3
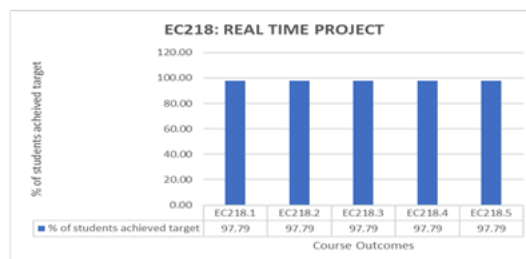
EC301: DIGITAL SIGNAL PROCESSING

Course Outcomes	EC301.1	EC301.2	EC301.3	EC301.4	EC301.5
Target Value	4.85	4.85	4.85	4.85	4.85
No.of Students reached Target	215	215	215	215	215
%of students achieved target	76.24	76.24	76.24	76.24	76.24
Attainment level	3	3	3	3	3
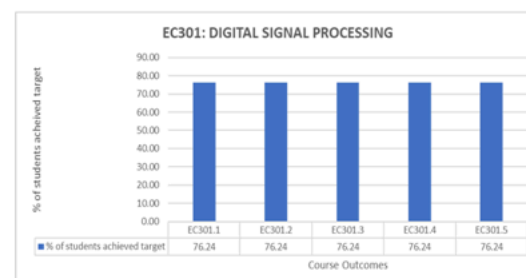
EC302: LINEAR AND DIGITAL IC APPLICATIONS

Course Outcomes	EC302.1	EC302.2	EC302.3	EC302.4	EC302.5
Target Value	4.85	4.85	4.85	4.85	4.85
No.of Students reached Target	210	210	210	210	210
%of students achieved target	73.40	73.40	73.40	73.40	73.40

Attainment Level	3	3	3	3	3

% of students achieved target	73.40	73.40	73.40	73.40	73.40

Course Outcomes

EC303: COMPUTER ORGANIZATION AND ARCHITECTURE
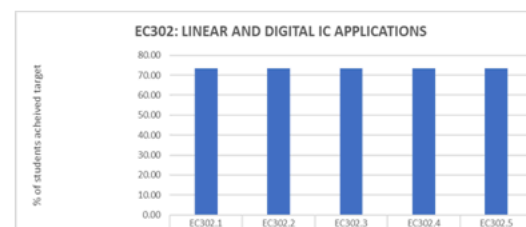
Course Outcomes	EC303.1	EC303.2	EC303.3	EC303.4	EC303.5
Target Value	4.85	4.85	4.85	4.85	4.85
No.of Students reached Target	224	224	224	224	224
%of students achieved target	79.43	79.43	79.43	79.43	79.43
Attainment Level	3	3	3	3	3

EC303: COMPUTER ORGANIZATION AND ARCHITECTURE

	EC303.1	EC303.2	EC303.3	EC303.4	EC303.5
% of students achieved target	79.43	79.43	79.43	79.43	79.43
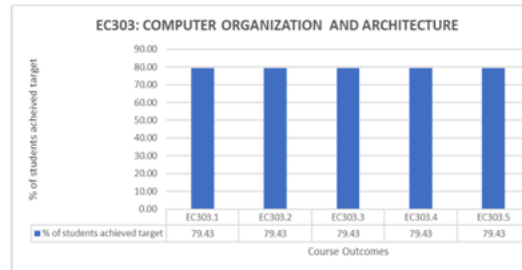
Course Outcomes

EC304: FUNDAMENTALS OF CYBER SECURITY

Course Outcomes	EC304.1	EC304.2	EC304.3	EC304.4	EC304.5
Target Value	4.85	4.85	4.85	4.85	4.85
No. of Students reached Target	185	185	185	185	185
% of students achieved target	65.60	65.60	65.60	65.60	65.60
Attainment level	2	2	2	2	2
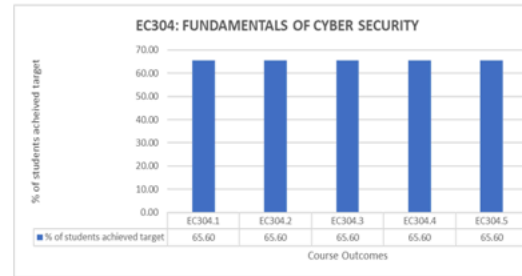
EC305: COMPUTER NETWORKS

Course Outcomes	EC305.1	EC305.2	EC305.3	EC305.4	EC305.5
Target Value	4.85	4.85	4.85	4.85	4.85
No. of Students reached Target	186	186	186	186	186
% of students achieved target	65.96	65.96	65.96	65.96	65.96
Attainment level	2	2	2	2	2
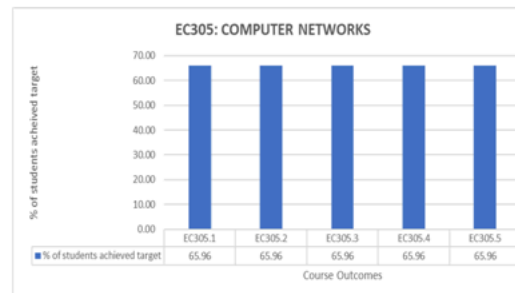
EC306: JAVA PROGRAMMING

Course Outcomes	EC306.1	EC306.2	EC306.3	EC306.4	EC306.5
Target Value	4.85	4.85	4.85	4.85	4.85
No. of Students reached Target	132	132	132	132	132
% of students achieved target	50.00	50.00	50.00	50.00	50.00
Attainment level	1	1	1	1	1
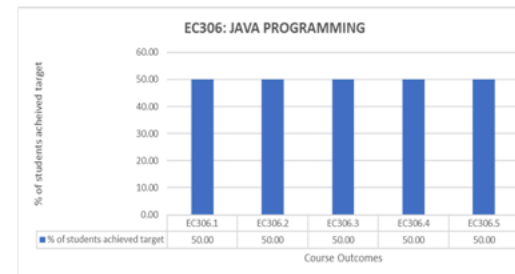
EC307: DIGITAL SIGNAL PROCESSING LAB

Course Outcomes	EC307.1	EC307.2	EC307.3	EC307.4	EC307.5
Target Value	4.536	4.536	4.536	4.536	4.536
No. of Students reached Target	280	280	280	280	280

% of students achieved target	99.29	99.29	99.29	99.29	99.29
Attainment Level	3	3	3	3	3

	EC307.1	EC307.2	EC307.3	EC307.4	EC307.5
% of students achieved target	99.29	99.29	99.29	99.29	99.29
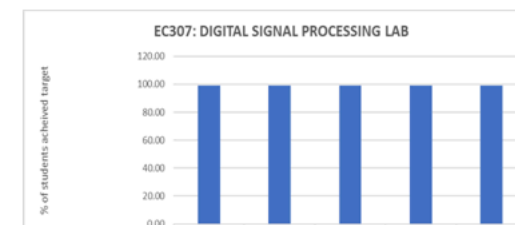
Course Outcomes

EC308: LINEAR AND DIGITAL IC APPLICATIONS LAB

Course Outcomes	EC308.1	EC308.2	EC308.3	EC308.4	EC308.5
Target Value	4.536	4.536	4.536	4.536	4.536
No. of Students reached Target	280	280	280	280	280
% of students achieved target	99.29	99.29	99.29	99.29	99.29
Attainment Level	3	3	3	3	3

EC308: LDICA LAB

	EC308.1	EC308.2	EC308.3	EC308.4	EC308.5
% of students achieved target	99.29	99.29	99.29	99.29	99.29

Course Outcomes

EC309: APPLICATION DEVELOPMENT-I

Course Outcomes	EC309.1	EC309.2	EC309.3	EC309.4	EC309.5
Target Value	2.54	2.34	1.56	2.54	2.73
No. of Students reached Target	270	270	272	270	270
% of students achieved target	95.74	95.74	96.45	95.74	95.74
Attainment Level	3	3	3	3	3
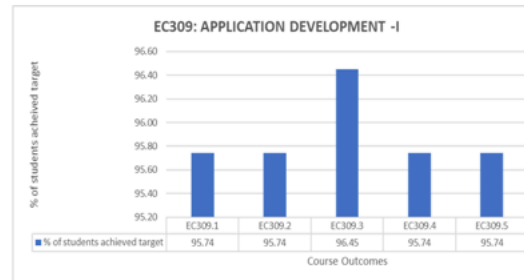
EC311: MICROPROCESSORS AND MICROCONTROLLERS

Course Outcomes	EC311.1	EC311.2	EC311.3	EC311.4	EC311.5
Target Value	4.85	4.85	4.85	4.85	4.85
No. of Students reached Target	251	251	251	251	251
% of students achieved target	89.01	89.01	89.01	89.01	89.01
Attainment level	3	3	3	3	3
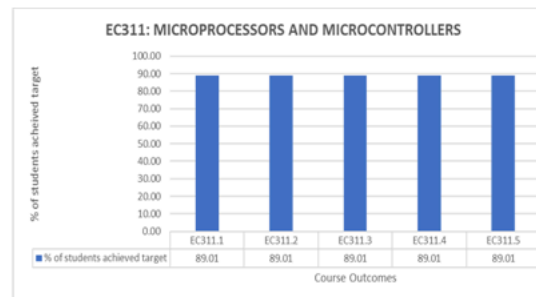
EC312: ARTIFICIAL INTELLIGENCE & MACHINE LEARNING

Course Outcomes	EC312.1	EC312.2	EC312.3	EC312.4	EC312.5
Target Value	4.85	4.85	4.85	4.85	4.85
No. of Students reached Target	217	217	217	217	217
% of students achieved target	76.95	76.95	76.95	76.95	76.95
Attainment level	3	3	3	3	3
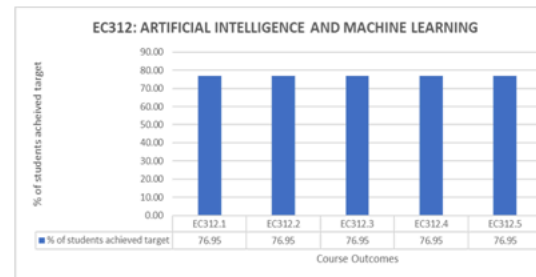
EC313: WIRELESS COMMUNICATIONS

Course Outcomes	EC313.1	EC313.2	EC313.3	EC313.4	EC313.5
Target Value	4.85	4.85	4.85	4.85	4.85
No. of Students reached Target	238	238	238	238	238
% of students achieved target	84.40	84.40	84.40	84.40	84.40
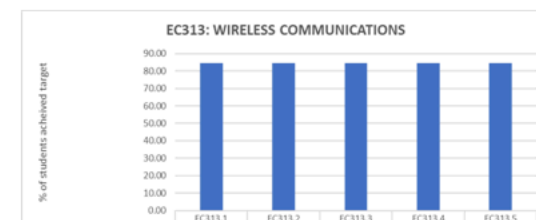
Attainment level	3	3	3	3	3

EC314: SATELLITE COMMUNICATIONS

Course Outcomes	EC314.1	EC314.2	EC314.3	EC314.4	EC314.5
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	74.82	74.82	74.82	74.82	74.82
Attainment level	3	3	3	3	3

EC314: SATELLITE COMMUNICATIONS

	EC314.1	EC314.2	EC314.3	EC314.4	EC314.5
% of students achieved target	74.82	74.82	74.82	74.82	74.82
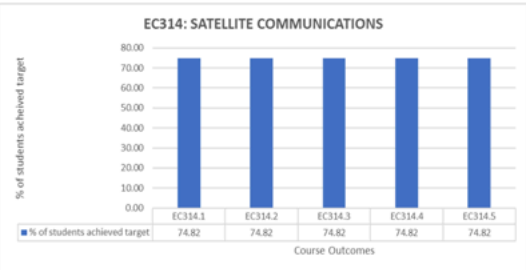
EC315: CLOUD COMPUTING FUNDAMENTALS

Course Outcomes	EC315.1	EC315.2	EC315.3	EC315.4	EC315.5
Target Value	4.85	4.85	215	4.85	4.85
No. of Students reached Target	215	215	215	215	215
% of students achieved target	76.24	76.24	76.24	76.24	76.24
Attainment level	3	3	3	3	3
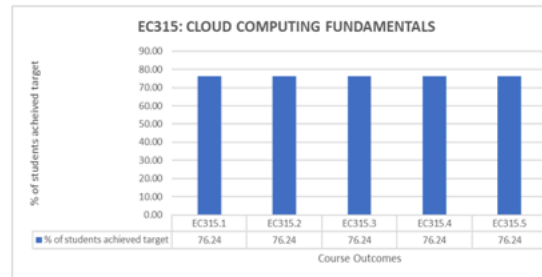
EC316: MICROPROCESSORS AND MICROCONTROLLERS LAB

Course Outcomes	EC316.1	EC316.2	EC316.3	EC316.4	EC316.5
Target Value	4.536	4.536	4.536	4.536	4.536
No. of Students reached Target	277	277	277	277	277
% of students achieved target	98.22	98.22	98.22	98.22	98.22
Attainment Level	3	3	3	3	3
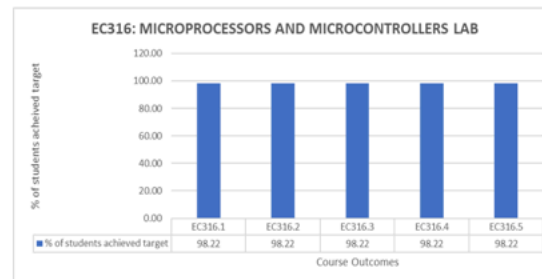
EC317: ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING LAB

Course Outcomes	EC317.1	EC317.2	EC317.3	EC317.4	EC317.5
Target Value	4.536	4.536	4.536	4.536	4.536
No. of Students reached Target	276	276	276	276	276
% of students achieved target	97.87	97.87	97.87	97.87	97.87
Attainment Level	3	3	3	3	3
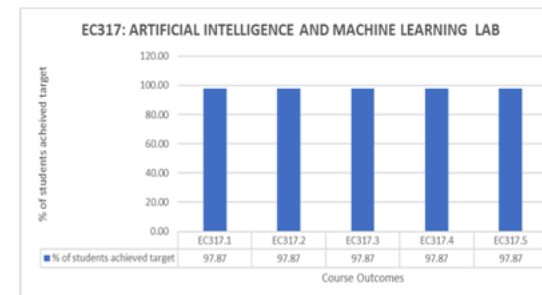
EC318: APPLICATION DEVELOPMENT-II

Course Outcomes	EC318.1	EC318.2	EC318.3	EC318.4	EC318.5
Target Value	2.54	2.34	1.56	2.54	2.73
No. of Students reached Target	274	274	277	274	273
% of students achieved target	97.16	97.16	98.22	97.16	96.80

Attainment Level	3	3	3	3	3

% of students achieved target	97.16	97.16	98.22	97.16	96.80

Course Outcomes

EC401: VLSI DESIGN
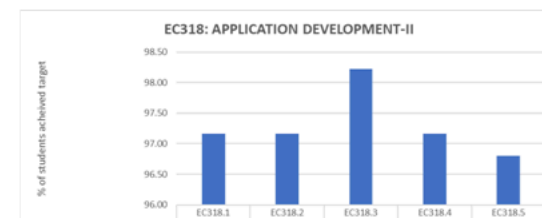
Course Outcomes	EC401.1	EC401.2	EC401.3	EC401.4	EC401.5
Target Value	4.85	4.85	4.85	4.85	4.85
No. of students reached target	223	223	223	223	223
% of students achieved target	88.49	88.49	88.49	88.49	88.49
Attainment Level	3	3	3	3	3

EC401: VLSI DESIGN

| % of students achieved target | 88.49 | 88.49 | 88.49 | 88.49 | 88.49 |
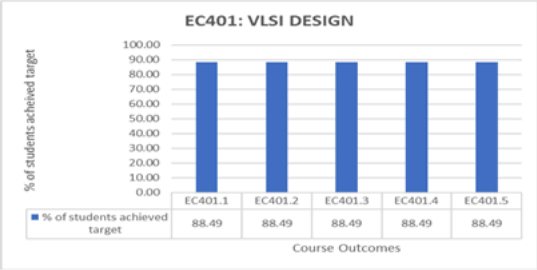
EC402: MICROWAVE ENGINEERING

Course Outcomes	EC402.1	EC402.2	EC402.3	EC402.4	EC402.5
Target Value	4.85	4.85	4.85	4.85	4.85
No. of students reached target	176	176	176	176	176
% of students achieved target	69.8	69.8	69.8	69.8	69.8
Attainment Level	3	3	3	3	3
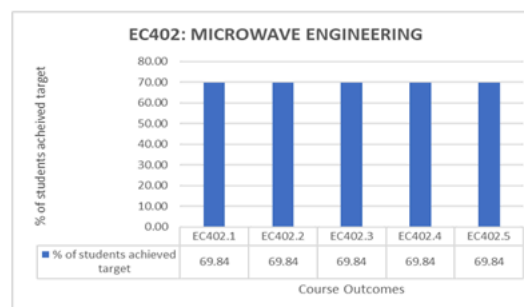
EC403: EMBEDDED SYSTEM DESIGN

Course Outcomes	EC403.1	EC403.2	EC403.3	EC403.4	EC403.5
Target Value	4.85	4.85	4.85	4.85	4.85
No. of students reached target	214	214	214	214	214
% of students achieved target	84.92	84.92	84.92	84.92	84.92
Attainment Level	3	3	3	3	3
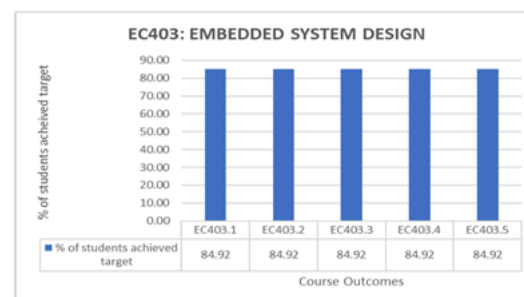
EC404: RADAR SYSTEMS

Course Outcomes	EC404.1	EC404.2	EC404.3	EC404.4	EC404.5
Target Value	4.85	4.85	4.85	4.85	4.85
No. of students reached target	198	198	198	198	198
% of students achieved target	78.57	78.57	78.57	78.57	78.57
Attainment Level	3	3	3	3	3
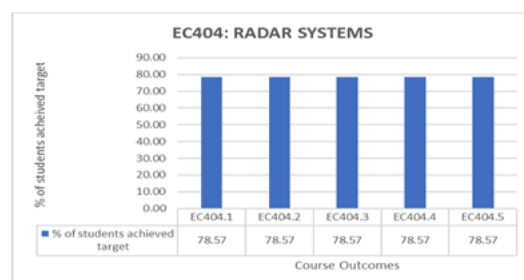
EC405: IMAGE AND VIDEO PROCESSING

Course Outcomes	EC405.1	EC405.2	EC405.3	EC405.4	EC405.5
Target Value	4.85	4.85	4.85	4.85	4.85
No. of students reached target	182	182	182	182	182
% of students achieved target	72.22	72.22	72.22	72.22	72.22

Attainment Level	3	3	3	3	3

EC406: VLSI LAB

Course Outcomes	EC406.1	EC406.2	EC406.3	EC406.4	EC406.5
Target Value	4.536	4.536	4.536	4.536	4.536
No. of students reached target	252	252	252	252	252
% of students achieved target	100.00	100.00	100.00	100.00	100.00
Attainment Level	3	3	3	3	3

EC406: VLSI LAB

	EC406.1	EC406.2	EC406.3	EC406.4	EC406.5
% of students achieved target	100.00	100.00	100.00	100.00	100.00
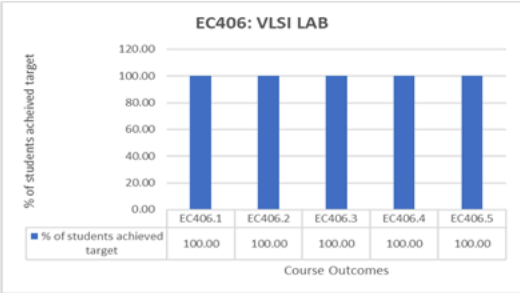
EC407: EM&MW LAB

Course Outcomes	EC407.1	EC407.2	EC407.3	EC407.4	EC407.5
Target Value	4.536	4.536	4.536	4.536	4.536
No. of students reached target	250	250	250	250	250
% of students achieved target	99.21	99.21	99.21	99.21	99.21
Attainment Level	3	3	3	3	3
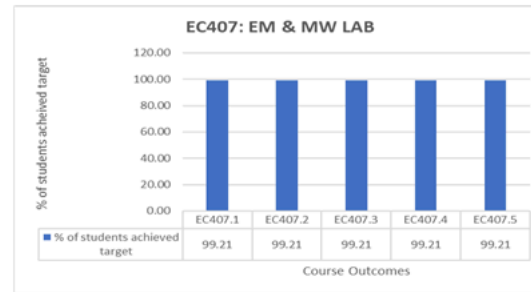
EC408: MINI PROJECT

Course Outcomes	EC408.1	EC408.2	EC408.3	EC408.4	EC408.5
Target Value	2.54	2.34	1.56	2.54	2.73
No. of students reached target	251	251	251	251	251
% of students achieved target	99.60	99.60	99.60	99.60	99.60
Attainment Level	3	3	3	3	3
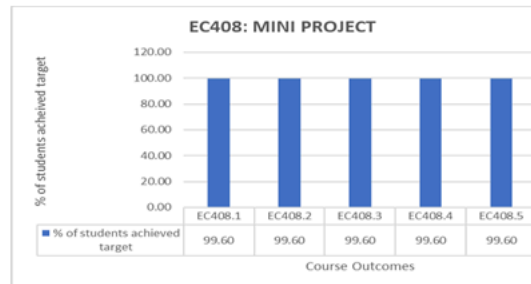
EC409: INNOVATION, START-UPS & ENTREPRENEURSHIP

Course Outcomes	EC409.1	EC409.2	EC409.3	EC409.4	EC409.5
Target Value	4.85	4.85	4.85	4.85	4.85
No. of students reached target	187	187	187	187	187
% of students achieved target	73.05	73.05	73.05	73.05	73.05
Attainment Level	3	3	3	3	3
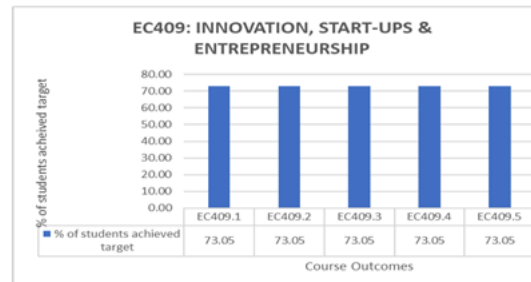
EC410: MAJOR PROJECT

Course Outcomes	EC410.1	EC410.2	EC410.3	EC410.4	EC410.5
Target Value	2.54	2.34	1.56	2.54	2.73
No. of students reached target	253	253	253	253	253
% of students achieved target	98.83	98.83	98.83	98.83	98.83
Attainment Level	3	3	3	3	3
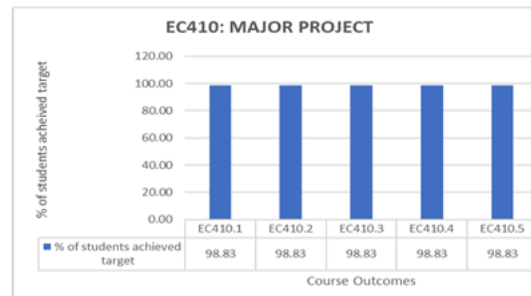
3.3 Attainment of Program Outcomes and Program Specific Outcomes (75)

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

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**

   a. Continuous Internal Evaluation (CIE) tests
   b. Semester End examinations
   c. Practical tests
   d. Application Development
   e. Project

2. **Indirect method**

   a. Employer Survey(Industry Survey)
   b. Alumni Survey
   c. Parents Survey
   d. 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/ quizzes, Course exit survey, Student exit survey, Employer survey, Placement records, Alumni Survey.

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

1. Tutorials are assessed weekly
2. Minimum of two assignments are evaluated in every course (theory).
3. One Application development, mini-project and main projects are associated with each program.
4. Project works progress is monitored by the guide; in addition to that frequent evaluation is carried out with proper assessment tools.
5. 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.
6. 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.

Attainment of Program Outcomes & Program Specific Outcomes

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 during each semester for every course.
Oral Exams/Viva Voce	Direct	Viva Voce conducted during lab sessions. End Semester course viva is also used to measure the same.
Application Development Evaluation	Direct	Application Development Evaluation conducted among the students towards the end of their semester.
Project Evaluation	Direct	Project Evaluation conducted among the students towards the end of their final year.
Course Evaluation	Direct	Course Evaluation is collected from the faculty at the end of each semester. Mode of evaluation is semester exam, Internal test and assignments.
Alumni Survey	Indirect	Alumni Survey conducted among the 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	Parents Survey conducted among the parents both as formal & informal mode of communication.

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

For example: here we have considered only 6 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 of PO1

COURSE	COURSE OUTCOMES					Average
	CO1	CO2	CO3	CO4	CO5	
EC204(SS)	2	2	2	2	2	2
EC212(ADC)	2	2	2	2	2	2
EC301(DSP)	3	3	3	3	3	3
EC311(MPMC)	3	3	3	3	3	3
EC401(VLSI)	3	3	3	3	3	3
EC409(ISE)	3	3	3	3	3	3

Table 3: Direct Attainment of PSO1

COURSE	COURSE OUTCOMES					Average
	CO1	CO2	CO3	CO4	CO5	
EC204(SS)	2	2	2	2	2	2
EC212(ADC)	2	2	2	2	2	2
EC301(DSP)	3	3	3	3	3	3
EC311(MPMC)	3	3	3	3	3	3
EC401(VLSI)	3	3	3	3	3	3
EC409(ISE)	3	3	3	3	3	3

The same procedure is followed for the remaining POs & PSOs. Then to get the Direct attainment of each PO & PSO Average of the last column is taken as shown in Table 4

For example:

Indirect Attainment

Survey	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	2	2	2	3	2	3	3	3	3	3	3	2	3	2
Alumni Survey	3	3	3	3	3	3	2	3	3	3	3	3	2	3	3
Parents Survey	2	2	2	2	3	3	3	3	3	3	3	2	2	2	2
Student Exit Survey	3	3	3	3	3	3	2	2	3	3	2	3	3	2	3
Indirect Attainment	2.50	2.50	2.50	2.50	3.00	2.75	2.50	2.75	3.00	3.00	2.75	2.75	2.25	2.50	2.50

The Overall attainment of PO & PSO is defined as

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

COURSE	PROGRAM OUTCOMES												PROGRAM SPECIFIC OUTCOMES		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
EC204(SS)	2	2	2	2	2	-	-	-	-	-	2	2	2	2	2
EC212(ADC)	2	2	2	2	2	-	-	-	-	-	2	2	2	2	2
EC301(DSP)	3	3	3	3	3	-	-	-	-	-	3	3	3	3	3
EC311(MPMC)	3	3	3	3	3	3	-	-	-	-	3	3	3	3	3
EC401(VLSI)	3	3	3	3	3	3	3	-	-	-	3	3	3	3	3
EC409(ISE)	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
Direct Attainment	2.67	2.67	2.67	2.67	2.67	3.00	3.00	3.00	3.00	3.00	2.67	2.67	2.67	2.67	2.67
Indirect Attainment	2.50	2.50	2.50	2.50	3.00	2.75	2.50	2.75	3.00	3.00	2.75	2.75	2.25	2.50	2.50
PO & PSO Attainment	2.63	2.63	2.63	2.63	2.73	2.95	2.90	2.95	3.00	3.00	2.68	2.68	2.58	2.63	2.63

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 2.6

If the overall attainment is greater than 2.6 then attainment status is YES else NO.

The PO & PSO Attainments for the Academic year 2023 -2024 is calculated using the above procedure.

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

PO Attainment

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
EC101	3	3	0	3	0	3	0	3	3	3
EC102	3	3	3	3	3	0	0	0	0	0
EC103	3	3	3	3	0	0	0	3	3	3
EC104	3	3	3	3	0	0	0	0	0	0
EC105	3	3	3	3	3	3	3	3	3	3
EC106	3	3	3	3	3	3	0	3	3	3
EC107	3	3	3	3	3	3	3	3	3	3
EC108	3	3	3	3	3	3	3	3	3	3
EC110	3	3	0	3	0	3	0	3	3	3
EC111	3	3	3	3	3	3	0	0	0	0
EC112	3	3	3	3	3	3	3	3	3	3
EC113	3	3	3	3	3	3	3	0	3	3
EC114	3	3	3	3	3	3	3	3	3	3
EC115	3	3	0	3	3	0	3	0	3	3
EC116	3	3	3	3	3	3	3	3	3	3
EC117	3	3	3	3	3	3	3	3	3	3
EC201	3	3	3	3	3	0	3	0	0	0
EC202	2	2	2	2	0	0	0	0	0	0
EC203	3	3	3	3	3	0	0	0	0	0
EC204	2	2	2	2	2	0	0	0	0	0
EC204	2	2	2	2	2	0	0	0	0	0
EC205	3	3	3	3	3	0	0	0	0	0
EC206	3	3	3	3	3	0	0	0	0	0
EC207	3	3	3	3	3	0	0	0	3	3
EC208	3	3	3	3	3	0	0	0	3	3
EC210	3	3	3	3	3	0	0	0	0	0
EC211	3	3	3	3	3	0	0	0	0	0
EC212	3	3	3	3	0	3	0	0	0	0
EC213	1	1	1	1	1	1	0	0	0	0
EC214	3	3	3	3	3	3	3	3	0	3

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
EC215	3	3	3	3	3	3	3	0	0	0
EC216	3	3	3	3	3	0	3	0	3	3
EC217	3	3	3	3	3	3	0	0	3	3
EC301	3	3	3	3	3	0	0	0	0	0
EC302	2	2	2	2	2	2	0	0	0	0
EC303	3	3	3	3	3	3	0	0	0	0
EC304	3	3	3	3	3	3	3	3	0	0
EC305	2	2	2	2	2	2	2	2	0	0
EC306	3	3	3	3	3	3	0	0	0	0
EC307	3	3	3	3	3	0	0	0	3	3
EC308	3	3	3	3	3	0	0	0	3	3
EC309	3	3	3	3	3	3	3	3	3	3
EC311	3	3	3	3	3	3	0	0	0	0
EC312	3	3	3	3	3	0	0	0	0	0
EC313	3	3	3	3	3	3	3	3	0	0
EC314	3	3	3	3	3	3	3	3	0	0
EC315	3	3	3	3	3	0	0	3	0	0
EC316	3	3	3	3	3	3	3	3	3	3
EC317	3	3	3	3	3	0	0	0	3	3
EC318	3	3	3	3	3	3	3	3	3	3
EC401	3	3	3	3	3	3	3	0	0	0
EC402	3	3	3	3	3	0	0	0	0	0
EC403	3	3	3	3	3	3	3	0	0	0
EC404	3	3	3	3	0	3	3	3	0	0
EC405	3	3	3	3	3	3	3	0	0	0
EC406	3	3	3	3	3	0	0	0	3	3
EC407	3	3	3	3	3	0	0	0	3	3
EC408	3	3	3	3	3	3	3	3	3	3
EC409	3	3	3	3	3	3	3	3	3	3
EC410	3	3	3	3	3	3	3	3	3	3

PO Attainment Indirect

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10

Employer S	2	2	2	2	3	2	3	3	3	3
Alumni Surv	3	3	3	3	3	3	2	3	3	3
Parents Sur	2	2	2	2	3	3	3	3	3	3
Students Ex	3	3	3	3	3	3	2	2	3	3

PO Attainment Level

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO
InDirect Attainment	2.5	2.5	2.5	2.5	3	2.75	2.5	2.75	3	3
Direct Attainment	2.88	2.88	2.88	2.88	2.89	2.89	2.96	2.96	3	3

PSO Attainment

Course	PSO1	PSO2	PSO3
EC101	3	3	3
EC102	3	3	3
EC103	3	3	3
EC104	3	3	3
EC105	3	3	3
EC106	3	3	3
EC107	3	3	3
EC108	3	3	3
EC110	3	3	3
EC111	3	3	3
EC112	3	3	3
EC113	3	3	3
EC114	3	3	3
EC115	3	3	3
EC116	3	3	3
EC117	3	3	3
EC201	3	3	3
EC202	2	2	2
EC203	3	3	3
EC204	2	2	2
EC205	3	3	3
EC206	3	3	3

EC207	3	3	3
EC208	3	3	3
EC210	3	3	3
EC211	3	3	3
EC212	3	3	3
EC213	1	1	1
EC214	3	3	3
EC215	3	3	3
EC216	3	3	3
EC217	3	3	3
EC301	3	3	3
EC302	2	2	2
EC303	3	3	3
EC304	3	3	3
EC305	2	2	2
EC306	3	3	3
EC307	3	3	3
EC308	3	3	3
EC309	3	3	3
EC311	3	3	3
EC312	3	3	3
EC313	3	3	3
EC314	3	3	3
EC315	3	3	3
EC316	3	3	3
EC317	3	3	3
EC318	3	3	3
EC401	3	3	3
EC402	3	3	3
EC403	3	3	3
EC404	3	3	3
EC405	3	3	3
EC406	3	3	3
EC407	3	3	3

EC408	3	3	3
EC409	3	3	3
EC410	3	3	3

PSO Attainment Indirect

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

PSO Attainment Level

Course	PSO1	PSO2
Direct Attainment	2.90	2.90
InDirect Attainment	2.25	2.5

4 STUDENTS' PERFORMANCE (100)

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)	120	120	120	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)	120	120	120	240	240	240	240
Number of students admitted in 2nd year in the same batch via lateral entry (N2)	12	12	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)	132	132	144	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 with Backlog means no compartment or failu		
		I year	II year	
2024-25 (CAY)	132			
2023-24 (CAYm1)	132	75		
2022-23 (CAYm2)	144	105	84	
2021-22 (CAYm3)	264	208	187	1(
2020-21 (LYG)	264	208	198	1!
2019-20 (LYGm1)	264	206	196	1{
2018-19 (LYGm2)	264	201	195	1!

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 w		
		I year	II year	III year
2024-25 (CAY)	132			
2023-24 (CAYm1)	132	85		
2022-23 (CAYm2)	144	118	109	
2021-22 (CAYm3)	264	221	202	186
2020-21 (LYG)	264	220	238	236
2019-20 (LYGm1)	264	223	243	227
2018-19 (LYGm2)	264	225	241	229

4.1 Enrolment Ratio (20)

	N (From Table 4.1)	N1 (From Table 4.1)	Enrollment Ratio [(N1/N)*100]
2024-25 (CAY)	120	120	100.00
2023-24 (CAYm1)	120	120	100.00
2022-23 (CAYm2)	120	120	100.00

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

Assessment :   20.00

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

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

Item	Latest Year of Graduation, LYG (2020-21)	Latest Year of Graduation minus 1, LYGm1 (2019-20)
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
Y Number of students who have graduated without backlogs in the stipulated period	183.00	182.00
Success Index [SI = Y / X]	0.69	0.69

Average SI [(SI1 + SI2 + SI3) / 3] : 0.69

Assessment [15 * Average SI] : 10.35

4.2.2 Sucess rate in stipulated period (5)

Item	Latest Year of Graduation, LYG (2020-21)	Latest Year of Graduation minus 1, LYGm1 (2019-20)
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
Y Number of students who have graduated in the stipulated period	236.00	227.00
Success Index [SI = Y / X]	0.89	0.86

Average SI[(SI1 + SI2 + SI3) / 3]: 0.87

Assessment [5 * Average SI] : 4.37

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)

Academic Performance	CAYm1 (2023-24)	CAYm2 (2022-23)
Mean of CGPA or mean percentage of all successful students(X)	8.29	7.99
Total number of successful students (Y)	109.00	202.00
Total number of students appeared in the examination (Z)	142.00	245.00
API [X * (Y/Z)]	6.36	6.59

Average API [(AP1 + AP2 + AP3)/3] : 6.86

Assessment [AverageAPI] : 6.86

4.4 Placement, Higher Studies and Entrepreneurship (30)

Item	CAYm1(2023-24)	CAYm2(2022-23)
Total No of Final Year Students(N)	236.00	227.00
No of students placed in the companies or goverment sector(X)	202.00	206.00
No of students admitted to higher studies with valid qualifying scores(GATE or equivalent State or National Level tests, GRE, GMAT etc.) (Y)	22.00	9.00
No of students turned enterpreneur in engineering/technology (Z)	0.00	0.00
Placement Index [(X+Y+Z)/N] :	0.95	0.95

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

Assessment [30 * Average Placement] : 27.90

Program Name : ELECTRONICS AND COMMUNICATION ENGINEERING
Assessment Year : 2023-24 (CAYm1)

S.No	Student Name	Enrollment No	Employee Name	Appointment No
1	SHAIK MOHAMMED JAVED	20N31A04K5	ACCENTURE	2/22/2024
2	VEERABHATHINI NIKHIL	20N31A04N5	ACCENTURE	2/22/2024
3	VENNE VIJAY KUMAR	20N31A04P2	ACCENTURE	2/22/2024
4	AKULA GANESH	20N31A0405	COGNIZANT	Letter of Intent/21-06-2024
5	ATINARAPU LOKESH	20N31A0413	COGNIZANT	Letter of Intent/21-06-2024
6	BALEM LINGA SWAMY	20N31A0418	COGNIZANT	Letter of Intent/21-06-2024
7	BATTINI PAVAN GOUD	20N31A0424	COGNIZANT	Letter of Intent/21-06-2024
8	BHOJANNAGARI HARSHAVARDHAN	20N31A0429	COGNIZANT	Letter of Intent/21-06-2024
9	CHAKALI AKASH	20N31A0441	COGNIZANT	Letter of Intent/21-06-2024
10	DONAKONDA DEEKSHA	20N31A0456	COGNIZANT	Letter of Intent/21-06-2024
11	ETTAM HARINANDHAN	20N31A0460	COGNIZANT	Letter of Intent/21-06-2024
12	GONGATI MAN IDEEPAK REDDY	20N31A0476	COGNIZANT	Letter of Intent/21-06-2024
13	GUNDUBOYANA HEMANTH SAI	20N31A0483	COGNIZANT	Letter of Intent/21-06-2024
14	KALVETI KRISHNA	20N31A04A2	COGNIZANT	Letter of Intent/21-06-2024
15	KODAM KARTHIK	20N31A04B3	COGNIZANT	Letter of Intent/21-06-2024
16	KOMMA ROHITH KUMAR	20N31A04B6	COGNIZANT	Letter of Intent/21-06-2024
17	MOTHE RISHITHA	20N31A04E8	COGNIZANT	Letter of Intent/21-06-2024
18	PADIDHELA RAHUL	20N31A04G0	COGNIZANT	Letter of Intent/21-06-2024
19	PANDILLA AKHIL REDDY	20N31A04G4	COGNIZANT	Letter of Intent/21-06-2024
20	SARA SAI KIRAN	20N31A04K1	COGNIZANT	Letter of Intent/21-06-2024
21	SHAIK KHADEER	20N31A04K3	COGNIZANT	Letter of Intent/21-06-2024
22	SHETTY NIHARIKA	20N31A04K8	COGNIZANT	Letter of Intent/21-06-2024
23	TEKU VAMSHI	20N31A04L8	COGNIZANT	Letter of Intent/21-06-2024
24	UPPU SAI MAHESH	20N31A04M3	COGNIZANT	Letter of Intent/21-06-2024
25	VALIVETI NITHIN SAI	20N31A04M8	COGNIZANT	Letter of Intent/21-06-2024
26	VEMIREDDY ANJI REDDY	20N31A04N8	COGNIZANT	Letter of Intent/21-06-2024
27	VOORADI VISHAL	20N31A04P5	COGNIZANT	Letter of Intent/21-06-2024
28	YARAMALA TIRUMALA REDDY	20N31A04P8	COGNIZANT	Letter of Intent/21-06-2024
29	ABC AKHIL	21N35A0401	COGNIZANT	Letter of Intent/21-06-2024
30	BOGIREDDY LOKESH	21N35A0404	COGNIZANT	Letter of Intent/21-06-2024
31	VANGARI DIVYA	21N35A0422	COGNIZANT	Letter of Intent/21-06-2024
32	ACHANALA SPHOORTHY	20N31A0401	GLOBAL LOGIC	Letter of Intent/06-04-2024
33	VOORADI ANVESH	20N31A0409	GLOBAL LOGIC	Letter of Intent/06-04-2024

34	B BHARGAVA CHANDRA	20N31A0415	GLOBAL LOGIC	Letter of Intent/06-04-2024
35	BATHULA MANOJ MAHADEVA	20N31A0422	GLOBAL LOGIC	Letter of Intent/06-04-2024
36	BHASHYAM APARNA	20N31A0426	GLOBAL LOGIC	Letter of Intent/06-04-2024
37	BORRA SAI VIGNESH	20N31A0435	GLOBAL LOGIC	Letter of Intent/06-04-2024
38	BUTTI SRIVASTAVA	20N31A0437	GLOBAL LOGIC	Letter of Intent/06-04-2024
39	D V S KHYATESHWARA REDDY	20N31A0448	GLOBAL LOGIC	Letter of Intent/06-04-2024
40	DOMMATI MANI KUMAR	20N31A0455	GLOBAL LOGIC	Letter of Intent/06-04-2024
41	G SHREYA	20N31A0461	GLOBAL LOGIC	Letter of Intent/06-04-2024
42	GATTUPALLI ABHISHEK	20N31A0471	GLOBAL LOGIC	Letter of Intent/06-04-2024
43	GIRAVENA PAVAN KUMAR	20N31A0473	GLOBAL LOGIC	Letter of Intent/06-04-2024
44	GUDIPATI SATVIKA	20N31A0480	GLOBAL LOGIC	Letter of Intent/06-04-2024
45	INDHUMURI HARISH	20N31A0486	GLOBAL LOGIC	Letter of Intent/06-04-2024
46	JILLELA AJAY KUMAR	20N31A0491	GLOBAL LOGIC	Letter of Intent/06-04-2024
47	JULURU SIDDHARTH GUPTA	20N31A0493	GLOBAL LOGIC	Letter of Intent/06-04-2024
48	K VARA LAKSHMI	20N31A0496	GLOBAL LOGIC	Letter of Intent/06-04-2024
49	ANNAM RUCHITHA REDDY	20N31A0408	PROLIFICS	6/26/2023
50	AVUSHERLA ARUN	20N31A0414	PROLIFICS	6/26/2023
51	BANDI JASWANTH RAGHAVENDRA	20N31A0420	PROLIFICS	6/26/2023
52	BHIMAGANI VAMSHI	20N31A0428	PROLIFICS	6/26/2023
53	C SHIVA RAMA KRISHNA	20N31A0439	PROLIFICS	6/26/2023
54	DHACHA SRAVANI	20N31A0452	PROLIFICS	6/26/2023
55	GANDHASIRI SAI PRANAV	20N31A0465	PROLIFICS	6/26/2023
56	GOLLA THANUSHMA	20N31A0474	PROLIFICS	6/26/2023
57	GUDIPUDI JAYA CHANDRA	20N31A0481	PROLIFICS	6/26/2023
58	KALVA RAJAVARDHAN	20N31A04A1	PROLIFICS	6/26/2023
59	KETHIREDDY YESHWANTH REDDY	20N31A04B2	PROLIFICS	6/26/2023
60	MAILAVARAPU SRI HARI	20N31A04C9	PROLIFICS	6/26/2023
61	MOHAMMAD ASHRAF	20N31A04E6	PROLIFICS	6/26/2023
62	PAGADALA PAVAN TEJA	20N31A04G1	PROLIFICS	6/26/2023
63	PORANDLA ROSHAN SAI	20N31A04H2	PROLIFICS	6/26/2023
64	RATNAM RAMPRASAD	20N31A04J3	PROLIFICS	6/26/2023
65	SAKILAM ADITHYA	20N31A04J7	PROLIFICS	6/26/2023
66	BATTHULA HARIKRISHNA	21N35A0402	PROLIFICS	6/26/2023
67	K JANAKI RAO	21N35A0410	PROLIFICS	6/26/2023

68	MUSTI HARSHA SRI	21N35A0414	PROLIFICS	6/26/2023
69	Angata Pavan Kalyan	20N31A0406	SUTHERLAND	3/19/2024
70	Baddi Vani Pranitha	20N31A0417	SUTHERLAND	3/19/2024
71	Boda Lavanya	20N31A0433	SUTHERLAND	3/19/2024
72	KOMARALA SUPRIYA	20N31A04B5	GLOBAL LOGIC	Letter of Intent/06-04-2024
73	KOTHAKONDA AVINASH	20N31A04C0	GLOBAL LOGIC	Letter of Intent/06-04-2024
74	KOTIPILLI CHARITHA	20N31A04C1	GLOBAL LOGIC	Letter of Intent/06-04-2024
75	KUMMARI DEEPIKA	20N31A04C2	GLOBAL LOGIC	Letter of Intent/06-04-2024
76	LOMADA PRAVEEN	20N31A04C5	GLOBAL LOGIC	Letter of Intent/06-04-2024
77	MADHAGANI ASHWINI	20N31A04C8	GLOBAL LOGIC	Letter of Intent/06-04-2024
78	MARYALA SAKETH	20N31A04D7	GLOBAL LOGIC	Letter of Intent/06-04-2024
79	NAVEEN NARVANENI	20N31A04F7	GLOBAL LOGIC	Letter of Intent/06-04-2024
80	NIHARIKA MANNE	20N31A04F8	GLOBAL LOGIC	Letter of Intent/06-04-2024
81	PALAKOLANU ABIGNA REDDY	20N31A04G3	GLOBAL LOGIC	Letter of Intent/06-04-2024
82	RACHARLA MANIRAJ	20N31A04J0	GLOBAL LOGIC	Letter of Intent/06-04-2024
83	RAYA SRAVANTHI	20N31A04J5	GLOBAL LOGIC	Letter of Intent/06-04-2024
84	SEELAM SIVARAMAKRISHNA REDDY	20N31A04K2	GLOBAL LOGIC	Letter of Intent/06-04-2024
85	SHAKE VENU	20N31A04K7	GLOBAL LOGIC	Letter of Intent/06-04-2024
86	T K ANJALI	20N31A04L5	GLOBAL LOGIC	Letter of Intent/06-04-2024
87	THALLAPALLY SHIVA KUMAR	20N31A04L9	GLOBAL LOGIC	Letter of Intent/06-04-2024
88	VANAM SAI NANDU	20N31A04N0	GLOBAL LOGIC	Letter of Intent/06-04-2024
89	VEERAIAHGARI ANIL REDDY	20N31A04N6	GLOBAL LOGIC	Letter of Intent/06-04-2024
90	VEMIREDDY PRASHANTH REDDY	20N31A04N9	GLOBAL LOGIC	Letter of Intent/06-04-2024
91	VENNAPUREDDY BHARGAV REDDY	20N31A04P1	GLOBAL LOGIC	Letter of Intent/06-04-2024
92	VENUTURLA AKHILESH REDDY	20N31A04P3	GLOBAL LOGIC	Letter of Intent/06-04-2024
93	YADLA SHIVA SHANKAR REDDY	20N31A04P7	GLOBAL LOGIC	Letter of Intent/06-04-2024
94	SARGAM RITESH	21N35A0419	GLOBAL LOGIC	Letter of Intent/06-04-2024
95	SHAIK SHAHADIK	21N35A0421	GLOBAL LOGIC	Letter of Intent/06-04-2024
96	Boyapalli Anil Kumar	20N31A0436	SUTHERLAND	3/19/2024
97	Chaganti Vamshi Krishna	20N31A0440	SUTHERLAND	3/19/2024
98	Chakali Naveen Kumar	20N31A0442	SUTHERLAND	3/19/2024
99	Chekuri Karthik Reddy	20N31A0446	SUTHERLAND	3/19/2024
100	Desaboina Ranjith	20N31A0450	SUTHERLAND	3/19/2024
101	E Ashok	20N31A0459	SUTHERLAND	3/19/2024

102	Gahani Hemanth Sai	20N31A0464	SUTHERLAND	3/19/2024
103	Gandi Aakanksha	20N31A0466	SUTHERLAND	3/19/2024
104	Gondela Satish	20N31A0475	SUTHERLAND	3/19/2024
105	Hazari Sumedh	20N31A0485	SUTHERLAND	3/19/2024
106	Kalacha Sai Praveen	20N31A04A0	SUTHERLAND	3/19/2024
107	Kanchi Nikhitha	20N31A04A3	SUTHERLAND	3/19/2024
108	Kaunder Vinay	20N31A04B1	SUTHERLAND	3/19/2024
109	Konanki Hemanth	20N31A04B7	SUTHERLAND	3/19/2024
110	Kusumaraju Teja	20N31A04C3	SUTHERLAND	3/19/2024
111	Mallepalli Sarath Chandra Reddy	20N31A04D1	SUTHERLAND	3/19/2024
112	Manda Akshaya	20N31A04D3	SUTHERLAND	3/19/2024
113	Mathrasi Poojitha	20N31A04E1	SUTHERLAND	3/19/2024
114	Patlavath Praveen Kumar	20N31A04G5	SUTHERLAND	3/19/2024
115	Pingili Anjan Kumar	20N31A04G8	SUTHERLAND	3/19/2024
116	Pogaku Vamshi Krishna	20N31A04H0	SUTHERLAND	3/19/2024
117	Praveen Kumar Reddy Munagala	20N31A04H3	SUTHERLAND	3/19/2024
118	Rachabanti Ramakrishna	20N31A04H9	SUTHERLAND	3/19/2024
119	Shaik Khaja Babu	20N31A04K4	SUTHERLAND	3/19/2024
120	Siliveru Bhargavi	20N31A04K9	SUTHERLAND	3/19/2024
121	Siripuram Bhavana	20N31A04L0	SUTHERLAND	3/19/2024
122	Vadthya Srikanth	20N31A04M5	SUTHERLAND	3/19/2024
123	Valishetti Venkat Ramana	20N31A04M7	SUTHERLAND	3/19/2024
124	Vedavalli Uday Kiran	20N31A04N4	SUTHERLAND	3/19/2024
125	Beenaboina Navya	21N35A0403	SUTHERLAND	3/19/2024
126	Chidem Anusha	21N35A0405	SUTHERLAND	3/19/2024
127	Koppula Jyothi	21N35A0411	SUTHERLAND	3/19/2024
128	BACHHU RAKSHITHA	20N31A0416	TECH MAHENDRA	2316555/ ELTP-CAMPUS / 2024, 02-
129	JAKKULA SANJAY	20N31A0488	TECH MAHENDRA	994385/2316559/ELTP, 16-06-2024
130	VADLAMUDI NAGA VENKATA SAI PRANAY	20N31A04M4	TECH MAHENDRA	1013651/2316596/ELTP, 30-06-2024
131	KASAM SRAVANTHI	20N31A04A8	LUMEN TECHNOLOGIES	10-01-2024
132	DANDE TRINATH	20N31A0449	GLOBAL LOGIC	Letter of Intent/06-04-2024
133	G SUPRAJA	20N31A0462	GLOBAL LOGIC	Letter of Intent/06-04-2024
134	CHINNAPAGA TARUN	21N35A0406	ACCENTURE	2/22/2024
135	GUNDE NITHISH GOUD	21N35A0409	ACCENTURE	2/22/2024

136	PASPULA JAYANTH	21N35A0415	ACCENTURE	2/22/2024
137	AKKALA INDHU	20N31A0404	ACCENTURE(HACKDIWA)	5/27/2024
138	BATHULA SHEKAR SINDHU	20N31A0423	ACCENTURE(HACKDIWA)	5/27/2024
139	BHUKYA SRAVANI	20N31A0431	ACCENTURE(HACKDIWA)	5/27/2024
140	BYREDDY SRIYA REDDY	20N31A0438	ACCENTURE(HACKDIWA)	5/27/2024
141	CHAKALI SHIRISHA	20N31A0443	ACCENTURE(HACKDIWA)	5/27/2024
142	GUGULOTH SAMYUKTHA	20N31A0482	ACCENTURE(HACKDIWA)	5/27/2024
143	KARIPE DEEPIKA	20N31A04A6	ACCENTURE(HACKDIWA)	5/27/2024
144	KORIPALLI SATHWIKA	0N31A04B9	ACCENTURE(HACKDIWA)	5/27/2024
145	M AKSHAYA	20N31A04C6	ACCENTURE(HACKDIWA)	6/3/2024
146	MALOTH USHA KIRAN	20N31A04D2	ACCENTURE(HACKDIWA)	6/12/2024
147	MANIKONDA RAJITHA	20N31A04D4	ACCENTURE(HACKDIWA)	5/27/2024
148	MASHAM HIMAJA SREE	20N31A04D8	ACCENTURE(HACKDIWA)	5/27/2024
149	MASULA SRIHITHA	20N31A04D9	ACCENTURE(HACKDIWA)	6/5/2024
150	MUDU SRI LAXMI	20N31A04E9	ACCENTURE(HACKDIWA)	5/27/2024
151	MUPPI ROSHINI	20N31A04F0	ACCENTURE(HACKDIWA)	6/7/2024
152	MUSKU PUJA PRAVALIKA	20N31A04F2	ACCENTURE(HACKDIWA)	5/27/2024
153	POLAGANI SWATHI	20N31A04H1	ACCENTURE(HACKDIWA)	5/27/2024
154	R SAI SRUTHI	20N31A04H8	ACCENTURE(HACKDIWA)	6/7/2024
155	SADWIKA SRI BODDUPALLY	20N31A04J6	ACCENTURE(HACKDIWA)	6/10/2024
156	THONUPUNOORI HARSHINI	20N31A04M0	ACCENTURE(HACKDIWA)	5/27/2024
157	VAKADANI BHAAVYA SRI	20N31A04M6	ACCENTURE(HACKDIWA)	5/27/2024
158	VANGAVEETI KAVYA SREE	20N31A04N3	ACCENTURE(HACKDIWA)	5/27/2024
159	SAVASI SHIVANI	21N35A0420	ACCENTURE(HACKDIWA)	5/27/2024
160	YACHARAM VAISHNAVI	21N35A0424	ACCENTURE(HACKDIWA)	5/27/2024
161	ANNALADAS SUBASH CHANDRA BOSE	20N31A0407	CAPGEMINI	Letter of Intent/14-06-2024
162	APPANNA KARTHIK	20N31A0410	CAPGEMINI	Letter of Intent/14-06-2024
163	BEKKAM SURYA PRAVEEN REDDY	20N31A0425	CAPGEMINI	Letter of Intent/14-06-2024
164	BONEPALLY SANIHITH REDDY	20N31A0434	CAPGEMINI	Letter of Intent/14-06-2024
165	DUNDETI ABHILASH REDDY	20N31A0458	CAPGEMINI	Letter of Intent/14-06-2024
166	YERROJU JESWANTH	20N31A0467	CAPGEMINI	Letter of Intent/14-06-2024
167	JUKANTI SRAVAN KUMAR	20N31A0492	CAPGEMINI	Letter of Intent/14-06-2024
168	KADALI BALA SRINIVAS	20N31A0497	CAPGEMINI	Letter of Intent/14-06-2024
169	KATTA SAHITHYA	20N31A04B0	CAPGEMINI	Letter of Intent/14-06-2024

170	KONDETI KARTHIK	20N31A04B8	CAPGEMINI	Letter of Intent/14-06-2024
171	PAIGERI THIMMA REDDY	20N31A04G2	CAPGEMINI	Letter of Intent/14-06-2024
172	PITTALA BHOOMIKA	20N31A04G9	CAPGEMINI	Letter of Intent/14-06-2024
173	SUNKARI SUCHARITHA	20N31A04L3	CAPGEMINI	Letter of Intent/14-06-2024
174	VALUGULA SATHWIK GOUD	20N31A04M9	CAPGEMINI	Letter of Intent/14-06-2024
175	YADAGIRI SUDHA	20N31A04P6	CAPGEMINI	Letter of Intent/14-06-2024
176	YELURI SOWJANYA	20N31A04Q0	CAPGEMINI	Letter of Intent/14-06-2024
177	POTLAPALLY LAHARI	21N35A0416	CAPGEMINI	Letter of Intent/14-06-2024
178	VANGURI KAVITHA	21N35A0423	CAPGEMINI	Letter of Intent/14-06-2024
179	BHEEMOLLA PREETHAM SAI	20N31A0427	ACCENTURE	2/20/2024
180	CHEDIPELLY VIGNESHWAR	20N31A0445	ACCENTURE	2/20/2024
181	CHENAGANI PAVAN KALYAN	20N31A0447	ACCENTURE	2/22/2024
182	DEVARAKONDA CHANDRA SEKHAR	20N31A0451	ACCENTURE	2/22/2024
183	DHARMASOTH LAKSHMAN RAO	20N31A0453	ACCENTURE	2/22/2024
184	J ASHOK	20N31A0487	ACCENTURE	2/22/2024
185	KANTEM CHANDU	20N31A04A4	ACCENTURE	2/22/2024
186	KARRY SWATHI	20N31A04A7	ACCENTURE	2/26/2024
187	MADDIPATI SATYA ASHISH JANARDHAN	20N31A04C7	ACCENTURE	2/22/2024
188	MAKKALA SATHEESH	20N31A04D0	ACCENTURE	2/23/2024
189	MARAM AJAY	20N31A04D5	ACCENTURE	3/3/2024
190	MATHANGI DHEERAJ KUMAR	20N31A04E0	ACCENTURE	2/26/2024
191	MEDIPALLI RAJESH	20N31A04E5	ACCENTURE	2/22/2024
192	MURIKIPUDI SRI DATTA VASU DEV	20N31A04F1	ACCENTURE	2/22/2024
193	MUTHOJU SRIYA	20N31A04F3	ACCENTURE	2/27/2024
194	NAMANA VAISHNAVI	20N31A04F6	ACCENTURE	3/6/2024
195	PENNADA SAIESHWAR	20N31A04G7	ACCENTURE	2/22/2024
196	PURALASETTY SAI KIRAN	20N31A04H5	ACCENTURE	2/26/2024
197	GHANTASALA HEMA SREE	20N31A0472	GLOBAL LOGIC	Letter of Intent/06-04-2024
198	KAPULA SAI TEJA	20N31A04A5	GLOBAL LOGIC	Letter of Intent/06-04-2024
199	SALKAM RAMU	20N31A04J8	SUTHERLAND	3/19/2024
200	GUMMIDULLA HEMA	21N35A0408	SUTHERLAND	3/19/2024
201	P CHANDRA SHEKAR REDDY	20N31A04F9	SUTHERLAND	3/19/2024
202	SOMA PRANEETH KUMAR	20N31A04L1	SUTHERLAND	3/19/2024

Assessment Year : 2022-23 (CAYm2)

S.No	Student Name	Enrollment No	Employee Name	Appointment No
1	POTHIREDDY RAJA SEKHARA REDDY	19N31A04H3	COGNIZANT	Letter of Intent/25
2	BHARGAV SAI PUTNALA	19N31A04H7	COGNIZANT	Letter of Intent/25
3	RAJURI SAI CHARAN	19N31A04J4	COGNIZANT	Letter of Intent/25
4	BANDELA TEJA SATISH	19N31A0424	COGNIZANT	Letter of Intent/25
5	S ANUSURYA	19N31A04J8	COGNIZANT	Letter of Intent/25
6	SAMBU SAI NEHA	19N31A04K3	COGNIZANT	Letter of Intent/25
7	SANDEEP YADAV GORLA	19N31A04K4	COGNIZANT	Letter of Intent/25
8	SALMAN SHAIK	19N31A04K8	COGNIZANT	Letter of Intent/25
9	SINGAM MANJU SREE	19N31A04L1	COGNIZANT	Letter of Intent/25
10	SAIKUMAR SIRISETI	19N31A04L4	COGNIZANT	Letter of Intent/25
11	SHAIK SHIREEN KAUSAR	19N31A04L5	COGNIZANT	Letter of Intent/25
12	SURYA PRABHAT PEDDINTI	19N31A04L8	COGNIZANT	Letter of Intent/25
13	SWAIN PULAK RANJAN	19N31A04L9	COGNIZANT	Letter of Intent/25
14	THAKUR ROHITH SINGH	19N31A04M2	COGNIZANT	Letter of Thakur/25
15	VENKAT SAI DURGA REVANTH YERRAMOTHU	19N31A04N6	COGNIZANT	Letter of Intent/25
16	PUTTA MANASA	19N31A04N8	COGNIZANT	Letter of Intent/25
17	NARRA AKHIL	19N31A04P1	COGNIZANT	Letter of Intent/25
18	ANNAVARAPU POOJITHA	20N35A0401	COGNIZANT	Letter of Intent/25
19	RAMYA GARAPATI	20N35A0406	COGNIZANT	Letter of Intent/25
20	KOPPU GOUTHAM KUMAR	20N35A0408	COGNIZANT	Letter of Intent/25
21	RAMRAYINI LAXMI PAVANI	20N35A0421	COGNIZANT	Letter of Intent/25
22	GUMMADELLI YASHWANTH	19N31A0479	COGNIZANT	Letter of Intent/25
23	A2BADAM RAMANJANEYA REDDY	19N31A04P3	COGNIZANT	Letter of Intent/25
24	KARSHA PRANAVI	19N31A04A4	COGNIZANT	Letter of Intent/25
25	KATYALA HARISH	19N31A04A8	COGNIZANT	Letter of Intent/25
26	MATHAM VINEETH	19N31A04D4	COGNIZANT	Letter of Intent/25
27	SHETTY RISHITHA	19N31A04H8	COGNIZANT	Letter of Intent/25
28	RAVULAPALLI SIVAGOPI	19N31A04J7	COGNIZANT	Letter of Intent/25
29	JADAV MARUTHI	19N31A0488	COGNIZANT	Letter of Intent/25
30	K R S MEGANA	19N31A0493	COGNIZANT	Letter of Intent/25
31	RAJU LANKA	19N31A04C2	COGNIZANT	Letter of Intent/25
32	AILA NIKHIL	19N31A0404	ACCENTURE	Letter of Intent
33	SOUMYA ANASURI	19N31A0410	ACCENTURE	Letter of Intent

34	HARISHCHANDRAREDDY BADINEHAL	19N31A0421	ACCENTURE	Letter of Intent
35	SURYA NAGENDRA CHALAMALA	19N31A0436	ACCENTURE	Letter of Intent
36	CHIMMULA SINDHU	19N31A0441	ACCENTURE	Letter of Intent
37	DEVULAPALLI LAVANYA	19N31A0447	ACCENTURE	Letter of Intent
38	RADHIKA DOSADA	19N31A0452	ACCENTURE	Letter of Intent
39	YERRAGORLA PAVAN KUMAR	19N31A0459	ACCENTURE	Letter of Intent
40	VAMSHIRAJ ENDRAPU	19N31A0461	ACCENTURE	Letter of Intent
41	MANJUNATH REDDY PEDDANAGIREDDY GARI	19N31A0466	ACCENTURE	Letter of Intent
42	GAJARLA MANOJ KUMAR	19N31A0468	ACCENTURE	Letter of Intent
43	KABEER GOLLAPALLI SHAIK	19N31A0476	ACCENTURE	Letter of Intent
44	GUMMIREDDY LOKESHWAR REDDY	19N31A0480	ACCENTURE	Letter of Intent
45	MADHURI MADHURI PAWAR	19N31A0491	ACCENTURE	Letter of Intent
46	MULLURI MOUNA MOUNA SREE	19N31A04H9	ACCENTURE	Letter of Intent
47	NAVYA KONKA	19N31A04B2	ACCENTURE	Letter of Intent
48	LAYSETTI SAI	19N31A04C3	ACCENTURE	Letter of Intent
49	RITHIKA MEKALA	19N31A04C5	ACCENTURE	Letter of Intent
50	PRAJAPATI POOJA KUMARI	19N31A04H5	ACCENTURE	Letter of Intent
51	MEKAPOTHU SRAVANTHI	19N31A04D5	ACCENTURE	Letter of Intent
52	RAGI SHREE SHASHEEWARDHAN	19N31A04J2	ACCENTURE	Letter of Intent
53	RAHUL MUTHYALA	19N31A04J3	ACCENTURE	Letter of Intent
54	THUMMALAPUDI THARUN SAI	19N31A04M4	ACCENTURE	Letter of Intent
55	VANAMA DEVANDRA SAIBABA	19N31A04M9	ACCENTURE	Letter of Intent
56	VISHAL THAPA	19N31A04N2	ACCENTURE	Letter of Intent
57	VUNDRAJAVARAM JONAH EMMANUEL	19N31A04N4	ACCENTURE	Letter of Intent
58	B VAISHNAVI BIJJU VIJAY KUMAR	20N35A0403	ACCENTURE	Letter B Intent
59	KURRA DIVYA	20N35A0410	ACCENTURE	Letter of Intent
60	PUTTA ANUSHA	20N35A0419	ACCENTURE	Letter of Intent
61	RAMGALLA MOUNIKA MOUNIKA	20N35A0420	ACCENTURE	Letter of Intent
62	MAMIDI RAHUL	19N31A04B9	ACCENTURE	Letter of Intent
63	METHARI JESSICA	19N31A04D6	ACCENTURE	Letter of Intent
64	PANDI KAMUTHURAI M	19N31A04G2	ACCENTURE	Letter of Intent
65	ANUPATI SATHWIK REDDY	19N31A0403	ACCENTURE	Letter of Intent
66	ANGADI THARUN KUMAR	19N31A0411	ACCENTURE	Letter of Intent
67	CHAKKA RAKESH KUMAR	19N31A0435	ACCENTURE	Letter of Intent

68	DHARAVATH SARITHA	19N31A0449	ACCENTURE	Letter of Intent
69	GANGADARI AJAY	19N31A0471	ACCENTURE	Letter of Intent
70	MOHAMMAD SOHAIL SIDDIQUI	20N35A0414	ACCENTURE	Letter of Intent
71	MOHD ILIYAS	19N31A04D8	ACCENTURE	Letter of Intent
72	PADDAM SAMPATH	19N31A04F2	ACCENTURE	Letter of Intent
73	SAMBARI VINAY	19N31A04K2	ACCENTURE	Letter of Intent
74	MATUMARI VISHNU SAI GOUD	19N31A04P4	ACCENTURE	Letter of Intent
75	NEERADI CHANDRA SAGAR	19N31A04E6	HCL	8/12/2022
76	KUNCHALA RADHAKRISHNA	19N31A04B7	IBM CODEKNACK	26-12-2022
77	VEDALA JAYANTH	19N31A04N1	IBM CODEKNACK	26-12-2022
78	MANDA SUNNY GOUD	19N31A04C8	PROLIFICS	26-07-2023
79	MUKKISA VANDHANA REDDY	19N31A04E0	PROLIFICS	26-07-2023
80	SHINE SHAFI	19N31A04P5	PROLIFICS	26-07-2023
81	BAMER ANIL	A19N31A0423	PruTech Solutions	F20230009/MAR
82	SAGILI SUDHEER KUMAR REDDY	19N31A04K0	PruTech Solutions	F20230006/MAR
83	DANTHALA KIRAN KUMAR	19N31A0446	TCS NINZA	TCSL/DT2022309
84	PADULLAPARTHI KUSHAL SWARUP	19N31A04F4	TCS NINZA	TCSL/DT2022313
85	VANAM NAGA HARSHITHA	19N31A04M8	TCS NINZA	TCSL/DT2020694
86	M.RITHWIK	20N35A0415	TCS NINZA	TCSL/DT2022313
87	GUNDETI MANASA	19N31A0482	TCS NINZA	TCSL/DT2022313
88	K RAVI TEJA	19N31A0494	TCS NINZA	TCSL/DT2022313
89	PALADUGU MADHURI	19N31A04F6	TCS NINZA	TCSL/DT2022313
90	SADHU MADHAN KUMAR	19N31A04J9	TCS NINZA	TCSL/DT2022313
91	BENJARAM NAVYA	19N31A0429	TECH MAHINDRA	2174318 / ELTP-0
92	BOLLOJU PAVAN KUMAR	19N31A0433	TECH MAHINDRA	2174319 / ELTP-0
93	KARNATI VENKATA CHANDRAMOULIESWAR REDDY	19N31A04A3	TECH MAHINDRA	2174320 / ELTP-0
94	CHINTHALA AKHIL	19N31A0442	TECH MAHINDRA	2174321 / ELTP-0
95	aG HARI KRISHNA	19N31A0463	TECH MAHINDRA	2174322 / ELTP-0
96	KETHAVARAPU VINAY	19N31A04A9	TECH MAHINDRA	a2174323 / ELTP
97	KURMA RAMESH	20N35A0409	TECH MAHINDRA	2174324/ ELTP-C
98	MEDISHEETY NARENDER KUMAR	20N35A0413	TECH MAHINDRA	2174327 / ELTP-0
99	PALLAMKURTHI KANNAYYA SWAMY	19N31A04F8	TECH MAHINDRA	2174325 / ELTP-0
100	PADMA CHANDANA	20N35A0418	TECH MAHINDRA	21743217 / ELTP
101	TEJAWATH DURGA PRASAD	19N31A04M1	TECH MAHINDRA	2174316 / ELTP-0

102	VALLAGI AJAY	19N31A04M7	TECH MAHINDRA	2174326 / ELTP-(
103	ATLA REDDY ARUN KUMAR REDDY	19N31A0419	VALUE MOMENTUM	3/10/2022
104	ELLANKI AARTHI REDDY	19N31A0456	VALUE MOMENTUM	3/10/2022
105	GANGWAR ROHIT REDDY	19N31A0472	VALUE MOMENTUM	3/10/2022
106	NETHAVATH SRIKANTH	19N31A04E8	VALUE MOMENTUM	3/10/2022
107	PATAN HARSHAD	19N31A04G6	VALUE MOMENTUM	3/10/2022
108	ADLURI SAIKRISHNA	19N31A0408	VALUE MOMENTUM	3/10/2022
109	AVANTHIKA GAJWARI	19N31A0469	VALUE MOMENTUM	3/10/2022
110	SUGGALA MANASA	19N31A04L7	VALUE MOMENTUM	3/10/2022
111	BANDARI ARUNKUMAR	20N35A0404	VALUE MOMENTUM	3/10/2022
112	G AKHIL	19N31A0462	VALUE MOMENTUM	3/10/2022
113	GABBETA ANVESH	19N31A0465	VALUE MOMENTUM	3/10/2022
114	SUPRASEN KODIDA	19N31A04B0	css corp	15-05-2023
115	ABIN THOMAS ANTONY	19N31A0405	DELOITTE-DAS	23-12-2022
116	BANTUPALLI NAGA LAKSHMI	19N31A0425	DXC	Letter of Intent/14
117	GOLLA SUMANJALI	19N31A0475	DXC	Letter of Intent/14
118	KAKARLA BHAVANI GOWRI PRASADHINI	19N31A0497	DXC	Letter of Intent/14
119	KASARLA KRUTHI REDDY	19N31A04A5	DXC	Letter of Intent/14
120	VULICHI TEJASWINI	19N31A04B8	DXC	Letter of Intent/14
121	MAMILLAPALLI LAKSHMI HEMANJALI	19N31A04C7	DXC	Letter of Intent/14
122	MANDHA KAVYA	19N31A04C9	DXC	Letter of Intent/14
123	MYGAPU SOWMYA	19N31A04E3	DXC	Letter of Intent/14
124	NIMMA RAMYA	19N31A04E9	DXC	Letter of Intent/14
125	NULA TEJASWINI	19N31A04F0	DXC	Letter of Intent/14
126	RACHANA PASHAM	19N31A04F1	DXC	Letter of Intent/14
127	PANJA LIKHITHA	19N31A04G3	DXC	Letter of Intent/14
128	PASANGULAPATI PRAVALLIKA	19N31A04G5	DXC	Letter of Intent/14
129	THIMMANACHERUVU SINDHU REDDY	19N31A04M3	DXC	Letter of Intent/14
130	VARALA HARSHITHA	19N31A04P6	DXC	Letter of Intent/14
131	CHILUKA AKANKSHA	20N35A0405	DXC	Letter of Intent/14
132	THOOM LAYA	20N35A0426	DXC	Letter of Intent/14
133	BESTA SHIVA KUMAR	19N31A0430	DXC	Letter of Intent/14
134	D.ADITHYA KOWSHIK	19N31A0445	DXC	Letter of Intent/14
135	B MANOJ KUMAR	20N35A0402	DXC	Letter of Intent/14

136	JILLEPALLI NAGASATYA SRINIVAS	19N31A0492	DXC	Letter of Intent/14
137	KATAKAM AMARNATH	19N31A04A6	DXC	Letter of Intent/14
138	KOTHAPETA VENKATA SAI KISHORE	19N31A04B4	DXC	Letter of Intent/14
139	NUNAVATH.ANILNAYAK	20N35A0417	DXC	Letter of Intent/14
140	R.LAKSHMI NARASIMHA NAIDU	19N31A04J1	DXC	Letter of Intent/14
141	SATTU NAVEEN	19N31A04P2	DXC	Letter of Intent/14
142	VENNAMALLA DHEERAJ BABU	20N35A0427	DXC	Letter of Intent/14
143	LEENA ANNEPUREDDY	19N31A0413	COGNIZANT	Letter of Intent/25
144	ANREDDY RISHITHA REDDY REDDY	19N31A0414	COGNIZANT	Letter of Intent/25
145	ANUGU MADHU	19N31A0415	COGNIZANT	Letter of Intent/25
146	BALAJI MALLURU	19N31A0422	COGNIZANT	Letter of Intent/25
147	BATHULA NIKITHA	19N31A0427	COGNIZANT	Letter of Intent/25
148	BATTHULA MANUSHA	19N31A0428	COGNIZANT	Letter of Intent/25
149	CHENNUPATI JAHNAVI	19N31A0439	COGNIZANT	Letter of Intent/25
150	CHINTHALA SRINIVAS	19N31A0443	COGNIZANT	Letter of Intent/25
151	DEWAN DINESH	19N31A0454	COGNIZANT	Letter of Intent/25
152	SAHITHI G	19N31A0464	COGNIZANT	Letter of Intent/25
153	GALIPELLI SAI KRISHNA	19N31A0470	COGNIZANT	Letter of Intent/25
154	GARLAPATI MEGHANA	19N31A0474	COGNIZANT	Letter of Intent/25
155	GOTTUMUKKULA LAKSHMI BHAVANI	19N31A0477	COGNIZANT	Letter of Intent/25
156	GUNDA YESHWANTH	19N31A0483	COGNIZANT	Letter of Intent/25
157	JANGILI SHIVANI	19N31A0489	COGNIZANT	Letter of Intent/25
158	K SHREYA	19N31A0495	COGNIZANT	Letter of Intent/25
159	RAHUL KANTE	19N31A04A1	COGNIZANT	Letter of Intent/25
160	KATARI DIVYA BHANU	19N31A04A7	COGNIZANT	Letter of Intent/25
161	KURAPATI PURANDESWAR RAJU	19N31A04C0	COGNIZANT	Letter of Intent/25
162	CHANDANA KUNKUDUPALA	19N31A04C1	COGNIZANT	Letter of Intent/25
163	M MANIKANTA NITHIN	19N31A04C4	COGNIZANT	Letter of Intent/25
164	BHAVANA MADDINENI	19N31A04C6	COGNIZANT	Letter of Intent/25
165	MANDLEM VEERA NAGA SAI SATHYADEEP	19N31A04D0	COGNIZANT	Letter of Intent/25
166	MARIPEDDI PRUTHVIKA REDDY	19N31A04D3	COGNIZANT	Letter of Intent/25
167	MUCHENTHULA MADHUNIKAR REDDY	19N31A04D9	COGNIZANT	Letter of Intent/25
168	MAHESH BABU PALLAPU	19N31A04F9	COGNIZANT	Letter of Intent/25
169	PEDDIREDDY HIMAVANTH REDDY	19N31A04G9	COGNIZANT	Letter of Intent/25

170	POLU KAMAL SAI	19N31A04H1	COGNIZANT	Letter of Intent/25
171	GUNDEKARLA GANESH	19N31A0481	VALUE MOMENTUM	3/10/2022
172	KOMMU SAI RAM	19N31A0496	VALUE MOMENTUM	3/10/2022
173	KARAM SRINIVAS	19N31A04A2	VALUE MOMENTUM	3/10/2022
174	KUCHANA JAHNAVI	19N31A04B5	VALUE MOMENTUM	3/10/2022
175	VADDI BHARGAV	19N31A04M5	VALUE MOMENTUM	3/10/2022
176	A.MALLIKA	19N31A0401	VALUE MOMENTUM	3/10/2022
177	CH.SARITHA	19N31A0434	VALUE MOMENTUM	3/10/2022
178	RAKESH CHOWDHARY	19N31A0458	VALUE MOMENTUM	3/10/2022
179	HANUMANTHU MEGHA SHYAM DORA	19N31A0484	VALUE MOMENTUM	3/10/2022
180	V S RAMA PAVAN KUMAR	19N31A04N3	VALUE MOMENTUM	3/10/2022
181	SINGANI RAHUL	19N31A04L2	VALUE MOMENTUM	3/10/2022
182	BARGHAVI MANNETI	19N31A04D2	VALUE MOMENTUM	3/10/2022
183	KASTURI GAYATRI	19N31A04P7	VALUE MOMENTUM	3/10/2022
184	NARMETA PRAVEEN	20N35A0416	VALUE MOMENTUM	3/10/2022
185	VANAMA SAI CHANDRA	19N31A0457	VALUE MOMENTUM	3/10/2022
186	KAKARLA SUNIL KUMAR	19N31A0498	VALUE MOMENTUM	3/10/2022
187	KAMUNI SANTHOSH	19N31A0499	VALUE MOMENTUM	3/10/2022
188	MOHAMMAD SOHAIL	19N31A04D7	VALUE MOMENTUM	3/10/2022
189	NALLA SANDEEP	19N31A04E5	VALUE MOMENTUM	3/10/2022
190	PALEPU GOPISHWAR SHARMA	19N31A04F7	VALUE MOMENTUM	3/10/2022
191	POLNENI RAHUL SAI	19N31A04H0	VALUE MOMENTUM	3/10/2022
192	POTNURI SATYA NARAYANA	19N31A04H4	VALUE MOMENTUM	3/10/2022
193	SOURAM SANDEEP	19N31A04L6	VALUE MOMENTUM	3/10/2022
194	ABHISHEK PAUL	19N31A0407	VALUE MOMENTUM	3/10/2022
195	ARRAM VAMSHI KRISHNA REDDY	19N31A0417	VALUE MOMENTUM	3/10/2022
196	CHINTHIREDDY PRASHANTH REDDY	19N31A0444	VALUE MOMENTUM	3/10/2022
197	DURGAMMAKADI AAKANKSHA	19N31A0453	VALUE MOMENTUM	3/10/2022
198	KOKKONDA VEERA VASANTH	20N35A0407	VALUE MOMENTUM	3/10/2022
199	GARE MANOJ KUMAR	19N31A0473	VALUE MOMENTUM	3/10/2022
200	KANDHOLLA MANIKANTA SAI	19N31A04A0	VALUE MOMENTUM	3/10/2022
201	MANDUMULA SHIVA SAI	20N35A0412	VALUE MOMENTUM	3/10/2022
202	MUTHYALA KAVERI	19N31A04E1	VALUE MOMENTUM	3/10/2022
203	SHAIK ABDUL REHAMAN	19N31A04K5	VALUE MOMENTUM	3/10/2022

204	VANAPALLI MADAN MOHAN	19N31A04N0	SUTHERLAND	20/12/2022
205	INDURI NITHISH	19N31A0487	SUTHERLAND	20/12/2022
206	AAVULA USHA	19N31A04L0	SUTHERLAND	20/12/2022

Assessment Year : 2021-22 (CAYm3)

S.No	Student Name	Enrollment No	Employee Name	Appointment No
1	Santhosh	18N31A0456	HCL	15-08-2022
2	KARING LAHARIKA	18N31A04A6	HCL	15-08-2022
3	KOTHAPALLI ARUN BABU	18N31A04B6	HCL	15-08-2022
4	KOTTU ABHISHEK VENKATA SAI	18N31A04B8	HCL	15-08-2022
5	Kovuri Srivally	18N31A04B9	HCL	15-08-2022
6	M DHANUSH	18N31A04C5	HCL	15-08-2022
7	Mangali Kalpana	18N31A04D2	HCL	15-08-2022
8	Matoori Akhila	18N31A04D8	HCL	15-08-2022
9	Modali Pujitha	18N31A04E1	HCL	15-08-2022
10	Anugna Modem	18N31A04E2	HCL	15-08-2022
11	MUNNUR VISHNUVARDHAN	18N31A04E6	HCL	15-08-2022
12	Naradasu Prathima	18N31A04F7	HCL	15-08-2022
13	Srividya Palakodeti	18N31A04H1	HCL	15-08-2022
14	PILLUTLA OJASVI PRIYANKA	18N31A04J0	HCL	15-08-2022
15	POLAMRAJU VENKATA NAGA SAI REVATHI	18N31A04J2	HCL	15-08-2022
16	PRODDHUTURI PRASHANTH	18N31A04J3	HCL	15-08-2022
17	RAVURI GREESHMA	18N31A04K2	HCL	15-08-2022
18	Shaik Chinna Saheb	18N31A04L0	HCL	15-08-2022
19	SHAMA YASMEEN	18N31A04L3	HCL	15-08-2022
20	SIRIKONDA VENKATA SAI PRANEETH	18N31A04L6	HCL	15-08-2022
21	ANUSHA THALLAPALLY	18N31A04M4	HCL	15-08-2022
22	T. Neha Reddy	18N31A04M5	HCL	15-08-2022
23	T.Praneetha Rao	18N31A04N0	HCL	15-08-2022
24	VADDEMAKKALA VENKATA SHIVA PRASAD RAJU	18N31A04N3	HCL	15-08-2022
25	Yarraboina Sai Tharun	18N31A04P8	HCL	15-08-2022
26	BAIRI PRAMOD	19N35A0401	HCL	15-08-2022
27	GANAPAVARAPU JAGADISH BABU	19N35A0405	HCL	15-08-2022
28	Malkajgiri Swathi	19N35A0414	HCL	15-08-2022
29	Atithi Singh	18N31A0410	IBM	22-11-2021
30	J Apoorva	18N31A0485	IBM	22-11-2021
31	KANDOJIGARI KEERTHANA	18N31A0499	IBM	22-11-2021
32	L.srivaishnavi	18N31A04C3	LUMEN TECHNOLOGIES	1/7/2022
33	Kothapally Navya Sri	18N31A04B7	MEDIAMINT	7/2/2022

34	nomulapranathi	18N31A04G3	MEDIAMINT	7/2/2022
35	shubhada narayan pimple	18N31A04L4	MEDIAMINT	7/2/2022
36	Pottabathula Vinay Rahul	19N35A0420	MEDIAMINT	7/2/2022
37	Veerla Shruthi Sri	19N35A0424	MEDIAMINT	7/2/2022
38	Bedudhuri Likhith Kumar Reddy	18N31A0423	MODAK ANALYTICS	23-11-2021
39	Bhukya santhosh	18N31A0430	NTT DATA	12/2/2022
40	Burra Eshwar	18N31A0434	NTT DATA	12/2/2022
41	Eda Sai Nitish	18N31A0465	NTT DATA	12/2/2022
42	GUMMADI SRIKANTH	18N31A0478	NTT DATA	12/2/2022
43	KANUGU SAITEJA	18N31A04A4	NTT DATA	12/2/2022
44	O.Durga prasad	18N31A04G8	NTT DATA	12/2/2022
45	Harshitha Racharla	18N31A0482	QUEST GLOBAL	Ref. No.: QC20220123
46	akash akula	18N31A0402	SUTHERLAND	7/2/2022
47	Dondapati Eshwar Reddy	18N31A0462	SUTHERLAND	7/2/2022
48	Vootkuri Anvesha	18N31A04P3	SUTHERLAND	7/2/2022
49	BODDULA LEELA BHAVANI	18N31A0433	TCS	TCSL/DT20206944785/Hyderaba
50	CHAVALI SATYA PRUDVI RAJ	18N31A0444	TCS	TCSL/DT20218183245/Hyderaba
51	Dokku Revanth Gangadhar	18N31A0459	TCS	TCSL/DT20206943679/Hyderaba
52	Sirisha Domala	18N31A0460	TCS	TCSL/DT20218186423/Hyderaba
53	GATLA HRUSHIKESH	18N31A0472	TCS	TCSL/DT20218181387/Hyderaba
54	Gururaj Deshpande	18N31A0480	TCS	TCSL/DT20218181814/Hyderaba
55	H.Varsha	18N31A0481	TCS	TCSL/DT20206858804/Hyderaba
56	Kareti Harika Lakshmi	18N31A04A5	TCS	TCSL/DT20218178654/Hyderaba
57	Kolli Gnana Jayanth Reddy	18N31A04B3	TCS	TCSL/DT20218185634/Hyderaba
58	KONKA RAJKUMAR	18N31A04B4	TCS	TCSL/DT20206914780/Hyderaba
59	Nikhitha Madlapally	18N31A04C7	TCS	TCSL/DT20218156845/Hyderaba
60	Mandha Bharath Kumar	18N31A04D0	TCS	TCSL/DT20218178267/Hyderaba
61	Praneeth Kumar Masula	18N31A04D6	TCS	TCSL/DT20218187142/Hyderaba
62	Padigela Swapnith	18N31A04H0	TCS	TCSL/DT20218002491/Hyderaba
63	singithamvishal	18N31A04L5	TCS	TCSL/DT20206907683/Hyderaba
64	Uddanti sai hema	19N35A0423	TCS	TCSL/DT20218186573/Hyderaba
65	V.R.S Madhumitha	18N31A04N6	TECH MAHINDRA	2018687/ ELTP- CAMPUS/ 2022
66	Yalala Sandeep	18N31A04P6	TECH MAHINDRA	2018687/ ELTP- CAMPUS/ 2022
67	NIDIMAMIDI.SAI KUMAR	18N31A04G2	VIRTUSA	21-01-2022

68	O.Ruchitha	18N31A04G6	VIRTUSA	21-01-2022
69	PARIGE GOUTHAM REDDY	18N31A04H4	VIRTUSA	21-01-2022
70	Narla Manicharan	18N31A04F8	VISTEX	HYDSDCH2022001
71	Aithagoni Mounika	18N31A0401	WIPRO	11/2/2022
72	Manohar Anaganti	18N31A0404	WIPRO	11/2/2022
73	Swarna Lekha B	18N31A0412	WIPRO	11/2/2022
74	Baladari Jyothi Pavan Sankar Das	18N31A0413	WIPRO	11/2/2022
75	Bejugam Niharika	18N31A0425	WIPRO	11/2/2022
76	Bhattaram V S S Varshith	18N31A0429	WIPRO	11/2/2022
77	C SARATH KUMAR REDDY	18N31A0436	WIPRO	11/2/2022
78	Chilpuri Sainath Reddy	18N31A0446	WIPRO	11/2/2022
79	Kalyan Akula	18N31A0403	ACCENTURE	Letter of Intent
80	ANNEM PRATHIBHA	18N31A0407	ACCENTURE	Letter of Intent
81	Anirudh Reddy Kasarla	18N31A04A8	ACCENTURE	Letter of Intent
82	B Nikhil Raj	18N31A0411	ACCENTURE	Letter of Intent
83	Anusha Bareddy	18N31A0420	ACCENTURE	Letter of Intent
84	Barla.Medhini	18N31A0421	ACCENTURE	Letter of Intent
85	Chalamalla Shivadhar Reddy	18N31A0440	ACCENTURE	Letter of Intent
86	CHINTHA SRINIVAS	18N31A0448	ACCENTURE	Letter of Intent
87	naveena chinthakunta	18N31A0449	ACCENTURE	Letter of Intent
88	Cherukuri sai chandana	18N31A0451	ACCENTURE	Letter of Intent
89	DONTHI RAHUL	18N31A0463	ACCENTURE	Letter of Intent
90	Gowrraju Vinay Kumar	18N31A0476	ACCENTURE	Letter of Intent
91	Himabindu Pulijala	18N31A0483	ACCENTURE	Letter of Intent
92	KAMMARI SAI VISHAL	18N31A0498	ACCENTURE	Letter of Intent
93	Kandoori Bilva Akshitha	18N31A04A0	ACCENTURE	Letter of Intent
94	Chaulapalli Padma Malika	18N31A04A2	ACCENTURE	Letter of Intent
95	Khammampati Surendra	18N31A04B1	ACCENTURE	Letter of Intent
96	Kolanu sravan kumar	18N31A04B2	ACCENTURE	Letter of Intent
97	Mangishetti akhil	18N31A04D3	ACCENTURE	Letter of Intent
98	Mutyala Uma	18N31A04E7	ACCENTURE	Letter of Intent
99	Raghuram Santhoshi	18N31A04J7	ACCENTURE	Letter of Intent
100	Rukmini Kavadi	18N31A04K4	ACCENTURE	Letter of Intent
101	sreenadh Tanneeru	18N31A04M1	ACCENTURE	Letter of Intent

102	VALABOJU PHANI VAISHNAVI	18N31A04N4	ACCENTURE	Letter of Intent
103	Venepalli Suma Bhavana	18N31A04P1	ACCENTURE	Letter of Intent
104	Boredha Samatha	19N35A0403	ACCENTURE	Letter of Intent
105	Ananthula Sai Nithin Kumar	18N31A0405	CAPGEMINI	Letter of Intent
106	Venkat Sai Bandike	18N31A0415	CAPGEMINI	Letter of Intent
107	BANDREDDI SIRIVANTH SAI	18N31A0416	CAPGEMINI	Letter of Intent
108	B Kavya Gayathri Reddy	18N31A0427	CAPGEMINI	Letter of Intent
109	CHAKILAM SHIVA SAI	18N31A0438	CAPGEMINI	Letter of Intent
110	Chandrakanti Murali Krishna	18N31A0442	CAPGEMINI	Letter of Intent
111	Venkata Sai Esampalli	18N31A0466	CAPGEMINI	Letter of Intent
112	Jukanti Karthik Reddy	18N31A0489	CAPGEMINI	Letter of Intent
113	K KIRAN	18N31A0490	CAPGEMINI	Letter of Intent
114	K.Saicharan Reddy	18N31A0491	CAPGEMINI	Letter of Intent
115	Sandhya keerthigari	18N31A04B0	CAPGEMINI	Letter of Intent
116	NALLAGONDA GOPI CHAND	18N31A04F2	CAPGEMINI	Letter of Intent
117	REDDYGARI MADHURI	18N31A04K3	CAPGEMINI	Letter of Intent
118	TELLAKULA SAI KUMAR	18N31A04M2	CAPGEMINI	Letter of Intent
119	Varaganti Vanshika	18N31A04N9	CAPGEMINI	Letter of Intent
120	Vikram Reddy Yarapathi Reddy	18N31A04P7	CAPGEMINI	Letter of Intent
121	Sudarshan Kataru	19N35A0408	CAPGEMINI	Letter of Intent
122	Vaishnavi BaluReddy	18N31A0414	COGNIZANT	1/2/2022
123	Boddula Kiran Kumar	18N31A0432	COGNIZANT	7/1/2022
124	Chakpalli srivishnu	18N31A0439	COGNIZANT	29-01-2022
125	CHIRUMAMILLA MAHESH GOPI	18N31A0450	COGNIZANT	7/1/2022
126	Dande Uma Kanth	18N31A0452	COGNIZANT	18-01-2022
127	arun dara	18N31A0454	COGNIZANT	7/1/2022
128	Sathvika divvela	18N31A0458	COGNIZANT	7/1/2022
129	Gopu Ramya	18N31A0475	COGNIZANT	7/1/2022
130	Jonnalagadda Phani Mahesh	18N31A0487	COGNIZANT	7/1/2022
131	Joshna Reddy Addulamale	18N31A0488	COGNIZANT	7/1/2022
132	KABOTHU MAHESH BABU	18N31A0493	COGNIZANT	7/1/2022
133	KANTHI NAVEEN	18N31A04A3	COGNIZANT	7/1/2022
134	Kurisheti Manoj	18N31A04C1	COGNIZANT	7/1/2022
135	Giri venkateshwara reddy masireddy	18N31A04C4	COGNIZANT	7/1/2022

136	MANGA RISHIK SHIVA SAI GOUD	18N31A04D1	COGNIZANT	29-01-2022
137	Tharun Mekapothula	18N31A04E0	COGNIZANT	7/1/2022
138	Nandyala Gayathri	18N31A04F6	COGNIZANT	7/1/2022
139	Puli Tejaswini	18N31A04J4	COGNIZANT	7/1/2022
140	Jaffer Ali Shaik	18N31A04L1	COGNIZANT	7/1/2022
141	Boda Reshma Rani	19N35A0402	COGNIZANT	7/1/2022
142	MD Ilyaz Ahmed	19N35A0416	COGNIZANT	7/1/2022
143	NADIMINTI VINAY	18N31A04F0	DE Shaw	20-01-2022
144	Bayapureddy venkata konda reddy	18N31A0422	EPAM	1/2/2022
145	B.srikar	18N31A0435	HCL	15-08-2022
146	KAVYA DACHARAM	18N31A0453	WIPRO	11/2/2022
147	Kavitha gooni	18N31A0473	WIPRO	11/2/2022
148	GOPIREDDY THARUNREDDY	18N31A0474	WIPRO	11/2/2022
149	Guguloth mounika	18N31A0477	WIPRO	11/2/2022
150	Kamabathula Ajay Sanjeeth	18N31A0495	WIPRO	11/2/2022
151	KAMATHAM THANUJA	18N31A0496	WIPRO	11/2/2022
152	K GOUTHAM REDDY	18N31A04A9	WIPRO	11/2/2022
153	Samyuktha kotagiri	18N31A04B5	WIPRO	11/2/2022
154	MATALA DHARMA TEJA SAI	18N31A04D7	WIPRO	11/2/2022
155	MORTHALA KRANTHI KUMAR REDDY	18N31A04E5	WIPRO	11/2/2022
156	Rohit Nallandhigal	18N31A04F4	WIPRO	11/2/2022
157	Nandhini Vuppu	18N31A04F5	WIPRO	11/2/2022
158	Soumya Nune	18N31A04G4	WIPRO	11/2/2022
159	Palde Anji Vardhan Reddy	18N31A04H2	WIPRO	11/2/2022
160	Vikas Reddy Putta	18N31A04J5	WIPRO	11/2/2022
161	Putti Akshay	18N31A04J6	WIPRO	11/2/2022
162	Rajulapudi Ramya Goud	18N31A04J8	WIPRO	11/2/2022
163	Lohith kumar rajuri	18N31A04J9	WIPRO	11/2/2022
164	Ankit Ashok Hegde	18N31A04K7	WIPRO	11/2/2022
165	Likith Kumar Dundigalla	18N31A04K6	WIPRO	11/2/2022
166	Shaik Tingiri Mahammad Kalam	18N31A04L2	WIPRO	11/2/2022
167	SRIYA APPALABHOTLA	18N31A04L7	WIPRO	11/2/2022
168	Thota Swamy	18N31A04M6	WIPRO	11/2/2022
169	Sunil Reddy Thummala	18N31A04M7	WIPRO	11/2/2022

170	Vallabhajoshula krishna chaitanya	18N31A04N2	WIPRO	11/2/2022
171	Bhargav Ram Veeravajjula	18N31A04P0	WIPRO	11/2/2022
172	Lakshmi Vinay Vupparapally	18N31A04P4	WIPRO	11/2/2022
173	Adarsh Yakkali	18N31A04P5	WIPRO	11/2/2022
174	Koduru Nandini	19N35A0410	WIPRO	11/2/2022
175	Pavan Kalyan Mekala	19N35A0417	WIPRO	11/2/2022
176	RAVI VIGNESH IYER	19N35A0421	WIPRO	11/2/2022
177	Karthik Suryapeta	19N35A0422	WIPRO	11/2/2022
178	vanga Lokesh Reddy	18N31A04N7	NTT DATA	12/2/2022

4.5 Professional Activities (20)

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

Professional Activities (2024-25)

Professional societies / chapters and organizing engineering events (5)

Institute of Electrical and Electronics Engineers

IEEE is the worlds largest professional association dedicated to advancing technological innovation and excellence for the benefit of humanity. IEEE and its members inspire a global community through IEEEs highly cited publications, conferences, professional and educational activities. IEEE, pronounced "Eye-triple-E," stands for the Institute of Electrical and Electronics Engineers. The association is chartered under this name and it isthe full legal name.

IEEE MRCET STUDENT BRANCH

STUDENT BRANCH NO: STB05801

The IEEE student branch officially started in 2015 as IEEE MRCET Student Branch. The Institute of Electrical and Electronics Engineers (IEEE) helps advance global prosperity by promoting the engineering process of creating, developing, int knowledge about electrical and information technologies and sciences for the benefit of humanity and the profession. The main perspective of IEEE student branch at MRCET is to make the students aware of various facilities and student deve IEEE. Here at MRCET, we encourage the networking of undergraduate and postgraduate students with industry and academics.

Resurgence of the IEEE MRCET Student Branch

The IEEE MRCET Student Branch which was dormant for long saw a new light with the appointment of the newly elected Executive Committee in January 2015. The Executive Committee has since then swung into complete action and ener Student Branch with several technical, non-technical events apart from the IEEE Student Branch Administrative activities. The dedicated efforts and commitment from the Executive Committee and the Student Branch members has brought a new The IEEE MRCET Student Branch has walked a long way towards attainment of its purpose and has lived up to its objectives this year. Thanks to the excellent response from the students and faculty of different departments, MRCET's ECE Depart time for IEEE Student Branch Activities to give all students, irrespective of their membership the opportunity of discovering the best engineer they can be and the best work they can do. The MRCET SB's goal remains to empower the technoc develop their talent and equip budding engineers with the necessary skills, experience, exposure, leadership, knowledge and entrepreneurship. This year the MRCET IEEE SB has successfully conducted over 60 events including 20+ technical ev and nearly 25 IEEE SB Executive Committee's Administrative activities. The IEEE Student Branch at MRCET has inspired Innovation, Creativity and Motivation, thus has influenced the life of many students this year. With the same motto and with SB hopes to bring in even more students with many more activities into its ambit in 2019. The Student Branch hopes to become an active member in the IEEE Hyderabad Section and also in the IEEE R10. The MRCET IEEE Student Branch has a the nodal center for IEEE activities/events and a good example for Student Branches across South Asia. With this perseverance we hereby put forward the activities and events conducted by the IEEE MRCET SB for the last three academic years i & 2024-25.

FACULTY ADVISORS

S.NO	NAME OF THE FACULTY	DESIGNATION	IEEE MEMBERSHIP
1	Dr. VSK Reddy	Director	90361410
2	Prof. P Sanjeeva Reddy	Senior Professor	90753599
3	Dr. S. Srinivasa Rao	Principal	92932745

EXECUTIVE COMMITTEE

DESIGNATION	NAME OFTHE STUDENT	Reg. No
Chair	VEGESINA JAI PRAKASH	22N31A04C3
Vice-Chair	POOSALA SINDHU	23N35A0412
Secretary	THIPPANI KAVYA	23N35A0413
Treasurer	MD NASREEN	23N35A0408
Executive Officer-Elected	PAGADALA.VINOD	22N31A04C6
Executive Members	PATIL SAIKIRAN	22N31A0496
	PUTTA RAKESH	22N31A04A1
Branch Counselor	Dr S Srinivasa Rao	IEEENo: 92932745

INSTITUTION OF ELECTRONICS & TELECOMMUNICATIONS ENGINEERS

The Institution of Electronics and Telecommunication Engineers (IETE) is Indias leading recognized professional society devoted to the advancement of Science and Technology of Electronics, Telecommunication & IT. Founded in 1953, it serv through various centers, whose number is 65, spread all over India and abroad. The Institution provides leadership in Scientific and Technical areas of direct importance to the national development and economy. Government of India has recog Industrial Research Organization (SIRO) and also notified as an educational Institution of national eminence. The objectives of IETE focus on advancing electro-technology.

IETE Student Chapter

The IETE student chapter at MRCET was established in the year 2009. The IETE conducts and sponsors technical meetings, conferences, symposia, and exhibitions all over India, publishes technical journals and provides continuing education opportunities to its members.

FACULTY ADVISORS

S.No	Name of the Faculty	Designation
1	Dr. VSK Reddy	Director
2	Dr. S Srinivasa Rao	Principal
3	Dr. K Mallikarjuna Lingam	HoD - ECE

IETE Students Forum

STUDENT OFFICE BEARERS

S.No	Designation	Name of the Student	Reg.No
1	President	TUMMALA INDU	22N31A04B8
2	Vice-President	V. PAVAN	22N31A04B9
3	Secretary	PENALA SAICHARAN	22N31A0498
4	Joint Secretary	PIDAMARTHI THARSHITH	22N31A0499
5	Treasurer	V. PAVAN	22N31A04B9
6	Executive Member-Elect	VERPULA PARAMESH	22N31A04C4
7	Executive Members	PAMURI GURU TEJA	22N31A0494
		KOTHA TEJA	22N31A0468
8	Branch Mentor	Mr K Mallikarjuna Lingam	IETE No: AM13072

DEPARMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

AUG 2, 2024: SEMINAR ON CHALLENGES INTO OPPORTUNITIES

DEPARMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

AUG 7 -8, 2024: INDUSTRIAL VISIT

DEPARMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

SEPT 20 – 21, 2024: MACHINE LEARNING WORKSHOP

DEPARMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

OCT 14 – 16, 2024:

STUDENT DEVELOPMENT PROGRAM ON ADVANCED PYTHON PROGRAMMING

DEPARMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

SEPT 22, 2024: READERS MADE EASY PROGRAMME

========================

Professional Activities (2023 - 2024)

Professional societies/chapters and organizing engineering events (5)

Institute of Electrical and Electronics Engineers

IEEE is the worlds largest professional association dedicated to advancing technological innovation and excellence for the benefit of humanity. IEEE andits members inspire a global community through IEEEs highly cited publications, conferences, te professional and educational activities. IEEE, pronounced "Eye-triple-E," stands for the Institute of Electrical and Electronics Engineers. The association is chartered under this nameand it isthe full legal name.

IEEE MRCET STUDENT BRANCH

STUDENT BRANCH NO: STB05801

The IEEE student branch officially started in 2015 as IEEE MRCET Student Branch. The Institute of Electrical and Electronics Engineers (IEEE) helps advance global prosperity by promoting the engineering process of creating, developing, int knowledge about electrical and information technologies and sciences for the benefit of humanity and the profession. The main perspective of IEEE student branch at MRCET is to make the students aware of various facilities and student deve IEEE. Here at MRCET, we encourage the networking of undergraduate and postgraduate students with industry and academics.

Resurgence of the IEEE MRCET Student Branch

The IEEE MRCET Student Branch which was dormant for long saw a new light with the appointment of the newly elected Executive Committee in January 2015. The Executive Committee has since then swung into complete action and ener Student Branch with several technical, non-technical events apart from the IEEE Student Branch Administrative activities. The dedicated efforts and commitment from the Executive Committee and the Student Branch members has brought a new The IEEE MRCET Student Branch has walked a long way towards attainment of its purpose and has lived up to its objectives this year. Thanks to the excellent response from the students and faculty of different departments, MRCET's ECE Depart time for IEEE

Student Branch Activities to give all students, irrespective of their membership the opportunity of discovering the best engineer they can be and the best work they can do. The MRCET SB's goal remains to empower the technocrats with great opp and equip budding engineers with the necessary skills, experience, exposure, leadership, knowledge and entrepreneurship. This year the MRCET IEEE SB has successfully conducted over 60 events including 20+ technical events, 15+ non-techn SB Executive Committee's Administrative activities. The IEEE Student Branch at MRCET has inspired Innovation, Creativity and Motivation, thus has influenced the life of many students this year. With the same motto and with extra vigor, the IEE even more students with many more activities into its ambit in 2021 on-words. The Student Branch hopes to become an active member in the IEEE Hyderabad Section and also in the IEEE R10. The MRCET IEEE Student Branch has a vision ar center for IEEE activities/events and a good example for Student Branches across South Asia. With this perseverance we hereby put forward the activities and events conducted by the IEEE MRCET SB for the last three academic years i.e.,2021 25.

FACULTY ADVISORS

S.NO	NAME OFTHE FACULTY	DESIGNATION	IEEEMEMBERSHIP
1	Dr VSK Reddy	Principal	90361410
2	Prof. P Sanjeeva Reddy	Director	90753599
3	Dr. S.Srinivasa Rao	HOD	92932745

EXECUTIVE COMMITTEE

S.No	Designation	Nameof the Student	Reg.No
1	President	Geedi. Sairam	21N31A0476
2	Vice-President	Paladugu Madhu	21N31A04G4
3	Secretary	D Karthik	21N31A0457
4	Joint Secretary	Tudum Shiva	21N31A04P4
5	Treasurer	Ponnam. Sai	21N31A04J1
6	Executive Member-Elect	Illingi Yashodha Krishna	21N31A0486
7	Executive Members	Gujjeti Dhanunjay	21N31A0484
		Buyya Sai Charan	21N31A0444
		Bodha Shranith Reddy	22N35A0408
8	Branch Mentor	Dr. K Mallikarjuna Lingam	IETE No: AM13072

INSTITUTION OF ELECTRONICS & TELECOMMUNICATIONS ENGINEERS

The Institution of Electronics and Telecommunication Engineers (IETE) is Indias leading recognized professional society devoted to the advancement of Science and Technology of Electronics, Telecommunication & IT. Founded in 1953, it serv through various centers, whose number is 65, spread all over India and abroad. The Institution provides leadership in Scientific and Technical areas of direct importance to the national development and economy. Government of India has recog Industrial Research Organization (SIRO) and also notified as an educational Institution of national eminence. The objectives of IETE focus on advancing electro-technology.

IETE Student Chapter

The IETE student chapter at MRCET was established in the year 2009. The IETE conducts and sponsors technical meetings, conferences, symposia, and exhibitions all over India, publishes technical journals and provides continuing education opportunities to its members.

FACULTY ADVISORS

S.No	Name of the Faculty	Designation
1	Dr VSK Reddy	Principal
2	Prof. P. Sanjeeva Reddy	Director
3	Dr. S. Srinivasa Rao	Head of the Department

IETE Students Forum

STUDENT OFFICE BEARERS

DESIGNATION	NAME OF THE STUDENT	Reg.No
Chair	N.Sachin	21N31A04F0
Vice-Chair	Namana Rupa Sahithi	21N31A04F5
Secretary	Seelam Sushma	21N31A04L4
Treasurer	Bathini Abhivardhan	21N31A0423
Executive Officer-Elected	Siripurapu Vishnu	21N31A04M4
Executive Members	Pasham Shriya	21N31A04G8
	Bingi Sri Sai Rakshitha	21N31A0431
	Karumanchi Gayathri	21N3IA04A4
Branch Counselor	Dr S Srinivasa Rao	IEEE No: 92932745

Academic Year	Particulars	Date	Participants
2023-2024	IIC	28-Jul-23	243
	Engineer's Day Report	15-Sep-23	227
	Project Expo Report	9-10 Oct 2023	241
	ML using Python Final Report	18-19 Oct 2023	248
	CRT Training by Logic Works	30th Oct to 04th Nov 2023	195
	IIC	11-Nov-23	221
	5 Day Training Program on AIML, Embedded Systems, VLSI, Robotics & IoT	20th to 24th Nov 2023	236
	CCNA Report	18th to 20th Jan 2024	248
	Tech Fest Report	2nd to 03rd Feb 2024	276
	CRT Feb19-23 ECE 3rd Yr	19th to 23th Feb 2024	241
	Code Infinity Report	01st & 02nd Mar 2024	179
	2nd yr Workshop	06-07th Mar 2024	128
	Viksit Bharat Report	13th Mar 2024	252
	Expert Talk 22nd March Report	22nd Mar 2024	211

===

Professional Activities (2022 - 2023)

Professional societies /chapters and organizing engineering events (5)

IEEE is the worlds largest professional association dedicated to advancing technological innovation and excellence for the benefit of humanity. IEEE and its members inspire a global community through IEEEs highly cited publications, confer professional and educational activities. IEEE, pronounced "Eye-triple-E," stands for the Institute of Electrical and Electronics Engineers. The association is chartered under this name and it is the full legal name

IEEE MRCET STUDENT BRANCH

STUDENT BRANCH NO: STB05801

The IEEE student branch officially started in 2015 as IEEE MRCET Student Branch. The Institute of Electrical and Electronics Engineers (IEEE) helps advance global prosperity by promoting the engineering process of creating, developing, int knowledge about electrical and information technologies and sciences for the benefit of humanity and the profession. The main perspective of IEEE student branch at MRCET is to make the students aware of various facilities and student deve IEEE. Here at MRCET, we encourage the networking of undergraduate and postgraduate students with industry and academics.

Resurgence of the IEEE MRCET Student Branch

The IEEE MRCET Student Branch which was dormant for long saw a new light with the appointment of the newly elected Executive Committee in January 2015. The Executive Committee has since then swung into complete action and ener Student Branch with severs technical, non-technical events apart from the IEEE Student Branch Administrative activities. The dedicated effort sand commitment from the Executive Committee and the Student Branch members has brought a new The IEEE MRCET Student Branch has walked a long way towards attainment of its purpose and has lived up to its objectives this year. Thanks to the excellent response from the students and faculty of d ECEDepartmenthasallocatedadedicatedtimeforIEEE Student Branch Activities to give all students, irrespective of their membership the opportunity of discovering the best engineer they can be and the best work they can do. The MRCET SB's technocrats with great opportunities to develop their talent and equip budding engineers with the necessary skills, experience, exposure, leadership, knowledge and entrepreneurship. This year the MRCET IEEE SB has successfully conducte technical events, 15+ non-technical events and nearly 25 IEEE SB Executive Committee's Administrative activities. The IEEE Student Branch at MRCET has inspired Innovation, Creativity and Motivation, thus has influenced the life of many stu motto and with extra vigor, the IEEE MRCET SB hopes to bring in even more students with many more activities into its ambit in 2021 on-words. The Student Branch hope to become an active member in the IEEE Hyderabad Section and also in th Student Branch has a vision and mission to become the nodal center for IEEE activities / events and a good example for Student Branches across South Asia. With this perseverance we hereby put forward the activities and events conducted by th three academic years i.e., i.e., 2021-22, 2022-23, 2023-24 & 2024-25.

FACULTY ADVISORS

S.NO.	NAME OF THE FACULTY	DESIGNATION	IEEE MEMBERSHIP
1	Dr. VSK Reddy	Director	90361410
2	Prof. P Sanjeeva Reddy	Senior Professor	90753599
3	Dr. S.Srinivasa Rao	Principal	92932745

EXECUTIVE COMMITTEE

DESIGNATION	NAME OFTHE STUDENT	Reg.No
Chair	Chakali Akash	20N31A0441
Vice-Chair	Bandi Jaswanth Raghavendra	20N31A0420
Secretary	Md Khadeeer Pasha	20N31A04E4
Treasurer	Padidhela Rahul	20N31A04G0
Executive Officer-Elected	Yerroju Jeswanth	20N31A0467
Executive Members	Bhukya Sravani	20N31A0431
	Dande Trinath	20N31A0449
	Akkala Indhu	20N31A0404
Branch Counselor	Dr S Srinivasa Rao	IEEE No: 92932745

INSTITUTION OF ELECTRONICS & TELECOMMUNICATIONS ENGINEERS

The Institution of Electronics and Telecommunication Engineers (IETE) is Indias leading recognized professional society devoted to the advancement of Science and Technology of Electronics, Telecommunication & IT. Founded in 1953, it serves r through various centers, whose number is 65, spread all over India and abroad. The Institution provides leadership in Scientific and Technical areas of direct importance to the national development and economy. Government of India has recogniz Industrial Research Organization (SIRO) and also notified as an educational Institution of national eminence. The objectives of IETE focus on advancing electro-technology.

IETE Student Chapter

The IETE student chapter at MRCET was established in the year 2009. The IETE conducts and sponsors technical meetings, conferences, symposia, and exhibitions all over India, publishes technical journals and provides continuing education opportunities to its members.

FACULTY ADVISORS

S.No	Name of the Faculty	Designation
1	Dr. VSK Reddy	Director
2	Dr. S Srinivasa Rao	Principal
3	Dr. K Mallikarjuna Lingam	HoD - ECE

IETE Students Forum

STUDENT OFFICE BEARERS

S.No	Designation	Nameof the Student	Reg.No
1	President	Sakilam.Adithya	20N31A04J7
2	Vice-President	Balem Linga Swamy	20N31A0418
3	Secretary	Makkala Satheesh	20N31A04D0
4	Joint Secretary	Maram Ajay	20N31A04D5
5	Treasurer	Manda Akshaya	20N31A04D3
6	Executive Member-Elect	Karumanchi Jhansi Swaapnika	20N31A0490
7	Executive Members	K Janaki Rao	21N35A0410
		Muthoju Sriya	20N31A04F3
		Gummidulla Hema	21N35A0408
8	Branch Mentor	Dr. K Mallikarjuna Lingam	IETE No: AM13072

List of Activities / Events

Academic Year	Particulars	Date	Participants
2022 - 2023	Four Day Workshop On Ali&Ml – Its Algorithms (A Hands-On Training)	Aug 10 -13, 2022	233
	Independent – Slogan Competition	Aug 13, 2022	49
	Engineer's Day Celebrations	Sept 15, 2022	211
	Code Fest	Oct 26, 2022 (Preliminary Round) Nov 9, 2022 (Grand Finale)	333
	Six Day Workshop On AI & Ml Using Python	Dec 13-19, 2022	247
	Achieving Problem-Solution Fit And Product-Market Fit	Jan 24, 2023	231
	Electrosurge-2k23	Jan 27- 28, 2023	256
	Expert Talk: Exploring Systems Thinking For Digital Transformation	Feb 11, 2023	239
	Reminiscence-2k23 Alumni Meet	Feb 25, 2023	436
	Campus Recruitment Training	Feb 28 – March 04, 2023	251
	Code Infinity	March 17 – 18, 2023	217

(L appears to the left of the Academic Year column)

FOUR DAY WORKSHOP ON AI&ML – ITS ALGORITHMS (A HANDS-ON TRAINING)

August 10th -13th 2022

INDEPENDENT – SLOGAN COMPETITION

August , 13th 2022

ENGINEERS' DAY CELEBRATIONS

<u>**SEPT 15, 2022**</u>

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

CODE FEST 2K22

October 26th, 2022 Preliminary Round <u>&</u> November 9th, 2022 Grand Finale

Malla Reddy College of Engineering and Technology (MRCET), Secunderabad is an UGC Autonomous Institution. Department of **Electronics and Communication Engineering** organized **CODE FEST in association with IETE Student Chapter** for

Objective:

Code-Fest was conducted based on the Python language. It was conducted in three rounds to ensure perfect sorting of students. This enabled to select the best participants as winners.

Highlights:

Round 1:

- The round 1 of Code-Fest was for all the students who are interested and wanted to give a try to the python coding.
- More than 300 students participated in the round 1 of Code- Fest.
- The Round 1 was conducted in the online mode with help of the platform called Hacker-Rank.
- The task in the 1st round was to solve 25 questions which included problems on basics and fundamentals of the Python and the time duration was 2 hours.
- Participants who attempted maximum questions correctly within stipulated time were qualified for the second round.

Round 2:

 Round 3:

- 57 participants qualified in the 1st round moved to the next level of the Code-Fest i.e., Round 2.
- Round 2 was Conducted in an offline mode On-campus in the computer lab using Python IDLE as the platform.
- The participants were qualified to the next round based on the number of question they solved successfully within the given time. Questions were related to logical problem solving.
- 15 participants were qualified for the round 3 of the Code-Fest.
  - The selected participants were provided separate systems to solve the questions which were application and logical based.
  - Round 3 was for the duration of 2hrs and the qualification was based on the simplest solutions provided by the participants.
-

SIX DAY WORKSHOP ON AI&ML USING PYTHON (A Hands-on Training

December 13th -19th 2022

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, Kompally, Secunderabad – 500100, Telangana State, India.

6 DAY WORKSHOP
ON
AI&ML USING PYTHON (HANDS-ON TRAINING)
SCHEDULE-2025 PASSOUT
December 13-19, 2022

DATE	Section	Topic	Sub Topic	Duration (Hrs)
13.12.2022 to 15.12.2022	A & C Sections	Core Python	Control Statements,Files,Collection Types	3
		Advanced Python	OOPs,Regular Expressions,Exception Handling	3
		Numpy	Numpy	3
		Pandas	Pandas	3
		AI/ML	Introduction, Applications AI Vs ML	3
		Scipy	Regression/Classification Algorithms	3
16.12.2022 to 19.12.2022	B & D Sections	Core Python	Control Statements,Files,Collection Types	3
		Advanced Python	OOPs,Regular Expressions,Exception Handling	3
		Numpy	Numpy	3
		Pandas	Pandas	3
		AI/ML	Introduction, Applications AI Vs ML	3
		Scipy	Regression/Classification Algorithms	3

Dr. N. Subash
TPO

Dr.K. MALLIKARJUNA LINGAM
HOD

Dr. S. SRINIVASA RAO
PRINCIPAL

Sd/-
Dr.R.CHINNA RAO
YEAR CO-ORDINATOR
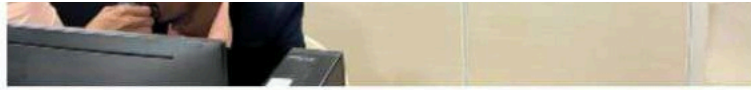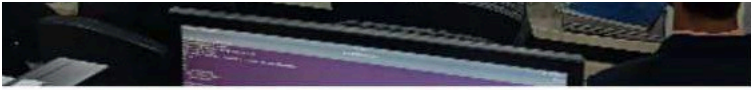
TECHNO CULTURAL SPORTS FEST ELECTROSURGE-2K23

JANUARY -27th & 28th 2023

EXPERT TALK ON EXPLORING SYSTEMS THINKING FOR DIGITALTRANSFORMATION

FEBRUARY 11th 2023

FEBRUARY 25th 2023

CRT SCHEDULE 2024 PASSOUT

28 Feb -04 March, 2023
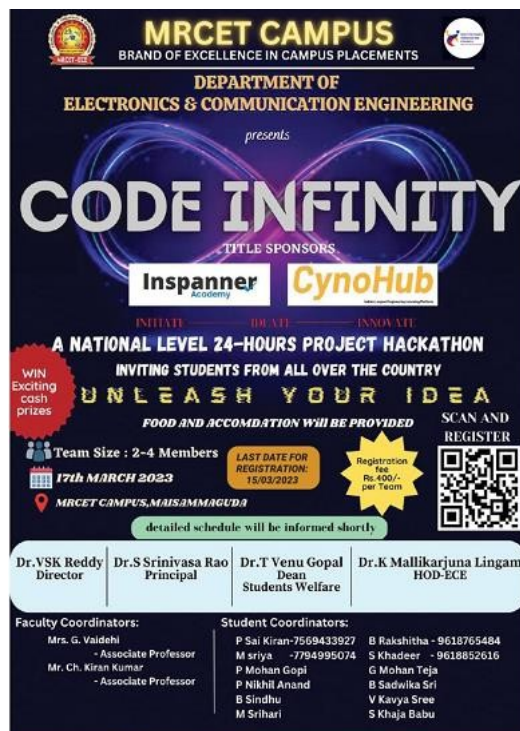
S.NO	BRANCH	Session	VENUE
1	ECE – A, B & C Sections	S1	MECHANICAL CAD LAB - Ground FLOOR
		S2	ECE SEMINAR HALL– Ground FLOOR
2	ECE – D Section & EEE	S1	ECE SEMINAR HALL– Ground FLOOR
		S2	MECHANICAL CAD LAB - Ground FLOOR
3	CSE (A & B SECTIONS)	S1	CSE BUILDING - E Class Room- IInd FLOOR
		S2	CSE SEMINAR HALL – IIIrd FLOOR
4	CSE (C & D SECTIONS)	S1	CSE SEMINAR HALL – IIIrd FLOOR
		S2	CSE BUILDING - E Class Room- IInd FLOOR

5	IT- A,B & C SECTIONS	S1	**PLACEMENT BUILDING- GROUND FLOOR LAB**
		S2	**IT SEMINAR HALL - IInd FLOOR**
6	AI/ML & DS	S1	**IT SEMINAR HALL - IInd FLOOR**
		S2	**PLACEMENT BUILDING- GROUND FLOOR LAB**
7	IOT & CS	S1	**PLACEMENT BUILDING- SECOND FLOOR LAB- FRONT SIDE**
		S2	**MECHANICAL SEMINAR HALL - IInd FLOOR**
8	MECH & AERO	S1	**MECHANICAL SEMINAR HALL - IInd FLOOR**
		S2	**PLACEMENT BUILDING- SECOND FLOOR LAB- FRONT SIDE**

Component	Topic Code	Topics	Duration
Python	Tech 4	Lists	3
	Tech 5	Tuples	2
	Tech 6	Sets	2
	Tech 7	Dictionaries	2
	Tech 8	Functions 1	3
Verbal Ability	VA3	Subject Verb Agreement, Sentence Correction	3
	VA4	Reading Comprehension & Para Jumbles	3
	VA5	Vocabulary	3
	VA6	Sentence Completion, Adverbs	3
Quantitative Ability	QA5	Time And Distance & Trains	3
Reasoning Ability	RA3	Blood Relations and Directions	3
	RA4	Clocks and Calendars	3
	RA5	Syllogisms, Statements and Conclusions	3
TOTAL			**30 Hrs**

CODE INFINITY MARCH

17th & 18th 2023

Professional Activities (2021-22)

Professional societies / chapters and organizing engineering events (5)

Institute of Electrical and Electronics Engineers

IEEE is the worlds largest professional association dedicated to advancing technological innovation and excellence for the benefit of humanity. IEEE and its members inspire a global community through IEEEs highly cited publications, conferences, professional and educational activities. IEEE, pronounced "Eye-triple-E," stands for the Institute of Electrical and Electronics Engineers. The association is chartered under this name and it isthe full legal name.

IEEE MRCET STUDENT BRANCH

STUDENT BRANCH NO: STB05801

The IEEE student branch officially started in 2015 as IEEE MRCET Student Branch. The Institute of Electrical and Electronics Engineers (IEEE) helps advance global prosperity by promoting the engineering process of creating, developing, int knowledge about electrical and information technologies and sciences for the benefit of humanity and the profession. The main perspective of IEEE student branch at MRCET is to make the students aware of various facilities and student deve IEEE. Here at MRCET, we encourage the networking of undergraduate and postgraduate students with industry and academics.

Resurgence of the IEEE MRCET Student Branch

The IEEE MRCET Student Branch which was dormant for long saw a new light with the appointment of the newly elected Executive Committee in January 2015. The Executive Committee has since then swung into complete action and energ Student Branch with several technical, non-technical events apart from the IEEE Student Branch Administrative activities. The dedicated efforts and commitment from the Executive Committee and the Student Branch members has brought a new The IEEE MRCET Student Branch has walked a long way towards attainment of its purpose and has lived up to its objectives this year. Thanks to the excellent response from the students and faculty of different departments, MRCET's ECE Depart time for IEEE Student Branch Activities to give all students, irrespective of their membership the opportunity of discovering the best engineer they can be and the best work they can do. The MRCET SB's goal remains to empower the technoc develop their talent and equip budding engineers with the necessary skills, experience, exposure, leadership, knowledge and entrepreneurship. This year the MRCET IEEE SB has successfully conducted over 60 events including 20+ technical ev and nearly 25 IEEE SB Executive Committee's Administrative activities. The IEEE Student Branch at MRCET has inspired Innovation, Creativity and Motivation, thus has influenced the life of many students this year. With the same motto and with SB hopes to bring in even more students with many more activities into its ambit in 2019. The Student Branch hopes to become an active member in the IEEE Hyderabad Section and also in the IEEE R10. The MRCET IEEE Student Branch has a the nodal center for IEEE activities/events and a good example for Student Branches across South Asia. With this perseverance we hereby put forward the activities and events conducted by the IEEE MRCET SB for the last three academic years i & 2024-25.

FACULTY ADVISORS

S.No.	Name Of the Faculty	Designation	IEEE Membership
1	Dr. VSK Reddy	Director	90361410
2	Prof. P Sanjeeva Reddy	Senior Professor	90753599
3	Dr. S.Srinivasa Rao	Principal	92932745

EXECUTIVE COMMITTEE

Designation	Name of the Student	Reg.No
Chair	Sambari Vinay	19N31A04K2
Vice-Chair	Thalla Lohith Vardhan	18N31A04M3
Secretary	Tejawath Durga Prasad	19N31A04M1
Treasurer	Vedala Jayanth	19N31A04N1
Executive Officer-Elected	Shine Shafi	19N31A04P5
Executive Members	Suggala Manasa	19N31A04L7
	Sambu Sai Neha	19N31A04K3
	Rajuri Sai Charan	19N31A04J4
Branch Counselor	Dr S Srinivasa Rao	IEEE No.: 92932745

INSTITUTION OF ELECTRONICS & TELECOMMUNICATIONS ENGINEERS

The Institution of Electronics and Telecommunication Engineers (IETE) is Indias leading recognized professional society devoted to the advancement of Science and Technology of Electronics, Telecommunication & IT. Founded in 1953, it serv through various centers, whose number is 65, spread all over India and abroad. The Institution provides leadership in Scientific and Technical areas of direct importance to the national development and economy. Government of India has recog Industrial Research Organization (SIRO) and also notified as an educational Institution of national eminence. The objectives of IETE focus on advancing electro-technology.

IETE Student Chapter

The IETE student chapter at MRCET was established in the year 2009. The IETE conducts and sponsors technical meetings, conferences, symposia, and exhibitions all over India, publishes technical journals and provides continuing education opportunities to its members.

FACULTY ADVISORS

S.No.	Name of the Faculty	Designation
1	Dr. VSK Reddy	Director
2	Dr. S Srinivasa Rao	Principal
3	Dr. K Mallikarjuna Lingam	HoD - ECE

IETE Students Forum

STUDENT OFFICE BEARERS

S.No	Designation	Nameof the Student	Reg.No
1	President	Vanam Naga Harshitha	19N31A04M8
2	Vice-President	V Jonah Emmanuel	19N31A04N4
3	Secretary	Gare Manoj Kumar	19N31A0473
4	Joint Secretary	Kakarla Sunil Kumar	19N31A0498
5	Treasurer	Galipelli Sai Krishna	19N31A0470
6	Executive Member-Elect	G Sahithi	19N31A0464
7	Executive Members	Shaik Salman	19N31A04K8
		Vedala Jayanth	19N31A04N1
		S Anusurya	19N31A04J8
8	Branch Mentor	Dr. K Mallikarjuna Lingam	IETE No: AM13072

List of Activities / Events

Academic Year	Particulars	Date	Participants
2021-2022	My Story – Motivational Session By Successful Innovator	November 10, 2021	207
	Three Day Workshop On Ai-Ml Using Python	November 11-13, 2021	244
	Industrial Visit To Bharat Electronics Limited	December 16, 2021	70
	Two days hands-on workshop on python Programming	December 27-30, 2021	248
	National Science Day	February 28, 2022	63
	Electrosurge 2k22 Techno-Cultural Sports Fest	March 4-5, 2022	271
	Freshers And Farewell	April 23, 2022	236
	Arduino Programming & Interfacing Hands-On	April 25-28, 2022	234

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

4.5.2 Students Publications

MALLA REDDY COLLEGE OF ENGINEERING AND TECHNOLOGY				
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING				
Student Publications :: 2023-2024				
S. No	Name of student (Author)	Title of the article	Name of the Journal	VOLUME / ISSUE / YEAR
1	Sunkari Sucharitha Srinivas Sarkar Vegesina Jithendra Saiteja	Automatic Alcohol Sense and Engine lock	IJCRT	Mar-24
2	Vadlamudi Naga Venkata Sai pranay vaedavalli Uday Kiran Shetty Niharika	Fire Gaurd: A Smart arduino-powered Firfighting Cpmpanion	IRJMET	Mar-24
3	Sadwika Sri Boddupally Vangaveeeti Kavya Sree Valugula Sathwik	A novel Time-Aware Food Recommender System based on Deep learning and graph Clustering.	ICJRT	Mar-24

4.5.2 Students Book Publications

4.5.2 Students Publications

MALLA REDDY COLLEGE OF ENGINEERING AND TECHNOLOGY			
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING			
Student Publications :: 2021-2022			
S.No	Name of student (Author)	Title of the article	Name of the Journal	VOLUME / ISSUE / YEAR
1	Matham Vineeth	BOOK: MEGHNATH:The warrior prince	Notion Press	Jul-22
2	Matham Vineeth	BOOK: My Father and his Plight	Product: ASIN : B09T75K7ZW	2022

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

Participation in inter-institute events by students of the program of study (2023-2024)

4.5.3. Participation in inter-institute events by students of the program of
study (10)

S.No.	Name Of Student	Roll Number	Name of the certification	Certificate received date
MALLA REDDY COLLEGE OF ENGINEERING AND TECHNOLOGY				
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING				
Student Value added Courses :: 2023-2024				
1	VARSHINI GOWRARAM	23N31A0442	Programming for everybody (Getting started with Python)	March 31 2024
2	T ACHYUTH	22N31A04B4	Python for Beginners: Data Structures	17-02-2024
3	T ACHYUTH	22N31A04B4	Create Your First Automation Script Using Selenium and Java	17-02-2024
4	T ACHYUTH	22N31A04B4	Unity for Absolute Beginners - Getting Started	17-02-2024
5	T ACHYUTH	22N31A04B4	Creating a Quiz Game using Vanilla JavaScript	17-02-2024
6	T ACHYUTH	22N31A04B4	How to use roadmaps in Jira	17-02-2024
7	T ACHYUTH	22N31A04B4	Build Your First React Website (Part II)	17-02-2024
8	T ACHYUTH	22N31A04B4	How to Create an Instagram Business Account	17-02-2024
9	MANDA LAKSHMAN VASU	22N31A0472	ChatGPT for Beginners Using AI For Market	Jul 2, 2023
10	MANDA LAKSHMAN VASU	22N31A0472	Design a Business Model Canvas with Miro	Jul 2, 2023
11	MANDA LAKSHMAN VASU	22N31A0472	Building a Business Presence With Facebook	Jul 2, 2023
12	MANDA LAKSHMAN VASU	22N31A0472	Build Your First React Website (Part II)	Jul 2, 2023
13	MANDA LAKSHMAN VASU	22N31A0472	Python for Beginners Data Structures	Jul 2, 2023
14	MANDA LAKSHMAN VASU	22N31A0472	Get Started with Face book Ads Manager	Jul 2, 2023
15	MANDA LAKSHMAN VASU	22N31A0472	Package Installation in Linux	Jul 2, 2023
16	MANDA LAKSHMAN VASU	22N31A0472	How to Set Up a Facebook Ads Campaign	Jul 2, 2023
17	MANDA LAKSHMAN VASU	22N31A0472	How to Create an Instagram Business Account	Jul 2, 2023
18	MANDA LAKSHMAN VASU	22N31A0472	How to use roadmaps in Jira	Jul 2, 2023
19	KUMMARI ESHWAR	22N31A0470	How to increase engagement to	J un 4, 2023

20	KUMMARI ESHWAR	22N31A0470	Python for Beginners: Data Structures	J un 4, 2023
21	KUMMARI ESHWAR	22N311A0470	Python for Beginners: Variables and Strings	J ul, 1, 2023
22	KUMMARI ESHWAR	22N31A0470	How to use roadmaps in Jira	J un 4, 2023
23	KUMMARI ESHWAR	22N31A0470	AWS S3 Basics	J un 4, 2023
24	KUMMARI ESHWAR	22N31A0470	How to Create an Instagram Business Account	J un 4, 2023
25	KUMMARI ESHWAR	22N31A0470	How to increase engagement to Instagram Business profile	J un 4, 2023
26	KUMMARI ESHWAR	22N31A0470	How to Set Up a Facebook Ads Campaign	J un 4, 2023
27	KUMMARI ESHWAR	22N31A0470	Package Installation in Linux	J un 4, 2023
28	NARALA PRANAV KUMAR	22N31A0484	How to use roadmaps in Jira	15-02-2024
29	NARALA PRANAV KUMAR	22N31A0483	Package Installation in Linux	15-02-2024
30	YERRAM PRASHANT REDDY	22N31A04C7	Build Your First React Website (Part II)	Sep 24, 2023
31	YERRAM PRASHANT REDDY	22N31A04C7	How to Set Up a Facebook Ads Campaign	Sep 24, 2023
32	YERRAM PRASHANT REDDY	22N31A04C7	Package Installation in Linux	Sep 24, 2023
33	YERRAM PRASHANT REDDY	22N31A04C7	Get Started with Facebook Ads Manager	Sep 24, 2023
34	YERRAM PRASHANT REDDY	22N31A04C7	How to use roadmaps in Jira	Sep 24, 2023
35	BALABOINA RAMYASRI	23N31A0411	CAMBRIDGE	2024
36	BALABOINA RAMYASRI	23N31A0411	WEB DESIGN	2024
37	BALABOINA RAMYASRI	23N31A330411	SCIENCE EXPO	2024
38	ALLAKONDA ANUSHA	22N31A0402	Building a Business Presence with Facebook Marketing	1 jun,2023
39	ALLAKONDA ANUSHA	22N31A0402	Use surveyMonkey to create a survey and Analyze Results	1 jun,2023
40	ALLAKONDA ANUSHA	22N31A0402	Build Your React Website (part 2)	1 jun,2023
41	SUDDAPALLI NAGA SAI HARSHITH	22N31A04B2	Introduction to cybersecurity tools & cyberattacks	18-02-2024
42	ALLAKONDA ANUSHA	22N31A0402	ChatGpt for Beginners: Using AI For Market Research	1 jun,2023
43	GINJALA SAI MEGHANA	22N31A0443	Marketing Design with Easil	15-02-2024
44	GINJALA SAI	22N31A0443	Introduction to Basic Game	15-02-2024

45	GINJALA SAI MEGHANA	22N31A0443	Control Physics with c# in Unity	15-02-2024
46	GINJALA SAI MEGHANA	22N31A0443	Create Your First Python Program From UST	15-02-2024
47	GINJALA SAI MEGHANA	22N31A0443	Python Packages for Data Science	15-02-2024
48	GINJALA SAI MEGHANA	22N31A0443	Android Programming for Beginners -A Simple BMI calculator	15-02-2024
49	GINJALA SAI MEGHANA	22N31A0443	Google Slides	16-02-2024
50	GINJALA SAI MEGHANA	22N31A0443	Create Informative Presentations with Google Slides	16-02-2024
51	GINJALA SAI MEGHANA	22N31A0443	Create Your First Web App With Python and Flask	15-02-2024
52	GINJALA SAI MEGHANA	22N31A0443	Learn Java with no Prior Programming experience	15-02-2024
53	GINJALA SAI MEGHANA	22N31A0443	Google Drive	15-02-2024
54	GINJALA SAI MEGHANA	22N31A0443	Performing Data Aggregation Using SQL Aggregate Functions	18-02-2024
55	GINJALA SAI MEGHANA	22N31A0443	Build Your Portfolio Website with HTML and CSS	18-02-2024
56	GINJALA SAI MEGHANA	22N31A0443	Deep Learning for Real Estate Price Prediction	18-02-2024
57	GINJALA SAI MEGHANA	22N31A0443	Use of Survey Monkey to Create a Survey and Analyze Results	18-02-2024
58	GINJALA SAI MEGHANA	22N31A0443	How to Design Facebook/IG Stories Using Canva	17-02-2024
59	GINJALA SAI MEGHANA	22N31A0443	Expressway to DataScience: Python Programming	15-02-2024
60	JAKKULA UDHAYABHANU	22N31A0454	Exploratory Data Analysis for Machine Learning	15-02-2024
61	JAKKULA UDHAYABHANU	22N31A0454	Android Programming for Begginers - A simple BMI calculator	15-02-2024
62	JAKKULA UDHAYABHANU	22N31A0454	Learn Java with no prior programming experience	16-02-2024
63	JAKKULA UDHAYABHANU	22N31A0454	Create Your First Web App with Python and Flask	16-02-2024
64	JAKKULA UDHAYABHANU	22N31A0454	How to design Facebook/IG Stories using Canva	16-02-2024
65	JAKKULA UDHAYABHANU	22N31A0454	Create Information Presentations with Google Slides	16-02-2024
66	JAKKULA UDHAYABHANU	22N31A0454	Google Slides	16-02-2024

67	JAKKULA UDHAYABHANU	22N31A0454	Use SurveyMonkey to Create a Survey and Analyze Results	16-02-2024
68	JAKKULA UDHAYABHANU	22N31A0454	Deep Learnoing for Real Estate Price Prediction	16-02-2024
69	JAKKULA UDHAYABHANU	22N31A0454	Build Your Portfolio Website with HTML and CSS	16-02-2024
70	VEGESINA JAI PRAKASH	22N31A04C3	Python for Data Science, AI & Development	Feb 23, 2024
71	VEGESINA JAI PRAKASH	22N31A04C3	How to use roadmaps in Jira	Feb 23, 2024
72	VEGESINA JAI PRAKASH	22N31A04C3	Getting Started with Rstudio	Feb 16, 2024
73	JAKKULA UDHAYABHANU	22N31A0454	Performing Date Aggregation using SQL Aggregate Functions	16-02-2024
74	JAKKULA UDHAYABHANU	22N31A0454	Introduction to Data Analysis using Microsoft Excel	16-02-2024
75	JAKKULA UDHAYABHANU	22N31A0454	Introduction to Relational Database and SQL	17-02-2024
76	JAKKULA UDHAYABHANU	22N31A0454	Advanced Commands in Linux	17-02-2024
77	JAKKULA UDHAYABHANU	22N31A0454	Use Canva to Create Desktop and Mobile-friendly Web Pages	17-02-2024
78	JAKKULA UDHAYABHANU	22N31A0454	Security Cisco Switches with Port Security	17-02-2024
79	A.RAHUL	23N31A0407	python	March 31,2024
80	BHUKYA SOWJANYA	22N31A0419	What is Data Science?	26-11-2023
81	BHUKYA SOWJANYA	22N31A0419	Exploratory Data Analysis for Machine Learning	15-02-2024
82	BHUKYA SOWJANYA	22N31A0419	Android Programming for Begginers - A simple BMI calculator	15-02-2024
83	BHUKYA SOWJANYA	22N31A0419	Control Physics with C# in Unity	15-02-2024
84	BHUKYA SOWJANYA	22N31A0419	Introduction to Basic Game Development using Scratch	15-02-2024
85	BHUKYA SOWJANYA	22N31A0419	Google Drive	15-02-2024
86	BHUKYA SOWJANYA	22N31A0419	Marketing Design with Easil	15-02-2024
87	BHUKYA SOWJANYA	22N31A0419	Learn Java with no prior programming experience	16-02-2024
88	BHUKYA SOWJANYA	22N31A0419	Create Your First Web App with Python and Flask	16-02-2024
89	BHUKYA SOWJANYA	22N31A0419	How to design Facebook/IG Stories using Canva	16-02-2024
90	BHUKYA	22N31A0419	Create Information Presentations	16-02-2024

91	BHUKYA SOWJANYA	22N31A0419	Google Slides	16-02-2024
92	BHUKYA SOWJANYA	22N31A0419	Use SurveyMonkey to Create a Survey and Analyze Results	16-02-2024
93	BHUKYA SOWJANYA	22N31A0419	Deep Learnoing for Real Estate Price Prediction	16-02-2024
94	BHUKYA SOWJANYA	22N31A0419	Build Your Portfolio Website with HTML and CSS	16-02-2024
95	BHUKYA SOWJANYA	22N31A0419	Performing Date Aggregation using SQL Aggregate Functions	16-02-2024
96	BHUKYA SOWJANYA	22N31A0419	Introduction to Data Analysis using Microsoft Excel	16-02-2024
97	BHUKYA SOWJANYA	22N31A0419	Introduction to Relational Database and SQL	17-02-2024
98	BHUKYA SOWJANYA	22N31A0419	Advanced Commands in Linux	17-02-2024
99	BHUKYA SOWJANYA	22N31A0419	Use Canva to Create Desktop and Mobile-friendly Web Pages	17-02-2024
100	BHUKYA SOWJANYA	22N31A0419	Security Cisco Switches with Port Security	17-02-2024
101	NOMULA NIKHIL RAM MAHENDRA	22N31A0485	Amazon Web Services	28-10-2024
102	RISHITHA REDDY	22N31A04A5	Introduction to python	05-Jun-23
103	KULKARNI SRINIDHI	22N31A0469	Smart india hakathon (SIH)	20-09-2024
104	KULKARNI SRINIDHI	22N31A0469	Wadhvani foundation	02-04-2024
105	VIJAY KUMAR KOPANATI	22N31A0467	Smart india hakathon(SIH)	20-09-2024
106	T ACHYUTH	22N31A04B4	Customer Centricity	March 31, 2024
107	T ACHYUTH	22N31A04B4	Effective Speaking and Listening Skills	March 31, 2024

Participation in inter-institute events by students of the program of study 2022-2023

		MALLA REDDY COLLEGE OF ENGINEERING AND TECHNOLOGY		
		DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING		
		Student Value added Courses :: 2022-2023		
S. No.	Name of student	Roll Number	Name of the certification	certificate received date
1	KANCHI JASWANTH NAIDU	21N31A04A1	Machine Learning: an overview	October 20,2022
2	KAMMARI HASINI	21N31A04A0	Machine Learning: an overview	Oct 19, 2022
3	VERPULA PARAMESH	22N31A04C4	Creating a Quiz Game using Vanilla JavaScript	29-05-2023
4	VERPULA PARAMESH	22N31A04C4	Advanced Commands in Linux	29-05-2023
5	VERPULA PARAMESH	22N31A04C4	Basic Game Development with Levels using Scratch	29-05-2023
6	VERPULA PARAMESH	22N31A04C4	Create Your First Automation Script Using Selenium and Java	29-05-2023
7	VERPULA PARAMESH	22N31A04C4	Getting Started with Ubuntu Linux	29-05-2023
8	VERPULA PARAMESH	22N31A04C4	Google Meet	29-05-2023
9	VERPULA PARAMESH	22N31A04C4	Python for Beginners: Variables and Strings	29-05-2023
10	VERPULA PARAMESH	22N31A04C4	Unity for Absolute Beginners - Getting Started	29-05-2023
11	MANDA LAKSHMAN VASU	22N31A0472	Android Programming for Beginners - A simple bmi calculator	Apr 28, 2023
12	MANDA LAKSHMAN VASU	22N31A0472	Python for Beginners Variables and Strings	Apr 29, 2023
13	MANDA LAKSHMAN VASU	22N31A0472	Python for Data Science, AI & Development	Apr 30, 2023
14	MANDA LAKSHMAN VASU	22N31A0472	Creating a Quiz Game using Vanilla JavaScript	Apr 30, 2023
15	MANDA LAKSHMAN VASU	22N31A0472	Advanced Commands in Linux	May 21, 2023

16	MANDA LAKSHMAN VASU	22N31A0472	Create Your First Automation Script Using	May 20, 2023
17	MANDA LAKSHMAN VASU	22N31A0472	Getting Started with Ubuntu Linux	May 20, 2023
18	MANDA LAKSHMAN VASU	22N31A0472	Google meet	May 29, 2023
19	MANDA LAKSHMAN VASU	22N31A0472	Introduction to Basic Game Development using	Apr 30, 2023
20	MANDA LAKSHMAN VASU	22N31A0472	Unity for Absolute Beginners - Getting Started	May 21, 2023
21	MANDA LAKSHMAN VASU	22N31A0472	Introduction to Artificial Intelligence (AI)	Apr 28, 2023
22	KUMMARI ESHWAR	22N311A0470	Python for Beginners: Variables and Strings	J ul 1, 2023
23	NARALA PRANAV KUMAR	22N31A0483	PYTHON FOR BEGINNERS	29-04-2023
24	NARALA PRANAV KUMAR	22N31A0483	ADVANCED COMMAND IN LINUX	22-05-2023
25	NARALA PRANAV KUMAR	22N31A0483	Unity for Absolute Beginners	23-05-2023
26	NARALA PRANAV KUMAR	22N31A0483	Create Your First Automation Script Using Selenium and Java	22-05-2023
27	NARALA PRANAV KUMAR	22N31A0483	Google Meet	23-05-2023
28	NARALA PRANAV KUMAR	22N31A0483	Getting Started with Ubuntu Linux	22-05-2023
29	NARALA PRANAV KUMAR	22N31A0483	Python for Beginners: Data Structures	15-02-2023
30	NARALA PRANAV KUMAR	22N31A0483	Build Your First React Website	15-02-2023
31	NARALA PRANAV KUMAR	22N31A0483	Basic Game Development with Levels using Scratch	30-04-2023
32	NARALA PRANAV KUMAR	22N31A0483	How to Create an Instagram Business Account	15-02-2023
33	NARALA PRANAV KUMAR	22N31A0483	Creating a Quiz Game using Vanilla JavaScript	22-05-2023
34	NARALA PRANAV KUMAR	22N31A0483	Introduction to Java	30-04-2023
35	NARALA PRANAV KUMAR	22N31A0483	Introduction to Artificial Intelligence (AI)	28-04-2023

36	NARALA PRANAV KUMAR	22N31A0483	Android Programming for Beginners - A simple BMI calculator	27-04-2023
37	YERRAM PRASHANT REDDY	22N31A04C7	Android Programming for Beginners - A simple BMI calculator	May 7, 2023
38	YERRAM PRASHANT REDDY	22N31A04C7	Python for Beginners: Variables and Strings	May 7, 2023
39	YERRAM PRASHANT REDDY	22N31A04C7	Introduction to Basic Game Development using Scratch	May 7, 2023
40	VEGESINA JAI PRAKASH	22N31A04C3	Python for Beginners: Variables and Strings	Apr 30, 2023
41	ALLAKONDA ANUSHA	22N31A0402	Python for Beginners:Data structures	18 may,2023
42	ALLAKONDA ANUSHA	22N31A0402	Command Line Basics in Linux	25 may,2023
43	ALLAKONDA ANUSHA	22N31A0402	Introduction to Basic Game Development using Scratch	25 may,2023
44	ALLAKONDA ANUSHA	22N31A0402	Introduction to Python	25 may,2023
45	ALLAKONDA ANUSHA	22N31A0402	Introduction to C Programming Variables Input Output	25 may,2023
46	ALLAKONDA ANUSHA	22N31A0402	How to use roadmaps in jira	25 may,2023
47	GINJALA SAI MEGHANA	22N31A0443	Introduction to Python Fundamentals	25-05-2023
48	GINJALA SAI MEGHANA	22N31A0443	Introduction to Python Functions	26-05-2023
49	GINJALA SAI MEGHANA	22N31A0443	C for Everyone: Programming Fundamentals	23-05-2023
50	ALLAKONDA ANUSHA	22N31A0402	Package Installation in Linux	23 may,2023
51	ALLAKONDA ANUSHA	22N31A0402	Get Started with Facebook Ads Manager	28 may,2023
52	ALLAKONDA ANUSHA	22N31A0402	How to create an instagram Business Account	28 may,2023
53	ALLAKONDA ANUSHA	22N31A0402	AWs S3 Basics	28 may,2023
54	ALLAKONDA ANUSHA	22N31A0402	How to increase engagement to instgram Business profi	28 may,2023
55	ALLAKONDA ANUSHA	22N31A0402	How to set up a Facebook Ads Campaign	28 may,2023
56	ALLAKONDA ANUSHA	22N31A0402	How to use the Lean Canvas to Validate Your Business Model	28 may,2023

57	ALLAKONDA ANUSHA	22N31A0402	How to use the Business Model canvas for strategic Analysis	28 may,2023
58	ALLAKONDA ANUSHA	22N31A0402	Design a Business Model canvas with Miro	28 may,2023
59	ALLAKONDA ANUSHA	22N31A0402	Cambridge English Empower	2022
60	VEGESINA JAI PRAKASH	22N31A04C3	Advanced Commands in Linux	May 21, 2023
61	VEGESINA JAI PRAKASH	22N31A04C3	Unity for Absolute Beginners - Getting Started	May 21, 2023
62	VEGESINA JAI PRAKASH	22N31A04C3	Getting Started with Ubuntu Linux	May 21, 2023
63	VEGESINA JAI PRAKASH	22N31A04C3	Create Your First Automation Script Using Selenium and Java	May 21, 2023
64	VEGESINA JAI PRAKASH	22N31A04C3	Introduction to Java	May 3, 2023
65	VEGESINA JAI PRAKASH	22N31A04C3	Android Programming for Beginners - A simple BMI calculator	May 3, 2023
66	VEGESINA JAI PRAKASH	22N31A04C3	Introduction to Artificial Intelligence (AI)	May 3, 2023
67	VEGESINA JAI PRAKASH	22N31A04C3	Python for Beginners: Variables and Strings	Apr 30, 2023
68	VEGESINA JAI PRAKASH	22N31A04C3	Introduction to Basic Game Development using Scratch	Apr 30, 2023
69	VEGESINA JAI PRAKASH	22N31A04C3	Creating a Quiz Game using Vanilla JavaScript	Apr 30, 2023
70	CHIKKALA ABHINAV	22N31A0430	Getting Started with R	May 29, 2023
71	CHIKKALA ABHINAV	22N31A0430	Getting Started with Linux Terminal	May 26, 2023
72	CHIKKALA ABHINAV	22N31A0430	Getting Started with Microsoft Office 365	May 29, 2023
73	CHIKKALA ABHINAV	22N31A0430	Google Calendar	May 27, 2023
74	CHIKKALA ABHINAV	22N31A0430	HTML for Beginners : Getting Started	May 31, 2023
75	CHIKKALA ABHINAV	22N31A0430	Introduction to Microsoft Excel	May 27, 2023
76	CHIKKALA ABHINAV	22N31A0430	Introduction to Python	May 28, 2023
77	D BHOOMIKA	21N31A0456	Programming for everybody(Getting started with python)	13-11-2022

78	D BHOOMIKA	21N31A0456	Python data structures	13-11-2022
79	D BHOOMIKA	21N31A0456	C for Everyone: Programming Fundamentals	26-11-2022
80	D BHOOMIKA	21N31A0456	Developing a Roadmap Timeline in PowerPoint	26-11-2022
81	D BHOOMIKA	21N31A0456	Android Programming for Beginners - A simple BMI calculator	21-12-2022
82	D BHOOMIKA	21N31A0456	Android Programming for Beginners - Contacts Application	21-12-2022
83	D BHOOMIKA	21N31A0456	Creating an Interactive KPI Management Dashboard in Tableau	26-11-2022
84	SIRIKONDA SHALINI	22N35A0424	Machine learning with big data	14-04-2023
85	RANJITH THALLAPALLI	21N31A04N3	Introduction to database and sql	Dec 19 2022
86	RANJITH THALLAPALLI	21N31A04N3	C++ application	Dec 19 2022
87	ABHINAY SRINIVASAN	21N31A0403	5G for Everyone	12-11-2022
88	ABHINAY SRINIVASAN	21N31A0403	AI for Everyone	25-11-2022
89	ABHINAY SRINIVASAN	21N31A0403	Customer-Centric IT Strategy	19-12-2022
90	ABHINAY SRINIVASAN	21N31A0403	Fundamentals of Management	20-12-2022
91	ABHINAY SRINIVASAN	21N31A0403	Google Workspace Security	20-12-2022
92	ABHINAY SRINIVASAN	21N31A0403	Introduction to Relational Database and SQL	19-12-2022
93	ABHINAY SRINIVASAN	21N31A0403	Programming for Everybody (Getting Started with Python)	13-11-2022
94	ABHINAY SRINIVASAN	21N31A0403	Seeing Through Photographs	02-11-2022
95	ABHINAY SRINIVASAN	21N31A0403	understanding Google Cloud Security and Operations	25-11-2022
96	D.SAI KUMAR REDDY	21N31A0461	Programming for Everybody (Getting Started with Python)	OCT 20,2022

Participation in inter-institute events by students of the program of study 2021-2022

MALLA REDDY COLLEGE OF ENGINEERING AND TECHNOLOGY

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

Student Internship Training :: 2021-2022

S.NO.	ROLL NO	NAME	COMPANY NAME	DOJ	TYPE	A.Y.	DURATION
1	18N31A04P0	V BHARGAV RAM	WIPRO	11-04-2022	OFFER	2021-22	3 MONTHS
2	18N31A04M6	T SWAMY	WIPRO	11-04-2022	OFFER	2021-22	3 MONTHS
3	18N31A04H1	P SRIVIDYA	CAPGEMINI	28-02-2022	INTERNSHIP	2021-22	3 MONTHS
4	18N31A0414	VAISHNAVI BALU REDDY	COGNIZANT	05-03-2022	INTERNSHIP	2021-22	3-6 MONTHS
5	18N31A04A2	CH PADMA MALIKA	CAPGEMINI	02-03-2022	INTERNSHIP	2021-22	60 DAYS
6	18N31A0405	A SAI NITHIN KUMAR	CAPGEMINI	02-03-2022	INTERNSHIP	2021-22	60 DAYS
7	18N31A04P5	Y ADARSH	COGNIZANT	05-03-2022	INTERNSHIP	2021-22	3-6 MONTHS
8	18N31A0452	D UMAKANTH	COGNIZANT	17-02-2022	INTERNSHIP	2021-22	3-6 MONTHS
9	18N31A0475	G RAMYA	VIRTUSA	28-01-2022	INTERNSHIP	2021-22	3 MONTHS
10	18N31A0490	K KIRAN	COGNIZANT	18-02-2022	INTERNSHIP	2021-22	3-6 MONTHS
11	18N31A04P4	V LAKSHMI VINAY	COGNIZANT	18-02-2022	INTERNSHIP	2021-22	3-6 MONTHS
12	19N35A0423	U SAI HEMA	COGNIZANT	18-02-2022	INTERNSHIP	2021-22	3-6 MONTHS
13	19N35A0422	S KARTHIK	COGNIZANT	18-02-2022	INTERNSHIP	2021-22	3-6 MONTHS
14	18N31A04J3	P PRASHANTH	COGNIZANT	18-02-2022	INTERNSHIP	2021-22	3-6 MONTHS
15	18N31A04N3	V M V S PRASAD RAJU	COGNIZANT	17-02-2022	INTERNSHIP	2021-22	3-6 MONTHS
16	19N35A0420	P VINAY RAHUL	COGNIZANT	18-02-2022	INTERNSHIP	2021-22	3-6 MONTH

17	19N35A0421	RAVI VIGNESH IYER	COGNIZANT	18-02-2022	INTERNSHIP	2021-22	3-6 MONTHS
18	18N31A0432	B KIRAN KUMAR	COGNIZANT	12-02-2022	INTERNSHIP	2021-22	3-6 MONTHS
19	18N31A04B7	KOTHAPALLY NAVYA SAI	COGNIZANT	18-02-2022	INTERNSHIP	2021-22	3-6 MONTHS
20	18N31A0488	JOSHNA REDDY	COGNIZANT	18-02-2022	INTERNSHIP	2021-22	3-6 MONTHS
21	18N31A04F6	N GAYATRI	COGNIZANT	17-02-2022	INTERNSHIP	2021-22	3-6 MONTHS
22	18N31A04J4	P TEJASWINI	COGNIZANT	12-02-2022	INTERNSHIP	2021-22	3-6 MONTHS
23	18N31A04L1	SK JAFFER ALI	COGNIZANT	12-02-2022	INTERNSHIP	2021-22	3-6 MONTHS
24	18N31A04J9	R LOHITH KUMAR	COGNIZANT	12-02-2022	INTERNSHIP	2021-22	3-6 MONTHS
25	18N31A04E0	M THARUN	COGNIZANT	14-02-2022	INTERNSHIP	2021-22	3-6 MONTHS
26	18N31A04P6	Y SANDEEP	COGNIZANT	12-02-2022	INTERNSHIP	2021-22	3-6 MONTHS
27	18N31A04F5	V NANDINI	COGNIZANT	17-02-2022	INTERNSHIP	2021-22	3-6 MONTHS
28	18N31A04H1	P SRIVIDYA	COGNIZANT	18-02-2022	INTERNSHIP	2021-22	3-6 MONTHS
29	18N31A04G6	O RUCHITHA	COGNIZANT	12-02-2022	INTERNSHIP	2021-22	3-6 MONTHS
30	18N31A0487	J PHANI MAHESH	COGNIZANT	12-02-2022	INTERNSHIP	2021-22	3-6 MONTHS
31	18N31A0404	A MANOHAR	COGNIZANT	12-02-2022	INTERNSHIP	2021-22	3-6 MONTHS
32	19N35A0402	B RESHMA RANI	COGNIZANT	12-02-2022	INTERNSHIP	2021-22	3-6 MONTHS
33	18N31A04F8	N MANICHARAN	VISTEX	14-02-2022	INTERNSHIP	2021-22	60 DAYS

MALLA REDDY COLLEGE OF ENGINEERING AND TECHNOLOGY				
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING				
Student Value added Courses :: 2021-2022				
S.No	Name of student	Roll Number	Name of the certification	Certicate recieved date
1	SATHVIK RENGONDA	21N31A04K2	Student Coordinator	March 5,2022
2	SATHVIK RENGONDA	21N31A04K2	Collage Making	December 24,2021
3	RANJITH THALLAPALLI	21N31A04N3	Introduction to database and sql	Dec 19 2022
4	RANJITH THALLAPALLI	21N31A04N3	C++ application	Dec 19 2022

5 FACULTY INFORMATION AND CONTRIBUTIONS (200)

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	Asso Type
1	Dr Surampudi Srinivasa Rao	ARWPS7682K	ME/M. Tech and PhD	14/05/2013	Electronics and Communication Engineering	11	8	3	Professor	01/08/2013	01/08/2013	Regu
2	Dr T Venugopal	ADJPT5057C	ME/M. Tech and PhD	22/08/2002	Electronics and Communication Engineering	0	0	0	Professor	01/03/2021	01/03/2021	Regu
3	Dr K Mallikarjuna Lingam	AEOPL5051N	ME/M. Tech and PhD	14/12/2020	IMAGE &VIDEO PROCESSING	2	0	0	Professor	23/12/2020	18/09/2007	Regu
4	DR.SADANAND YADAV	AIEPY5599E	ME/M. Tech and PhD	27/07/2020	SPWSN	5	0	0	Associate Professor	14/06/2022	14/06/2022	Regu
5	Dr. PADALA VANITHA	CCEPP9766L	ME/M. Tech and PhD	01/10/2018	ES&VLSI	1	0	0	Associate Professor	10/06/2021	10/06/2021	Regu
6	Dr. B. JYOTHI	ALLPB5452D	ME/M. Tech and PhD	17/11/2017	IMAGE PROCESSING	5	0	0	Professor	06/06/2019	01/07/2005	Regu
7	Dr. G. SRINIVASA NAVEEN KUMAR	AMEPG9046Q	ME/M. Tech and PhD	14/12/2020	IMAGE &VIDEO PROCESSING	13	3	0	Professor	15/07/2022	19/11/2008	Regu
8	Dr.R. CHINNA RAO	AICPR8197B	ME/M. Tech and PhD	20/12/2021	SPEECH PROCESING	3	0	0	Associate Professor	07/07/2022	04/10/2014	Regu
9	Dr. N. SUBASH	AQLPN8438Q	ME/M. Tech and PhD	18/04/2019	IMAGE PROCESSING	10	1	0	Associate Professor	15/07/2022	25/06/2018	Regu
10	Dr. M.ARUN KUMAR	APEPM9843E	ME/M. Tech and PhD	10/11/2021	VLSI & SIGNAL PROCESSING	7	0	0	Associate Professor	07/07/2022	14/07/2010	Regu
11	V.KIRAN KUMAR	AFUPV2026C	M.E/M.Tech	10/02/2010	EMBEDDED SYSTEMS	3	0	0	Associate Professor	15/06/2016	02/11/2005	Regu
12	M. RAMANJANEYULU	AIGPM0730R	M.E/M.Tech	24/12/2002	ETCE	0	0	0	Associate Professor	13/06/2018	01/07/2013	Regu
13	M. SREEDHAR REDDY	AQPPR6158R	M.E/M.Tech	27/11/2009	SIGNALS & SYSTEM PROCESSING	0	0	0	Associate Professor	13/06/2018	01/11/2008	Regu
14	P. ANITHA	BIGPP8737A	M.E/M.Tech	10/02/2010	VLSI SYSTEM DESIGN	9	0	0	Associate Professor	13/06/2018	14/07/2010	Regu
15	P. SWETHA	BMQPP0293M	M.E/M.Tech	11/01/2010	DECS	5	0	0	Associate Professor	13/06/2018	15/11/2010	Regu
16	D.ASHA	ATAPD1372R	M.E/M.Tech	18/12/2009	DECS	1	0	0	Associate Professor	12/06/2017	21/12/2009	Regu
17	K.SURESH	CYQPS3822N	M.E/M.Tech	17/04/2010	VLSI SYSTEM DESIGN	0	0	0	Associate Professor	06/06/2019	26/07/2010	Regu
18	N. SARITHA	AIJPN2663F	M.E/M.Tech	07/08/2013	SYSTEMS & SIGNAL PROCESSING	1	0	0	Associate Professor	06/06/2019	17/06/2008	Regu
19	CH. KIRAN KUMAR	AQGPC0961Q	M.E/M.Tech	05/01/2012	VLSI SYSTEM DESIGN	12	0	0	Associate Professor	06/06/2019	01/07/2014	Regu

20	V. SHIVA RAJA KUMAR	APSPV6856N	M.E/M.Tech	21/03/2012	DECS	0	0	0	Associate Professor	15/07/2022	01/06/2016	Regu
21	E. MAHENDER REDDY	ABHPE9262A	M.E/M.Tech	19/04/2012	VLSI SYSTEM DESIGN	0	0	0	Associate Professor	15/07/2022	05/11/2016	Regu
22	RENJU PANICKER	AVNPP9911H	M.E/M.Tech	10/11/2012	SSP	3	0	0	Associate Professor	15/07/2022	15/06/2013	Regu
23	K. DEVAKI KRUSHNA AJAY	BSYPK4036M	M.E/M.Tech	06/11/2012	SSP	2	0	0	Associate Professor	15/07/2022	09/11/2012	Regu
24	G. VAIDEHI	AGTPG0136G	M.E/M.Tech	28/12/2015	EMBEDDED SYSTEMS	0	0	0	Assistant Professor		13/06/2016	Regu
25	NEHA THAKUR	AGWPT8697A	M.E/M.Tech	25/10/2011	VLSI DESIGN	11	0	0	Assistant Professor		02/01/2019	Regu
26	MANDA NAGMA	CYYPM1401K	M.E/M.Tech	10/10/2016	VLSI & ES	0	0	0	Assistant Professor		01/02/2017	Regu
27	K. BHAVANA	COAPK6993N	M.E/M.Tech	10/12/2016	COMMUNICATION SIGNAL PROCESSING	1	0	0	Assistant Professor		28/12/2016	Regu
28	NILOFER	AZNPN0795P	M.E/M.Tech	26/06/2019	VLSI & ES	1	0	0	Assistant Professor		01/06/2019	Regu
29	DEEPIKA SATHPUTE	FYXPS3189G	M.E/M.Tech	10/02/2015	EMBEDDED SYSTEMS	1	0	0	Assistant Professor		20/02/2020	Regu
30	A DILEEP	AKXPA6274B	M.E/M.Tech	10/01/2013	VLSI SYSTEM DESIGN	0	0	0	Assistant Professor		30/11/2021	Regu
31	D SANTHOSH KUMAR	CGTPK8910L	M.E/M.Tech	31/12/2011	VLSI DESIGN	0	0	0	Assistant Professor		13/09/2021	Regu
32	KEESARA VIJAYA BHARATHI	CDXPK8740F	M.E/M.Tech	10/10/2017	DECS	0	0	0	Assistant Professor		16/12/2021	Regu
33	ANAND KUMAR DR	AOHPD9729G	M.E/M.Tech	06/02/2012	EMBEDDED SYSTEMS	0	0	0	Assistant Professor		20/12/2021	Regu
34	PERIYAMUTHAIAH SAKTHIVEL	BXAPS6116H	M.E/M.Tech	28/07/2005	WIRELESS TECHNOLOGIES	3	0	0	Assistant Professor		05/07/2019	Regu
35	R RAMYA SMRUTHI	BPMPR9238F	M.E/M.Tech	10/12/2018	EMBEDDED SYSTEMS	0	0	0	Assistant Professor		10/06/2019	Regu
36	RALLABANDI SATHISH KUMAR	AYYPR7911H	M.E/M.Tech	01/11/2012	EMBEDDED SYSTEMS	0	0	0	Assistant Professor		16/08/2022	Regu
37	AISHWARYA MALLEPOGU	CNSPM3199M	M.E/M.Tech	07/11/2013	DSCE	1	0	0	Assistant Professor		30/07/2022	Regu
38	LOKESWARA RAO MINISKAR	CUIPM3577N	M.E/M.Tech	28/05/2018	CSP	0	0	0	Assistant Professor		12/07/2022	Regu
39	PILLY RAJUBABU	CFRPP9209J	M.E/M.Tech	12/10/2016	EMBEDDED SYSTEMS	0	0	0	Assistant Professor		08/07/2022	Regu
40	SANKU REVATHI	JKSPS3521R	M.E/M.Tech	10/10/2017	DIGITAL ELECTRONICS & COMM SYSTEMS	0	0	0	Assistant Professor		27/07/2022	Regu

41	HINDOL BHATTACHARJEE	CHWPP1726R	M.E/M.Tech	15/07/2019	VLSI DESIGN & MICRO ELECTRONICS	3	0	0	Assistant Professor		06/07/2022	Regu
42	M. ANUSHA	ASWPM6305N	M.E/M.Tech	07/05/2012	VLSI SYSTEM DESIGN	0	0	0	Associate Professor	06/06/2019	06/07/2011	Regu
43	SRINIVAS TALLASILA	ARMPT6909Q	M.E/M.Tech	10/01/2014	VLSI SYSTEM DESIGN	7	0	0	Assistant Professor		02/07/2015	Regu
44	MARAM ANANTHA GUPTA	BJDPG2374N	M.E/M.Tech	22/01/2016	VLSI DESIGN	1	0	0	Assistant Professor		10/06/2016	Regu
45	S. RAJANI	DXTPS1091A	M.E/M.Tech	12/08/2015	SYSTEM & SIGNAL PROCESSING	0	0	0	Assistant Professor		04/01/2016	Regu
46	NALLA SURESH	AMGPN9572Q	M.E/M.Tech	02/02/2012	DIGITAL ELECTRONICS & COMM SYSTEMS	0	0	0	Assistant Professor		12/12/2018	Regu
47	TRIVEDI ANIKET	AOAPT3005N	M.E/M.Tech	04/04/2012	DIGITAL ELECTRONICS	0	0	0	Assistant Professor		27/06/2019	Regu
48	DODLA NOOTHANA	BWZPD4909H	M.E/M.Tech	11/01/2021	EMBEDDED SYSTEMS	0	0	0	Assistant Professor		22/02/2021	Regu
49	BOMMAGANI SRUJANA	CPGPB7660Q	M.E/M.Tech	10/10/2016	SYSTEMS & SIGNAL PROCESSING	0	0	0	Assistant Professor		13/12/2016	Regu
50	NAIMISHA BOLLOJU	BPEPB3676M	M.E/M.Tech	12/11/2014	ES & VLSI	0	0	0	Assistant Professor		06/04/2015	Regu
51	DR. C. RAVISHANKAR REDDY	BWYPR4083D	ME/M. Tech and PhD	12/12/2016	VLSI	2	0	0	Professor	19/07/2019	19/07/2017	Regu
52	DR SUCHARITHA M	BYMPS6225C	ME/M. Tech and PhD	10/11/2016	ECE	5	0	0	Associate Professor	02/02/2018	02/02/2018	Regu
53	SANAPALA ARUNA KUMARI	BRPPS7829Q	M.E/M.Tech	05/01/2012	COMMUNICATION SYSTEMS	0	0	0	Associate Professor	12/06/2017	27/12/2007	Regu
54	RAVICHANDER B	AXIPB2340M	M.E/M.Tech	11/03/2013	VLSI & ES	0	0	0	Assistant Professor		13/09/2019	Regu
55	CHEEKATLA ASHWINI	AWDPC0821C	M.E/M.Tech	10/08/2015	VLSI & ES	0	0	0	Assistant Professor		05/06/2019	Regu
56	NAMADI SWETHA	AWFPN0974P	M.E/M.Tech	10/02/2017	CESP	0	0	0	Assistant Professor		01/07/2019	Regu
57	K. MOUNIKA	CRZPM4678N	M.E/M.Tech	10/10/2016	VLSI & ES	0	0	0	Assistant Professor		28/12/2016	Regu
58	KAMIREDDY RASOOL REDDY	CPMPK3758J	M.E/M.Tech	10/12/2013	ECE	5	0	0	Assistant Professor		14/06/2021	Regu
59	M KRISHNA CHAITHANYA	BXDPM0060K	M.E/M.Tech	12/03/2014	EMBEDDED SYSTEMS	0	0	0	Assistant Professor		22/01/2019	Regu
60	MANASA VEENA T	AJHPT0108J	M.E/M.Tech	10/12/2014	CESP	10	0	0	Assistant Professor		04/07/2022	Regu
61	Dr ANUP DEY	BQXPD2897Q	ME/M. Tech and PhD	14/08/2021	VLSI & ES	1	0	0	Associate Professor	06/07/2022	06/06/2022	Regu

62	Dr. VM SENTHILKUMAR	BMFPS4203M	ME/M. Tech and PhD	10/05/2017	ECE	1	0	0	Professor		27/01/2018	Regu
63	KOUSHIL REDDY KUSUPATINAGA	BTYPK9070Q	M.E/M.Tech	10/11/2014	VLSI DESIGN	0	0	0	Assistant Professor		18/04/2022	Regu
64	DR.S.SASIKANTH	CJRPS4561E	M.E/M.Tech	10/12/2018	IMAGE PROCESSING	2	0	0	Associate Professor	06/06/2019	14/08/2018	Regu
65	Dr. B V N S M NAGESH DEEVI	AKIPD9704C	ME/M. Tech and PhD	10/02/2017	ECE	2	0	0	Associate Professor	15/07/2022	04/10/2021	Regu
66	Dr Perla Anitha	CFXPP1864K	ME/M. Tech and PhD	10/01/2022	Digital Systems & Computer Electronics	0	1	0	Associate Professor	28/03/2022	28/03/2022	Regu
67	Dr. G. Anand Kumar	AJUPA5174C	ME/M. Tech and PhD	26/04/2021	Digital Electronics & Communication Systems	0	2	0	Associate Professor	15/06/2022	15/06/2022	Regu
68	Dr. D Nagabhushana Babu	BGXPD5050P	ME/M. Tech and PhD	10/04/2023	Programme in Remote Sensing	0	0	0	Associate Professor	28/04/2023	28/04/2023	Regu
69	Dr. Andhe Satyanarayana Murthy	ARFPA3104P	ME/M. Tech and PhD	10/04/2015	Control Systems	0	0	0	Professor	15/03/2022	15/03/2022	Regu
70	Dr.B.Nageshwar Rao	ALMPB0618A	ME/M. Tech and PhD	25/01/2020	VLSI System Design	6	0	2	Associate Professor	07/02/2022	07/02/2022	Regu

5.1 Student-Faculty Ratio (SFR) (20)

UG

No. of UG Programs in the Department 1

Year of Study	ELECTRONICS AND COMMUNICATION ENGINEERING					
	CAY (2024-25)		CAYm1 (2023-24)			
	Sanction Intake	Actual admitted through lateral entry students	Sanction Intake	Actual admitted through lateral entry students	Sanction Intake	Actual
2nd Year	120	12	120	12	240	24
3rd Year	120	12	240	24	240	24
4th Year	240	24	240	24	240	24
Sub-Total	**480**	**48**	**600**	**60**	**720**	**72**
Total	**528**		**660**		**792**	
Grand Total	528		660		792	

PG

No. of PG Programs in the Department 1

Year of Study	VLSI AND EMBEDDED SYSTEMS		
	CAY(2024-25)	CAYm1(2023-24)	
	Sanction Intake	Sanction Intake	
1st Year	18	24	24
2nd Year	24	24	24
Total	**42**	**48**	**48**
Grand Total	42	48	48

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)	570	Sum total of all (UG+PG) students	708	Sum total of all (UG+PG) students	840
No. of Faculty in the Department(F)	41	F1	60	F2	69
Student Faculty Ratio(SFR)	13.90	SFR1=S1/F1	12.17	SFR2=S2/F2	11.80
Average SFR	12.62	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 correspond
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)	41	0
CAYm1(2023-24)	60	0
CAYm2(2022-23)	69	0

Average SFR for three assessment years :   12.62

Assessment SFR :   20

5.2 Faculty Cadre Proportion (20)

Year	Professors		Associate Professors		
	Required F1	Available	Required F2	Available	Required F3
CAY(2024-25)	3.00	6.00	6.00	8.00	19.00
CAYm1(2023-24)	3.00	7.00	7.00	11.00	23.00
CAYm2(2022-23)	4.00	8.00	9.00	11.00	28.00
Average Numbers	3.33	7.00	7.33	10.00	23.33

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

5.3 Faculty Qualification (20)

	X	Y	F	FQ = 2 x [(10X + 4Y) / F)]
2024-25(CAY)	14	27	28.00	17.71
2023-24(CAYm1)	18	42	35.00	19.89
2022-23(CAYm2)	19	50	41.00	19.02

Average Assessment :   18.87

5.4 Faculty Retention (10)

Description	2023-24 (CAYm1)	2024-25 (CAY)
No of Faculty Retained	59	40
Total No of Faculty	42	42
% of Faculty Retained	140	95

Average :   118.00

Assessment Marks :   10.00

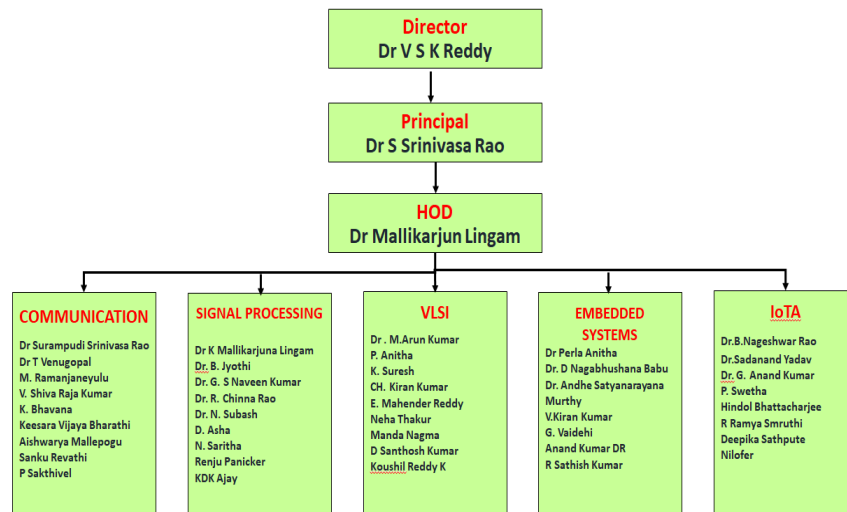**5.5 Faculty competencies in correlation to Program Specific Criteria** (10)

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

(List the program specific criteria and the competencies (specialization, research publications, course developments etc.,) of faculty to correlate the program specific criteria and competencies.)

The Program Specific Outcomes (PSOs) of the department are given below:

PSO1
To develop a student community who acquire knowledge by ethical learning and fulfil the societal and industry needs in various technologies of core field.
PSO2
To nurture the students in designing, analysing and interpreting required in research and development with exposure in multi-disciplinary technologies in order to mould them as successful industry ready engineers/entrepreneurs.
PSO3
To empower students with all round capabilities who will be useful in making nation strong in technology, education and research domains

Director
Dr V S K Reddy

Principal
Dr S Srinivasa Rao

HOD
Dr Mallikarjun Lingam

COMMUNICATION	SIGNAL PROCESSING	VLSI	EMBEDDED SYSTEMS	IoTA
Dr Surampudi Srinivasa Rao	Dr K Mallikarjuna Lingam	Dr . M.Arun Kumar	Dr Perla Anitha	Dr.B.Nageshwar Rao
Dr T Venugopal	Dr. B. Jyothi	P. Anitha	Dr. D Nagabhushana Babu	Dr.Sadanand Yadav
M. Ramanjaneyulu	Dr. G. S Naveen Kumar	K. Suresh	Dr. Andhe Satyanarayana	Dr. G. Anand Kumar
V. Shiva Raja Kumar	Dr. R. Chinna Rao	CH. Kiran Kumar	Murthy	P. Swetha
K. Bhavana	Dr. N. Subash	E. Mahender Reddy	V.Kiran Kumar	Hindol Bhattacharjee
Keesara Vijaya Bharathi	D. Asha	Neha Thakur	G. Vaidehi	R Ramya Smruthi
Aishwarya Mallepogu	N. Saritha	Manda Nagma	Anand Kumar DR	Deepika Sathpute
Sanku Revathi	Renju Panicker	D Santhosh Kumar	R Sathish Kumar	Nilofer
P Sakthivel	KDK Ajay	Koushil Reddy K		

RESPONSIBILITIES:

- Each Domain Team is responsible for organizing workshops, seminars for II, III or IV ECE Students in Odd/Even Semester and make the students industry ready engineers.
- Each Domain Team is responsible for applying Research Proposals to Government Organizations like DST, CSIR, AICTE etc.,
- Each Domain Team is responsible for establishing Centre of Excellence in their respective domains and initiate In-House Mini/Major Projects.
- Faculty members impart their domain specific knowledge to the students for helping them to excel in academics and encourage them to participate in various events like Smart India Hackathons, Paper presentation, Project Presentation, etc.
- Each Domain Team is responsible to organize fdpsto the faculty members and publish research papers in their respective domain.
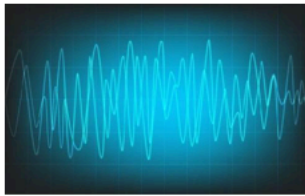
The faculty members have a strong research background, having published their work in prestigious journals such as Springer and IEEE. They have also received funding from various companies for consultancy projects. With extensive research exposure, they have authored numerous resea and presented their findings at national and international conferences both in India and abroad.

The faculty members actively participate in Faculty Development Programs (FDPs) to enhance their knowledge in the latest research fields. They are also involved in developing the departments website, maintaining individual Google Scholar profiles, gathering student feedback, managing au organizing technical events. Additionally, faculty members contribute to enriching the central library by recommending the latest books to benefit both students and staff.

Faculty recruitment is conducted in accordance with university-prescribed norms, ensuring selection from diverse specializations well-suited to the academic programs. The program-specific criteria are aligned with faculty competencies, demonstrated through their areas of expertise, patents fi participation in FDPs, workshops, and conferences, as well as the development of products in specialized domains. Detailed information is presented under the cluster categories in the tables below.

FACULTYSPECIALIZATIONS:

S.No	Name of the Faculty	Designation	Domain Cluster	Attainment of psos
COMMUNICATIONSDOMAINCLUSTER				
1	DR SURAMPUDI SRINIVASA RAO	Professor	Communications	
2	DR T VENUGOPAL	Professor	Communications	
3	M. RAMANJANEYULU	AssociateProfessor	Communications	
4	V. SHIVA RAJA KUMAR	AssociateProfessor	Communications	
5	K. BHAVANA	AssistantProfessor	Communications	
6	KEESARA VIJAYA BHARATHI	AssistantProfessor	Communications	
7	AISHWARYA MALLEPOGU	AssistantProfessor	Communications	
8	SANKU REVATHI	AssistantProfessor	Communications	
9	P SAKTHIVEL	AssistantProfessor	Communications	PSO1,PSO2,PSO3

S.No	Name of the Faculty	Designation	Domain Cluster	Attainment of psos
SIGNAL PROCESSING DOMAIN CLUSTER				
10	DR K MALLIKARJUNA LINGAM	Professor	Signal Processing	
11	DR. B. JYOTHI	Professor	Signal Processing	
12	DR. G. S NAVEEN KUMAR	Associate Professor	Signal Processing	
13	DR. R. CHINNA RAO	Associate Professor	Signal Processing	
14	DR. N. SUBASH	Associate Professor	Signal Processing	
15	D. ASHA	Associate Professor	Signal Processing	
16	N. SARITHA	Associate Professor	Signal Processing	
17	RENJU PANICKER	Associate Professor	Signal Processing	
18	KDK Ajay	Associate Professor	Signal Processing	PSO1,PSO2,PSO3

S.No	Name of the Faculty	Designation	Domain Cluster	Attainment of psos
VLSI DESIGN CLUSTER				
19	DR . M.ARUN KUMAR	Associate Professor	VLSI DESIGN	
20	P. ANITHA	Associate Professor	VLSI DESIGN	
21	K. SURESH	Associate Professor	VLSI DESIGN	
22	CH. KIRAN KUMAR	Associate Professor	VLSI DESIGN	
23	E. MAHENDER REDDY	Associate Professor	VLSI DESIGN	
24	NEHA THAKUR	Associate Professor	VLSI DESIGN	
25	MANDA NAGMA	Assistant Professor	VLSI DESIGN	
26	D SANTHOSH KUMAR	Assistant Professor	VLSI DESIGN	
27	KOUSHIL REDDY K	Assistant Professor	VLSI DESIGN	PSO1,PSO2,PSO3

S.No	Name of the Faculty	Designation	Domain Cluster	Attainment of psos
EMBEDDED SYSTEM CLUSTER				
28	DR PERLA ANITHA	Associate Professor	ES	
29	DR. D NAGABHUSHANA BABU	Associate Professor	ES	
30	DR. ASN MURTHY	Associate Professor	ES	
31	V.KIRAN KUMAR	Associate Professor	ES	
32	G. VAIDEHI	Associate Professor	ES	
33	ANAND KUMAR DR	Assistant Professor	ES	
34	R SATHISH KUMAR	Assistant Professor	ES	PSO1,PSO2,PSO3

S.No	Nameof the Faculty	Designation	Domain Cluster	Attainment of psos
		IOTA CLUSTER		
35	DR.B.NAGESHWAR RAO	Professor	IOTA	
36	DR.SADANAND YADAV	Associate Professor	IOTA	
37	DR. G. ANAND KUMAR	Associate Professor	IOTA	
38	P. SWETHA	Associate Professor	IOTA	
39	HINDOL BHATTACHARJEE	Associate Professor	IOTA	
40	R RAMYA SMRUTHI	Assistant Professor	IOTA	
41	DEEPIKA SATHPUTE	Assistant Professor	IOTA	
42	NILOFER	Assistant Professor	IOTA	PSO1,PSO2,PSO3

RESEARCH PUBLICATIONS:

To encourage faculty members to engage in research activities, the department has successfully organized Springer's International Conference on Soft Computing and Signal Processing (ICSCSP) annually in 2022, 2023, and 2024. Faculty members are actively involved in various activities rel which help enhance their competencies and align their expertise with the Program Specific Criteria. The detailed information about these conferences is provided below.

RESEARCH PUBLICATIONS IN NATIONAL/INTERNATIONAL CONFERENCES

NATIONAL/INTERNATIONAL CONFERENCES FOR THE ACADEMIC YEAR:2021-22

Sl. No.	Name of the Faculty	Names of Authors (as Published)	Title of the Paper	National / International	Conference Name	Year of Publication
1	Dr.S.Srinivasa Rao	Swetha Pinjerla, Dr.S.Srinivasa Rao, Dr.P.Chandrasekhar Reddy	Sampling Rate Conversion Techniques-A Review	International	IEEE International Conference on Recent Trends in Computer Science and Technology	2022
2	Dr.S.Srinivasa Rao	R Chinna Rao, Dr PVY Jayasree , Dr S Srinivasa Rao	Spread Spectrum Based Speech Steganography Using RDWT	International	2nd International Conference on Electronics and Sustainable Communication Systems ICESC	2021
3	Dr. B Jyothi	Jyothi B, Sucharitha M, Anitha Patibandla	Low complexity and high speed Montgomery Multiplication based on FFT	International	International Conference on Signal Processing, Communications and System Design	2021
4	Dr.V.M.SenthilKumar	V.M.SenthilKumar, Ravindrakumar Selvaraj, S. Sasikanth, Ekkirala Kranti Kumar	Quantification of Urinary Bladder for Early Detection of Hazard in Oliguric Patient under Dialysis using Embedded System	International	Proceedings of the International Conference on Computational Intelligence and Sustainable Technologies	2022
5	Dr. S. Sasikanth	V.M.SenthilKumar, Ravindrakumar Selvaraj, S. Sasikanth, Ekkirala Kranti Kumar	Quantification of Urinary Bladder for Early Detection of Hazard in Oliguric Patient under Dialysis using Embedded System	International	Proceedings of the International Conference on Computational Intelligence and Sustainable Technologies	2022
6	Dr. M. Sucharitha	Jyothi B, Sucharitha M, Anitha Patibandla	Low complexity and high speed Montgomery Multiplication based on FFT	International	International Conference on Signal Processing, Communications and System Design	2021
		R Chinna Rao, Dr PVY	Spread Spectrum		2nd International Conference on	

7	Dr. R. Chinna Rao	R Chinna Rao, Dr PVY Jayasree , Dr S Srinivasa Rao	Based Speech Steganography Using RDWT	International	Electronics and Sustainable Communication Systems ICESC	2021
8	P Anitha	Anitha Patibandla	A Review on the Detection of the Post COVID-19 Symptoms for Long Term Diseased Patients using Machine Learning Algorithms	International	Journal of Physics: Conference Series	2022
9	P Anitha	Jyothi B, Sucharitha M, Anitha Patibandla	Low complexity and high speed Montgomery Multiplication based on FFT	International	International Conference on Signal Processing, Communications and System Design	2021
10	P. Swetha	Swetha Pinjerla, Dr.S.Srinivasa Rao, Dr.P.Chandrasekhar Reddy	Sampling Rate Conversion Techniques-A Review	International	IEEE International Conference on Recent Trends in Computer Science and Technology	2022
11	D. Asha	D. Asha, Y. Madhavee Latha	Content-Based Video Retrieval System Using DWHT Multi-Feature Vector	International	AICTE Sponsored 7th International Conference on "Signal Processing, Communications And System Design	2022
12	Renju Panicker	Renju Panicker, Sellakkutti Suganthi	Inverse Hilbert Fractal-Metamaterial Rings for Microstrip Antennas and Wideband Applications	International	IEEE International Symposium on Antennas and Propagation and USNC-URSI Radio Science Meeting in Denver	2022
13	Renju Panicker	Renju Panicker, Sellakkutti Suganthi	Progression of Metamaterial for Microstrip Antenna Applications: A Review	International	International conference on Intelligent Systems and Sustainable Computing(ICISSC-2021), Intelligent Systems and	2021

					Sustainable Computing	
14	Ajay KDK	Ajay KDK, V Malleswara Rao	Recent Techniques in Image Retrieval: A Comprehensive Survey	International	International Conference on Signal Processing, Communications and System Design	2021
15	Ch Kiran Kumar	Chinthakindi Kiran Kumar, Gaurav Sethi, Kirti Rawal	Motion detection and tracking of surveillance videos under distorted environments	International	Intelligent Circuits and Systems	2021
16	Ch Kiran Kumar	Chinthakindi Kiran Kumar, Gaurav Sethi, Kirti Rawal	An Effective Approach for Object Detection using Deep Convolutional Networks	International	International Conference on. Breakthrough in Heuristics and Reciprocation of Advanced Technologies (IEEE Conference),	2022
17	T Srinivas	Talasila, Srinivas, Rawal, Kirti Sethi, Gaurav	Disease Classification in Black gram Crop Using CNN Transfer Learning	International	International Conference on "Intelligent Circuits and Systems	2022
18	T Srinivas	Talasila, Srinivas, Rawal, Kirti Sethi, Gaurav	Plant Leaf Disease Detection and Classification Systems Using CNN Architectures	International	International Conference on Recent Trends In Smart And Sustainable Agriculture For Food Security	2022
19	T Srinivas	Talasila, Srinivas, Rawal, Kirti Sethi, Gaurav	Blackgram Plant Leaf Disease Dataset	International	Mendeley Data	2021
20	T Srinivas	Talasila, Srinivas, Rawal, Kirti Sethi, Gaurav	Conventional Data Augmentation Techniques for Plant Disease Detection and Classification Systems	International	International Conference on Intelligent Systems & Sustainable Computing	2021

NATIONAL/INTERNATIONAL CONFERENCES FOR THE ACADEMIC YEAR:2022-23

Sl. No.	Name of the Faculty	Names of Authors (as Published)	Title of the Paper	National / International	Conference Name	Year of Publication
1	Dr. B. Jyothi	Jyothi, B., Sucharitha, M., P. Anitha	Wavelet-Based Colon Polyp Detection Using Support Vector Machine Classifier	International	Intelligent Manufacturing and Energy Sustainability, Smart Innovation, systems and Technologies	2023
2	Dr. GS Naveen Kumar	VCR Pala, S Kamatagi, S Jangiti, K Swaraja, KR Madhavi, GSN Kumar	Yoga pose recognition with real time correction using deep learning	International	International Conference on Sustainable Computing and Data Communication Systems (ICSCDS)	2023
3	Dr. GS Naveen Kumar	P Kapu, AS Chouhan, S Talasila, GSN Kumar, CK Kumar	A Systematic Comprehension of DL Models for Categorizing Plant Diseases	International	International Conference on Soft Computing and Signal Processing, 529-540	2023
4	Dr. Sadanand Yadav	Shubhangi Palekar, Sadanand Yadav, Vinay Kumar, Ashwin Kothari	Sensing Range Analysis in Non-Conventional WSNs: MI Communication	International	Recent Trends in Electronics and Communication:Sele ct Proceedings of VCAS 2020	2022
5	Dr. Sadanand Yadav	Utkarsh Sharma, Nimish Nigam, Ujjawal Kumar, Vinay Kumar, Sadanand Yadav, Ashish Pandey, Rakesh Kumar Singh	Abnormality Detection in Heart Using Combination of CNN, RNN and U-Net	International	International Conference on VLSI, Communication and Signal processing	2022
6	Dr. M. Sucharitha	Jyothi, B., Sucharitha, M., P. Anitha	Wavelet-Based Colon Polyp Detection Using Support Vector Machine Classifier	International	Intelligent Manufacturing and Energy Sustainability, Smart Innovation, systems and Technologies	2023

7	Dr. Nemani Subash	Anakhi Hazarika, KDK. Ajay, Nemani Subash	A Survey towards implementing Smart Campus	International	Intelligent Manufacturing and Energy Sustainability, Smart Innovation, systems and Technologies	2023
8	P. Anitha	Jyothi, B., Sucharitha, M., P. Anitha	Wavelet-Based Colon Polyp Detection Using Support Vector Machine Classifier	International	Intelligent Manufacturing and Energy Sustainability, Smart Innovation, systems and Technologies	2023
9	P. Anitha	Anitha Patibandla	A Review on the Detection of the Post COVID-19 Symptomsfor Long Term Diseased Patients using Machine Learning Algorithms	International	4th International Conference on Intelligent Circuits and Systems	2022
10	P. Swetha	P. Swetha	Sampling Rate Conversion Techniques-A Review	International	4th International Conference on Intelligent Circuits and Systems Science and Technology, ICRTCST 2021	2022
11	CH. Kiran Kumar	CK Kumar, K Rawal	A Brief Study on Object Detection and Tracking	International	Journal of Physics: Conference Series	2022
12	CH. Kiran Kumar	CK Kumar, G Sethi, K Rawal	An Effective Approach for Object Detection Using Deep Convolutional Networks	International	2022 International Conference on Breakthrough in Heuristics And Reciprocation of Advanced Technologies (BHARAT)	2022
13	T Srinivas	S Talasila, G Vijaya Kumar, E Vijaya Babu,	The Hybrid Model of LSB—Technique in Image Steganography	International	International Conference on Soft Computing and	2023

		K Nainika, M Veda Sahithi, ...	...rgency... Using AES and RSA Algorithms		...Signal Processing, 403-413	
14	Renju Panicker	Renju Panicker, Sellakkutti Suganthi	Inverse Hilbert Fractal-Metamaterial Rings for Microstrip Antennas and Wideband Applications	International	IEEE International Symposium on Antennas and Propagation and USNC-URSI Radio Science Meeting in Denver	2022
15	KDK. Ajay	Anakhi Hazarika, KDK. Ajay, Nemani Subash	A Survey towards implementing Smart Campus	International	Intelligent Manufacturing and Energy Sustainability, Smart Innovation, systems and Technologies	2023
16	Neha Thakur	Neha Thakur, H Murthy	Simulation study of droplet formation in inkjet printing using ANSYS FLUENT	International	Journal of Physics: Conference Series	2022

NATIONAL/INTERNATIONALCONFERENCES FOR THE ACADEMIC YEAR:2023-24

Sl. No.	Name of the Faculty	Names of Authors (as Published)	Title of the Paper	National / International	Conference Name	Year of Publication
1	Dr B. Jyothi	Sucharitha.M, B.Jyothi, Arunkumar Madupu, Padala Vanitha	Deep learning Detection of Autism Spectrum disorder in Children and Adults	International	3rd International Conference on Intelligent Systems & Sustainable Computing(ICISSC-2023)	2023
2	Dr B. Jyothi	M. Sucharitha, Sunitha Tappari, B. Jyothi, Arunkumar Madupu	Lung Cancer Detection Using Hybrid Methods of Otsu-Based PSO Algorithm Combined with ACO Algorithm	International	Soft Computing and Signal Processing: Proceedings of 6th ICSCSP 2023, Volume 1: 864 (Lecture Notes in Networks and Systems)	2024
3	Dr. GS Naveen Kumar	RR Akula, GSN Kumar	Optimizing Intrusion Detection Systems Using Deep Learning and Genetic Algorithms for Network Traffic Analysis: A Survey	International	International Conference on Internet of Things and Connected Technologies ...	2024
4	Dr Arunkumar Madupu	T.Vasudeva Reddy, R.Anirudh Reddy, P.Rajesh, Arun Kumar Madupu, S.Harshika, E.Sathwik	Evaluating AODV and DSDV Routing Protocols for Enhanced Performance in Wireless Sensor	International	3rd International Conference on Innovative Mechanisms for Industry Applications (ICIMIA 2023)-IEEE Conf. Proceedings	2023
5	Dr Arunkumar Madupu	Sucharitha.M, B.Jyothi, Arunkumar Madupu, Padala Vanitha	Deep learning Detection of Autism Spectrum disorder in Children and Adults	International	3rd International Conference on Intelligent Systems & Sustainable Computing(ICISSC-2023)	2023
			Lung Cancer Detection		Soft Computing and Signal Processing:	

6	Dr Arunkumar Madupu	M. Sucharitha, Sunitha Tappari, B. Jyothi, Arunkumar Madupu	Using Hybrid Methods of Otsu-Based PSO Algorithm Combined with ACO Algorithm	International	Proceedings of 6th ICSCSP 2023, Volume 1: 864 (Lecture Notes in Networks and Systems)	2024
7	Dr.Nemani Subash	Dr.Nemani Subash, Sushanth Samala, Shivani Tumu and Sooraj Puppala	Wheat Leaf Disease Detection Using CapsnetInAgritech	International	The Second International Conference on Cyber Physical Systems, Power Electronics and Electric Vehicles (ICPEEV 2024)	2024
8	Dr. Nemani Subash	Bikku Ramavath, Dr.SrikanthKadainti& Dr. Nemani Subash	Sentiment Analysis using Multi Head Self-Attention Mechanism Based Bidirectional Gated Recurrent Unit	International	International Conference on Intelligent Algorithms for Computational Intelligence Systems (IACIS)	2024
9	Dr.Nemani Subash	Rani Swarna Teja, M.Shailaja, Krushima Soma, Dr.Nemani Subash &B.Lakshmi Bhavani	Image Segmentation Enhanced with IoT: Implementation, Innovations, and Insights	International	Intelligent Systems and Sustainable Computing (ICISSC)	2024
10	Dr. Sadanand Yadav	Vivek Rai, Gaurav Kumar, Ankit Kumar Kushwaha, Ashish Pandey, Vinay Kumar, Sadanand Yadav	TrALPR: Automatic License Plate Recognition using Transformers	International	2023 International Conference on Modeling, Simulation & Intelligent Computing (MoSICom)	2023
11	Anitha Patibandla	Anitha Patibandla, Kirti Rawal, Gaurav Sethi	A Review on the Detection of the Novel Coronavirus Using Machine Learning Techniques	International	International Conference on Information System Design & Intelligent Applications--ISDIA-2024	2024
			Enhancing Disaster		Soft Computing and	

12	Anitha Patibandla	Dr.A.Mummoorthy, Dr. P. Balamurugan, Ms.Anitha	Response: A Dual-Drone Approach for Efficient Area Scanning and Life Detection	International	Signal Processing Proceedings of 7th ICSCSP 2024, Volume 2	2024
13	Anitha Patibandla	Patibandla A,Rawal, K., Sethi, G	An Efficient Methodology for Preprocessing of COVID-19 Images Using BM3D Technique	International	International Conference on Soft Computing and Signal Processing-2023	2023
14	CH. Kiran Kumar	P Kapu, AS Chouhan, S Talasila, GSN Kumar, CK Kumar	A Systematic Comprehension of DL Models for Categorizing Plant Diseases	International	International Conference on Soft Computing and Signal Processing	2023
15	CH. Kiran Kumar	ARURU SAI KUMAR, V. Bharath Sreenivasulu, Kiran Kumar CH, Kondeti Keerthi, Shivani Kethapelly, Ragidimilli Sai Abhinav	Quantum Transport Analysis of Nanosheet FETs Utilizing 2D Semiconductor Materials	International	International Conference on Soft Computing and Signal Processing	2024
16	CH. Kiran Kumar	Dr. Chevella Anil Kumar, Ambati Pravallika, N Neelima, Kiran Kumar CH	Fusion of Pyramid Real Image Denoising Network and Residual Encoder-Decoder for Cutting-edge Image Restoration for Advancing Industry	International	International Conference on Soft Computing and Signal Processing	2024
17	CH. Kiran Kumar	CK Kumar, G Sethi, K Rawal	Advancements in Object Detection and Tracking Techniques: A Comprehensive Review in Variable Illumination Conditions	International	Intelligent Circuits and Systems for SDG 3–Good Health and well-being	2024
18	CH. Kiran Kumar	CK Kumar, G Sethi, K	Deep Network Architectures for	International	Intelligent Manufacturing and Energy Sustainability:	2023

	Sri Kiran Kumar	Rawal	Object Detection and Tracking: A Review	International	Sustainability: Proceedings of ICIMES 2022, Springer	2023
19	Neha Thakur	Neha Thakur, N. Thomas, A. M. Koshy, P. Swaminathan, H. Murthy	NiO-Graphene Thin Films by Inkjet Printing for Sensing Applications	International	ICTN KLC 2K23	2023
20	Sakthivel P	Sakthivel P, Dr.S Ramasamy, Dr. V Sumathy	A review of Artificial intelligence in the internet of things	National	Book chapter5	2024
21	Hindol Bhattacharjee	H Bhattacharjee, A Dey, A Saha, P Meher	Threshold Voltage Analysis of E-mode Recessed p-GaN Gate HEMT-A Simulation Based Study	International	2023 IEEE Devices for Integrated Circuit (DevIC) IEEE	2023
22	Dr.B.Nageshwar Rao	Dr.B.Nageshwar Rao, K. Vishnuvardhan Reddy, B.Swetha, V.Thrimurthulu	An Effective Investigation on Comprehensive Methodology of Design and Execution for the Development of a Raspberry Pi-based Mini-PC for Enhanced Productivity using IoT Technology	International	Proceedings of the Ninth International Conference on Communication and Electronics Systems (ICCES-2024)	2024

RESEARCH PUBLICATIONS IN NATIONAL/INTERNATIONAL JOURNALS

NATIONAL/INTERNATIONAL JOURNALS FOR THE ACADEMIC YEAR:2021-22

Sl. No.	Name of the Faculty	Names of Authors (as Published)	Title of the Paper	National / International	Journal Name	Year of Publication
1	Dr S Srinivasa Rao	Sasikanth Shanmugam, Srinivasa Rao Surampudi	A method for detecting and classifying the tumor regions in brain MRI images using vector index filtering and ANFIS classification process	International	International Journal of Imaging System Technology	2022
2	Dr S Srinivasa Rao	Maram Anantha Guptha, Surampudi Srinivasa Rao, Ravindrakumar Selvaraj	An Efficient Discrete Wavelet Transform Architecture With Low Power And Multiplier-Less Structure For Biomedical Image Processing Application	International	Journal Of Harbin Institute Of Technology	2022
3	Dr S Srinivasa Rao	Suneetha, Ch, S. Srinivasa Rao, and K. S. Ramesh	Clusters-based rendezvousing approach for scheduling the flash crowd transmissions over cognitive radio networks	International	International Journal of Ultra Wideband Communications and Systems	2022
4	Dr, K. Mallikarjuna Lingam	GadhariKeerthana,M. Sucharitha, K. Mallikarjuna Lingam	ECG Signal analysis and Prediction of Heart attack with the help of Optimized Neural Network	International	DogoRangsang Research Journal	2021
5	Dr. K. Mallikarjuna Lingam	Chippa. Prithvi Raj, N. Saritha, Dr. K. Mallikarjuna Lingam	Deep Blind Evaluation of the Quality of The Use Of Graphic Form Analysis	International	Complexity International Journal (CIJ)	2021
6	Dr. S Sasikanth	Sasikanth Shanmugam, Srinivasa Rao Surampudi	A method for detecting and classifying the tumor regions in brain MRI images using vector index filtering and	International	International Journal of Imaging System Technology	2022

		ANFIS classification process			
7	Dr. C. Ravi Shankar Reddy	Dr. C. Ravi Shankar Reddy, P.V. Gopi Kumar	An Energy and Area Efficient IOT Architecture for BioMedical Applications	International	Journal of Interdisciplinary Cycle Research	2022
8	Dr. C. Ravi Shankar Reddy	Adepu Hari Priya, Dr. C. Ravishankar Reddy	Design And Simulation of Semi coupled 12T Transistor Based SRAM Using 15nm Technology	International	Journal of Interdisciplinary Cycle Research	2021
9	Dr. GS Naveen Kumar	A Radha Rani, GS Naveen Kumar	Review on cyber networks threat detection systems using different types of advanced techniques	International	International Journal of Food and Nutritional Sciences	2022
10	Dr. M. Sucharitha	GadhariKeerthana,M. Sucharitha, K. Mallikarjuna Lingam	ECG Signal analysis and Prediction of Heart attack with the help of Optimized Neural Network	International	DogoRangsang Research Journal	2021
11	Dr. M. Sucharitha	M.Sucharitha, PHV Sesha Talpa Sai,M. L.R. Chaitanya Lahari, P. Haseena Bee	Computer Assisted System for Detecting Pulmonary Embolism in Lungs	International	International Journal of Recent Technology and Engineering	2021
12	Dr. M. Sucharitha	Reena Thomas and M.Sucharitha	Triangular Vertex Transform Based Watermarking on Contourlet Coefficients for Improved Robustness	International	Turkish Journal of Computer and Mathematics Education	2021
13	Dr N Subash	N. Subash, P. Srikanth	A 4K Resolution-Accomplished FPGA Implementation of Solitary Image Particle Maps	International	DogoRangsang Research Journal	2021
			VLSI Design For Turbo Decoder Module for in			

14	Dr N Subash	N. Subash,V. Ajay	Vehical System Artificial Intelligence and Machine Learning based Robotic ARM using Raspberry Pi	International	Juni Khyat Design Engineering	2021
15	Dr.NageshDeevi	Subodh Panda, Misbahuddin Mahammad, D. Nagesh Deevi, Srinivas Abul	Model Designing of DC Motor Instant Stopping for Robotic and Automation	International	Advances and Applications in Mathematical Sciences	2021
16	Dr.NageshDeevi	V. Prasanth, K. Babulu, Nagesh Deevi	Design and Implementation of Low Power 128 Bit AES Pipelined Encryption Using Clock Gating On	International	Advances and Applications in Mathematical Sciences	2021
17	Dr Arunkumar Madupu	Arunkumar Madupu	VLSI Design of High-Speed HUB Floating-Point Addition using Modified CSLA	International	International Journal of Research and Analytical Reviews (IJRAR)	2021
18	Dr Arunkumar Madupu	Arunkumar Madupu	A Secure Embedded Architecture for Smart Cyber Physical Systems through IoT	International	International journal of analytical and experimental modal analysis	2021
19	Dr. R. Chinna Rao	R. Chinna Rao, K. Mohana Lakshmi, Ch. Raja, P. Bharat Siva Varma, Ganga Rama Koteswara Rao, Anitha Patibandla	Real-Time Implementation and Testing of VoIP Vocoders with Asterisk PBX Using Wireshark Packet Analyzer	International	Journal of Interconnection Networks	2022
20	V. Kiran Kumar	Kiran Kumar Vemula and S. Neeraja	Block Based Motion Estimation Algorithms: Analysis	International	Advances in Dynamical Systems and Applications (ADSA)	2021
21	P Anitha	R. Chinna Rao, K. Mohana Lakshmi, Ch. Raja, P. Bharat Siva Varma, Ganga Rama Koteswara Rao, Anitha Patibandla	Real-Time Implementation and Testing of VoIP Vocoders with Asterisk PBX Using Wireshark Packet Analyzer	International	Journal of Interconnection Networks	2022
22	P Swetha	Bachina Surendra Babu, Satish Kumar Ramaraj, Karuganti	Extended buffer zone algorithm to reduce rerouting time in	International	ACTA IMEKO	2022

22	P Swetha	Kamaraj, Karaganti Phani Rama Krishna, Pinjerla Swetha	rerouting time in biotelemetry systems using sensing	International	ACTA IMEKO	2022
23	N. Saritha	Chippa. Prithvi Raj, N. Saritha, Dr. K. Mallikarjuna Lingam	Deep Blind Evaluation of the Quality of The Use Of Graphic Form Analysis	International	Complexity International Journal (CIJ)	2021
24	T Srinivas	Talasila Srinivas, Rawal, Kirti Sethi, Gaurav	PLRSNet: A Semantic Segmentation Network for Segmenting Plant Leaf Region under Complex Background	International	International Journal of Intelligent Unmanned Systems	2021
25	Dr. M Anantha Guptha	Maram Anantha Guptha, Surampudi Srinivasa Rao, Ravindrakumar Selvaraj	An Efficient Discrete Wavelet Transform Architecture With Low Power And Multiplier-Less Structure For Biomedical Image Processing Application	International	Journal Of Harbin Institute Of Technology	2022
26	Neha Thakur	Neha Thakur, Hari Murthy	Simulation study of droplet formation in inkjet printing using ANSYS FLUENT	International	Journal of Physics, IOP Publishing	2022
27	Neha Thakur	Dr. Hari Murthy, Neha Thakur, Dr Nisha Shankhwar	Nickel-Based Conductive Inks for Flexible Electronics A Review on Resent Trends	International	Journal of Advanced Manufacturing Systems	2021
28	Neha Thakur	Neha Thakur, Dr. Hari Murthy	Nickel-based inks for Inkjet Printing: A Review on Latest Trends	International	American Journal of Material Science	2021
29	Neha Thakur	Neha Thakur, Dr. Hari Murthy	An overview on 3D Printed Medicine	International	Material Science Research India	2021
30	K. Rasool Reddy	K. Rasool Reddy, ravindraDhuli	Segmentation and Classification of brain tumors from MRI images based on adaptive mechanisms and ELDP feature	International	Biomedical Signal and Control	2022

			descriptor				

NATIONAL/INTERNATIONAL JOURNALS FOR THE ACADEMIC YEAR:2022-23

Sl. No.	Name of the Faculty	Names of Authors (as Published)	Title of the Paper	National / International	Journal Name	Year of Publication
1	Dr. Srinivasa Rao Surampudi	Guptha, Maram Anantha, Surampudi Srinivasa Rao, and Ravindrakumar Selvaraj	An efficient discrete wavelet transform architecture with low power and multiplier-less structure for biomedical image processing application	International	Harbin GongyeDaxueXuebao/Journal of Harbin Institute of Technology	2022
2	Dr. Srinivasa Rao Surampudi	Suneetha, Ch, S. Srinivasa Rao, and K. S. Ramesh	Clusters-based rendezvousing approach for scheduling the flash crowd transmissions over cognitive radio networks	International	International Journal of Ultra Wideband Communications and Systems	2022
3	Dr. B. Jyothi	M. Sucharitha , Reena Thomas, B. Jyothi, Edeh Michael Onyema and Gashaw Bekele	Design and Fabrication of Metallic-Conductive Polymer-Based Hybrid Film Interconnections for Stretchable Electronic Devices	International	International Journal of Polymer Science	2023
4	Dr. M. Sucharitha	M. Sucharitha , Reena Thomas, B. Jyothi, Edeh Michael Onyema and Gashaw Bekele	Design and Fabrication of Metallic-Conductive Polymer-Based Hybrid Film Interconnections for Stretchable Electronic Devices	International	International Journal of Polymer Science	2023
5	Dr. GS Naveen Kumar	G RAJU, GS Naveen Kumar	A SURVEY ON VIDEO ANALYTICS SYSTEM USING DEEP LEARNING	International	Industrial Engineering Journal	2023
6	Dr. GS Naveen Kumar	A RadhaRani, GS Naveen Kumar	IMPLEMENTATION OF AN INTRUSION DETECTION SYSTEM APPLICATION OF DEEP	International	International Journal of Research and Analytical Reviews	2023

7	Dr. GS Naveen Kumar	M Ajay Kumar, GS Naveen Kumar	AN EFFECTIVE CONTENT BASED VIDEO RETRIEVAL USING DEEP LEARNING	International	Industrial Engineering Journal	2023
8	Dr.N.Subash	Dr.N.Subash, Yeldi Agasthya	Implementation of Low-Power Approximate Unsigned Multipliers with Configurable Error Recovery	International	Journal of Applied Science and Computations	2022
9	Dr Arunkumar Madupu	R. Chinna Rao, Padala Vanitha, Arunkumar Madupu, Pala Mahesh Kumar	Speech Steganography Using DWT with IPDP-MLE Approach for Defence Applications	International	JOURNAL OF ALGEBRAIC STATISTICS	2022
10	Dr. R. Chinna Rao	R. Chinna Rao, Padala Vanitha, Arunkumar Madupu, Pala Mahesh Kumar	Speech Steganography Using DWT with IPDP-MLE Approach for Defence Applications	International	JOURNAL OF ALGEBRAIC STATISTICS	2022
11	Dr. Sadanand Yadav	Vinay Kumar, Sadanand Yadav, Anand Sharma, Arun Prakash, Rajeev Tripathi, Dushantha Nalin K Jayakody	3D-multilayer magneto-inductive transceiver coil structure and optimal placement of relays for non-conventional media	International	Wireless Networks, Springer	2022
12	Dr. Padala Vanitha	R. Chinna Rao, Padala Vanitha, Arunkumar Madupu, Pala Mahesh Kumar	Speech Steganography Using DWT with IPDP-MLE Approach for Defence Applications	International	JOURNAL OF ALGEBRAIC STATISTICS	2022
13	Dr. Anup Dey	Mandira Biswas, Anup Dey and Subir Kumar Sarkar	Polyaniline Based Field Effect Transistor for Humidity Sensor	International	Silicon, Springer Nature	2022
14	Kiran Kumar Vemula	Vemula, Kiran Kumar, and S. Neeraja	An Efficient Multilevel Transform-Domain Partial Distortion Search Algorithm	International	Pattern Recognition and Image Analysis	2022
	Kiran Kumar	Vemula, Kiran Kumar,	A fast partial distortion-based		Signal, Image and	

15	Vemula	and S. Neeraja	motion estimation algorithm	International	Video Processing	2022
16	P. Swetha	BS Babu, SK Ramaraj, KPR Krishna, P Swetha	Extended buffer zone algorithm to reduce rerouting time in biotelemetry systems using sensing	International	Acta IMEKO,	2022
17	Neha Thakur	Neha Thakur, Murthy H., Shankhwar	Nickel-Based Inks for Flexible Electronics — A Review on Recent Trends	International	Journal of Advanced Manufacturing Systems	2022
18	T Srinivas	S Talasila, K Rawal, G Sethi	Deep Learning-Based Leaf Region Segmentation Using High-Resolution Super HAD CCD and ISOCELL GW1 Sensors	International	Journal of Sensors 2023 (1), 1085735	2023
19	Hindol Bhattacharjee	Chakraborty, Arindam, Hindol Bhattacharjee, Rajiv Ganguly,and Monojit Mitra	Junction temperature management of white pcLED at high temperature industrial ambient under tropical conditions: a simulation-based study	International	International Journal of Nanoparticles	2022
20	K. Rasool Reddy	K. Rasool Reddy, Ravindra Dhuli	"Detection of brain tumors from MR images using fuzzy thresholding and texture feature descriptor	International	The Journal of Supercomputing	2023
21	K. Rasool Reddy	K. Rasool Reddy, Batchu Raj Kumar, Polinati Srinivasu, Bavirisetti Durga Prasad	Design of a medical decision-supporting system for the identification of brain tumors using entropy-based thresholding and non-local texture features	International	Frontiers in Human Neuroscience	2023
		K. Rasool Reddy, and	A Novel Lightweight CNN Architecture for			

22	K. Rasool Reddy	K. Rasool Reddy, and Ravindra Dhuli	the Diagnosis of Brain Tumors Using MR Images	International	Diagnostics	2023
23	K. Rasool Reddy	K.Sowjanya, K.Rasool Reddy and M.Raveena	A New Distinctive Methodology for the Classification of Brain MR Images Using Histogram Based Local Feature Descriptor	International	International Journal of Computing and Digital Systems	2023
24	ThaticharlaManasa veena	Amin Khodaei, Baraa Riyadh Altahan, ThaticharlaManasave nna, Putcha Poorna Priya, Merugumalli Rama Krishna, Shaik Hasane Ahammad, Hossain Md. Amzad, Ahmed Nabih Zaki Rashed* and Walid Fahim Zidan	Empirical laser measured with optical coherent quadrate amplitude modulation receiver for upgrading fiber optic systems	International	Journal of Optical Communications	2022
25	ThaticharlaManasa veena	Ahmed Nabih Zaki Rashed, Baraa Riyadh Altahan, ThaticharlaManasave nna, Ganesan Shanmugapriya, P. Poorna Priya, M. Rama Krishna, S.K. Hasane Ahammad, Md. Amzad Hossain*, Vishal Sorathiya, Lassaad K. Smirani and Ahmed Helmy Said	Different mode operations based all optical fiber amplifiers with optical differential polarization quadrature phase shift keying transmitter	International	Journal of Optical Communications	2022
26	ThaticharlaManasa	Ahmed Nabih Zaki Rashed*, Baraa Riyadh Altahan, ThaticharlaManasave nna, S. K. Hasane Ahammad, P. Poorna	Grating index difference (GID) and order based distributed feedback	International	Journal of Optical	2022

	veena	Priya, M. Rama Krishna, Md. Amzad Hossain*, Vishal Sorathiya, Lassaad K. Smirani and Said Mohammed Said	laser effects on coarse wavelength division multiplexing optical fiber systems		Communications	
27	ThaticharlaManasa veena	Ahmed Nabih Zaki Rashed*, Baraa Riyadh Altahan, ThaticharlaManasave nna, P. Poorna Priya, M. Rama Krishna, SK Hasane Ahammad, Md. Amzad Hossain* and Salah Mohsen	Single fiber grating profile multi scan parameters for the optimization of grating parameters by using OptiGrating simulation	International	Journal of Optical Communications	2022
28	ThaticharlaManasa veena	Ahmed Nabih Zaki Rashed*, Baraa Riyadh Altahan, ThaticharlaManasave nna, Shaik Hasane Ahammad, Putcha Poorna Priya, Merugumalli Rama Krishna, Hossain Md. Amzad*, Lassaad K. Smirani and Huda Said Abdelhami	High-speed passive optical networks performance signature in downstream direction based on the engagement of both nonlinear cross-phase modulation (XPM) and cross-gain modulation (XGM) techniques	International	Journal of Optical Communications	2022
29	ThaticharlaManasa veena	Ahmed Nabih Zaki Rashed*, Baraa Riyadh Altahan, ThaticharlaManasave nna, Pala Kalyani, P. Poorna Priya, M. Rama Krishna, S. K. Hasane Ahammad, Md. Amzad Hossain*, Lassaad K. Smirani and Eslam Fahmy Shetea	Electro-optic power/signal quality optimization based on the interaction between electro-optic modulators and electrical filters	International	Journal of Optical Communications	2022
		Ahmed Nabih Zaki Rashed*, Baraa Riyadh Altahan,	Multi-mode step graded index fibers			

30	ThaticharlaManasa veena	ThaticharlaManasave nna, P. Poorna Priya, M. Rama Krishna, S.K. Hasane Ahammad, Md. Amzad Hossain* and Marwa Hamed Amin	performance parameters (attenuation/dispersio n/mode field) measurements by using OptiFiber simulation	International	Journal of Optical Communications	2022
31	ThaticharlaManasa veena	Ahmed Nabih Zaki Rashed*, Baraa Riyadh Altahan, ThaticharlaManasave nna, P. Poorna Priya, M. Rama Krishna, S. K. Hasane Ahammad, Md. Amzad Hossain*, Pratap Kumar Dakua, Deepak Kumar Panda and Amany Hossain	Ideal single mode laser operation with single drive conventional/phase shift Mach–Zehnder modulators measured in optical access networks	International	Journal of Optical Communications	2022
32	ThaticharlaManasa veena	Ahmed Nabih Zaki Rashed*, Baraa Riyadh Altahan, ThaticharlaManasave nna, Putcha Poorna Priya, Merugumalli Rama Krishna, Shaik Hasane Ahammad, Md. Amzad Hossain* and Aya Mousad	Optical fiber communication system links performance enhancement for high-speed data transmission through short-reach applications	International	Journal of Optical Communications	2022
33	ThaticharlaManasa veena	Ahmed Nabih Zaki Rashed*, Baraa Riyadh Altahan, ThaticharlaManasave nna, P. Poorna Priya, M. Rama Krishna, S. K. Hasane Ahammad, Md. Amzad Hossain* and Walid Fahim Zidan	Simulation of ultra long reach and high speed date rate optical wireless multiplexing communication systems based on various modulation codes	International	Journal of Optical Communications	2022
		Dr. B. NAGESHWAR RAO BANDI, Prof. V. VIJAYAKUMAR	IoT sensors and		scientific	

34	Dr.B.Nageshwar Rao	DASARI, Prof. NAVEEN KUMAR NAVURI, Mr. SRIKANTH	Devices	International	international publishing house	Nov-22
35	Dr.B.Nageshwar Rao	V.VijayakumarDasari ,Dr.B.Nagshwar Rao	An Effective Investigation on Resource Management Optimization and Case Study on smart IoT Agriculture	International	Futuristic Trends in IOT	2022
36	Dr.B.Nageshwar Rao	Dr.T.VAMSHI A.SHIVAKRISHNA ,Dr.B.NAGESHWAR RAO	An effective strategy for area-efficient nano-AES implementation for internet-of-things devices	International	Journal of Emerging Technologies and Innovative Research	2022
37	Dr.B.Nageshwar Rao	Dr.T.VAMSHI A.SHIVAKRISHNA ,Dr.B.NAGESHWAR RAO	An effective investigation on reliable CRC-based error detection constructions for finite field multipliers with applications in cryptography	International	Journal of Emerging Technologies and Innovative Research	2022

NATIONAL/INTERNATIONAL JOURNALS FOR THE ACADEMIC YEAR:2023-24

Sl. No.	Name of the Faculty	Names of Authors (as Published)	Title of the Paper	National / International	Journal Name	Year of Publication
1	Dr. Srinivasa Rao Surampudi	Swetha Pinjerla, Surampudi Srinivasa Rao, PutthaChandrasekhar Reddy	Design of energy efficient and reconfigurable sample rate converter using FPGA devices	International	Indonesian Journal of Electrical Engineering and Computer Science,	2024
2	Dr. Srinivasa Rao Surampudi	Chinnarao Rayudu, Jayasree P.V.Y., Srinivasa Rao S.	Hybrid Speech Steganography System using SS-RDWT with IPDP-MLE approach	International	Soft Computing, Springer	2024
3	Dr. Srinivasa Rao Surampudi	P Venkatapathi, H Khan, SS Rao, G Immadi	Cooperative spectrum sensing performance assessment using machine learning in cognitive radio sensor networks	International	Engineering, Technology & Applied Science Research	2024
4	Dr. Srinivasa Rao Surampudi	MA Guptha, SS Rao, R Selvaraj	An Efficient Discrete Wavelet Transform Architecture with Low Power and Multiplier-Less Structure for Pervasive Biomedical Image Processing Application	International	EAI Endorsed Transactions on Pervasive Health and Technology	2023
5	Dr. GS Naveen Kumar	GS Naveen Kumar, DB Jagannadha Rao, R Chaumwal Priyanka, S M D	Python -Powered Predictive Analysis in Cardio-Insights	International	International Journal of Multidisciplinary Research in Science, Engineering	2024
6	Dr. GS Naveen Kumar	G Raju, GS Naveen Kumar	NEST: ADVANCED VIDEO-BASED CROWD MONITORING FOR LARGE PUBLIC EVENTS	International	Journal of Nonlinear Analysis and Optimization	2024
		GS Naveen Kumar, DB			International	

7	Dr. GS Naveen Kumar	GS Naveen Kumar, DB Jagannadha Rao, R Chaumwal Priyanka, S M D	Python -Powered Predictive Analysis in Cardio-Insights	International	Journal of Multidisciplinary Research in Science, Engineering	2024
8	Dr. GS Naveen Kumar	G Raju, GS Naveen Kumar	NEST: ADVANCED VIDEO-BASED CROWD MONITORING FOR LARGE PUBLIC EVENTS	International	Journal of Nonlinear Analysis and Optimization	2024
9	Dr. GS Naveen Kumar	G Raju, GS Naveen Kumar	VADNet: A Novel Deep Learning Architecture for Automatic Detection and Classification of Abnormalities from Public Surveillance Videos	International	International Journal of Intelligent Systems and Applications In Engineering	2024
10	Dr. GS Naveen Kumar	G Raju, GS Naveen Kumar	VADNet: A Novel Deep Learning Architecture for Automatic Detection and Classification of Abnormalities from Public Surveillance Videos	International	INTERNATIONAL JOURNAL OF INTELLIGENT SYSTEMS AND APPLICATIONS IN ENGINEERING	2024
11	Dr Arunkumar Madupu	Varadala Sridhar, T. Annamani, M. Renuka, V. Vinay Kumar, Arunkumar Madupu	Bagging ensemble mean-shift Gaussian kernelized clustering based D2D connectivity enabled communication for 5G networks	International	e-Prime - Advances in Electrical Engineering, Electronics	2023
12	Dr. Sadanand Yadav	Sadanand Yadav, Vinay Kumar	SVD compression and energy harvesting based energy efficient 3D-MI-UWSNs	International	Prog. Electromagnet. Res. Lett.	2023

13	Anitha Patibandla	Anitha Patibandla, Kirti Rawal, Gaurav Sethi	Block Matching and 3D Filtering (BM3D) for Preprocessing of CT scans of Covid-19 Lung Images	International	International Journal of Medical Toxicology and Legal Medicine	2024
14	P. Swetha	Swetha Pinjerla, Surampudi Srinivasa Rao, Puttha Chandrasekhar Reddy	Design of energy efficient and reconfigurable sample rate converter using FPGA devices	International	Indonesian Journal of Electrical Engineering and Computer Science,	2024
15	CH. Kiran Kumar	CK Kumar, G Sethi, K Rawal	Adapting to the Dark: A Novel Adaptive Low Light Illumination Correction Algorithm for Video Sequences in Wireless Communications	International	International Journal of Electrical and Electronics Research (IJEER)	2023
16	CH. Kiran Kumar	M Komma, VK Dasari, KS Naidu, MD Sravani	Transform Domain-Based Perceptual Detection and Reduction of Blocking Artifacts	International	International Journal on Recent and Innovation Trends in Computing and Communication	2023
17	Neha Thakur	Neha Thakur, Murthy H.	Acute behavior of the ink physics in inkjet printers	International	International Journal of Science and Research	2023
18	Neha Thakur	Neha Thakur, S. Arumugam, N. Thomas, A. M. Koshy, P. Swaminathan, H. Murthy	Direct Ink Writing of Nickel oxide-based Thin Films for Room Temperature Gas Detection	International	Journal of Semiconductors	2024
19	Neha Thakur	Neha Thakur, P. Swaminathan, Murthy H.,	Numerical and simulation study of droplet mechanism in Inkjet printing for nickel-graphene ink	International	Malaysian Journal of Science	2024
20	Neha Thakur	Neha Thakur, N. Thomas, A. M. Koshy, P. Swaminathan, H. Murthy	Formulation of Nickel Oxide-Graphene composite ink and the fabrication of thin film electrodes using Direct Ink Writing	International	Journal of Electronic Materials	2024

21	Nilofer	Nilofer	Using Machine Learning and AI to Optimize Greenhouse Climate Control for Improved Crop Production	National	JES	2024
22	Sakthivel P	Sakthivel Peiyamuthaiah, Sumathy Vembu	Optimal interference mitigation with deep learning based channel access in wireless body area networks	International	International journal of communication systems	2024
23	Sakthivel P	Sakthivel P, Sumathy V	A parametric analysis of electrometric interference in determining QoS in IoT applications	International	Journal of wireless communications	2024
24	Hindol Bhattacharjee	H Bhattacharjee, A Dey, P Meher	Study and optimising performance of enhancement-mode monolithically integrated white-light HEMT-LED by inserting of InGaN quantum wells	International	International Journal of Numerical Modelling Electronic Networks Devices and Fields	2024
25	M.Aishwarya	Aishwarya	Multi class Alzheimer's diease detection using deep learning technique	International	IJRIT	2023
26	Dr.B Nageshwar Rao	Fazil A. Sheikh Komal BaburaoUmare, S. B G Tilak Babu, K. Aruna, Dr.Bandi Nageshwar Rao, S Karthi sree	Energy-Efficient Communication Protocols for Wireless IoT Networks	International	Frontiers in Health Informatics	2024

FACULTY NPTEL CERTIFICATION COURSES:

S.NO	Name of the Faculty	Name of Course	Organizing Institute
1	Dr K Mallikarjuna Lingam	Introduction to Internet of Things	IIT KHG
2	Dr B. Jyothi	Introduction to Machine Learning	IIT KHARAGPUR
		Introduction to Internet of Things	IIT KHG
		Database Management System	IIT Madras
		Deep Learning	IIT MADRAS
		Python for Data Science	IIT Madras
3	Dr Sadanand Yadav	Data science for engineers	IIT MADRAS
		Data analytics with pyy	IIT ROORKEE
		Joy of Engineering with python	IIT ROPAR
4	Dr Rayudu Chinna Rao	Python for Data Science	IIT MADRAS
		Computer Networks and Internet Protocol	IIT KHARAGPUR
		Introduction to Internet of Things	IIT KHARAGPUR
		Foundation of Cloud IoT Edge ML	IIT KANPUR
5	Madivada Ramanjaneyulu	C Programming and Assembly Language	IIT MADRAS
		Demystifying Networking	IIT BOMBAY
		Introduction to Embedded System Design	IIT MADRAS
		Computer Networks and Internet Protocol	IIT KGP
		Introduction to Internet of Things	IIT KGP
		Cloud Computing	IIT KGP
6	Kiran Kumar Vemula	Machine Learning and Deep Learning - Fundamentals	IIT GUWAHATI
		Introduction to Internet of Things	IIT KHG
		Fundamentals of Artificial Intelligence	IIT GUWAHATI
		Cloud Computing	IIT KHG
		Data Analytics with Python	IIT ROORKEE
7	P Anitha	Cloud computing	IIT Kharagpur
		Introduction to Internet of Things	IIT Kharagpur
		Machine learning	KTH Royal Institute of
8	P. Swetha	Cloud computing	IIT Kharagpur
		Introduction to Internet of Things	IIT Kharagpur
		Introduction to Artificial intelligence	IIT Delhi
		Machine learning	KTH Royal Institute of
9	D Asha	Cloud computing	IIT Kharagpur
		Introduction to Internet of Things	IIT Kharagpur
		Introduction to Artificial intelligence	IIT Delhi
		Machine learning	KTH Royal Institute of
10	N.Saritha	Cloud computing	IIT Kharagpur
		Introduction to Internet of Things	IIT Kharagpur
		Introduction to Artificial intelligence	IIT Delhi

		Machine learning	KTH Royal Institute of
11	K Suresh	Switching Theory and Logical Design	IIT Kharagpur
		Introduction to Internet of Things	IIT Kharagpur
12	Chinthakindi Kiran Kumar	Computer Networks and Internet Protocol	IIT KHARAGPUR
		Introduction to Internet of Things	IIT KHARAGPUR
		Deep Learning	IIT MADRAS
13	Veggalam Shivaraj Kumar	Introduction to Internet of Things	IIT KHARAGPUR
		Introduction to Machine Learning	IIT KHARAGPUR
		Introduction to Research	IIT MADRAS
		Research Ethics	Central University of Himachal
		Computer Networks and Internet Protocol	IIT KHARAGPUR
14	Renju Panicker	Machine learning	KTH Royal Institute of
15	Kdk Ajay	Computer Networks And Internet Protocol	IIT Kharagpur
		Introduction to Embedded System Design	IIT Madras
		C Programming And Assembly Language	IIT Madras
		Introduction to Internet of Things	IIT Kharagpur
16	D Santhosh Kumar	Introduction to Internet of Things	IITKHG
		Data science for Engineering	IITMADRAS
17	G Vaidehi	Programming in Java	IIT Kharagpur
		Python for Data Science	IIT Madras
		Introduction to Database Systems	IIT Madras
		Programming in Python	CEC, New Delhi
18	Hindol Bhattacharjee	Semiconductor device and Circuit	IISC Bengaluru
19	R Ramya Smruthi	Introduction to Internet of Things	IIT Kharagpur
		Introduction to Artificial intelligence	IIT Delhi
		Machine learning	KTH Royal Institute of
20	Kuruva Bhavana	Introduction to internet of things	IIT KHG
		Computer networks and internet protocol	IIT-KHG
		Python for data science	IIT MADRAS
21	Anand Kumar D R	Introduction to Internet of Things	IIT Karaghpur
22	Sanku Revathi	Computer networks and internet protocol	IIT Kharagpur
		Computer architecture	IITM

COURSE DEVELOPMENTS FOR THE ACADEMIC YEAR 2024-2025

BOS MEETING

I. **AGENDA**

- Composition of BOS-ECE
- Discuss the R22 Course Structure and detailed syllabus of III & IV year B.Tech program.
- Discuss the R24 Course Structure and detailed syllabus of II year B.Tech program.
- Discuss the Curriculum structure of M.Tech (VLSI & Embedded Systems) and detailed syllabus of I year M.Tech program.

I. **LIST OF BOS MEMBERS:2024**

S.No	Name of the Member	Designation	Responsibility
1	Dr K Mallikarjuna Lingam	Professor& HOD	Chairman
2	Dr T Venugopal	Dean,Studentwelfare	Member
3	Dr K Anitha Sheela JNTUH Nominee	Professor DeptofECE,JNTUH	Member
4	Dr B Lakshmi AcademicCouncilNominee	Professor Dept of ECE,NIT Warangal	Member
5	Dr Nsreekanth Academic Council Nominee	Professor Dept.of ECE,MRECW	Member
6	Mr N Ramesh Naidu Industry Nominee	Craftronics India Pvt.Ltd	Member
7	Dr B Jyothi	Professor,MRCET	Member
8	Dr M Arun Kumar	Professor,MRCET	Member
9	Dr Sadanand Yadav	Professor,MRCET	Member
10	Ms V Geetha	PG Student	Member

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)

June 25, 2020

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
BOS MEETING

I. AGENDA

1. Discuss the guidelines for the Autonomous Colleges during XII Plan period 2012-17 published by UGC, New Delhi and AICTE Model Curriculum 2018.
2. Composition of BOS-ECE
3. Discuss the Curriculum Structure and detailed Syllabus of First Year B.Tech Program
4. Discuss the curriculum structure of II, III and IV B.Tech Program and detailed Syllabus of II B.Tech Program.
5. Discuss the curriculum structure of M.Tech (VLSI & Embedded Systems) and detailed syllabus of I Year M.Tech program.

II. LIST OF MEMBERS ATTENDED THROUGH ONLINE

S.No	Name of the Member	Designation	Responsibility	Signature
1.	Dr S Srinivasa Rao	Professor & Head	Chairman	
2.	Prof P Sanjeeva Reddy	Director	Member	
3.	Dr T Satya Savithri JNTUH Nominee	Professor Dept. of ECE, JNTUCEH	Member	
4.	Dr TD Bhatt Academic Council Nominee	Professor Dept. Of ECE, MGIT	Member	
5	Sri Ramesh Naidu Industry Nominee	Apply Volt Hyderabad	Member	
6	Dr B Jyothi	Professor,MRCET	Member	
7	Dr K Mallikarjuna Lingam	Professor, MRCET	Member	
8	Dr GS Naveen Kumar	Professor, MRCET	Member	
9	Dr M Sucharitha	Professor, MRCET	Member	
10	Dr VM Senthil Kumar	Professor, MRCET	Member	
11	Dr S Sasikanth	Professor, MRCET	Member	
12	Dr N Subhash	Professor,MRCET	Member	
13	Mrs P Anitha PG Coordinator	Assoc.Prof, MRCET	Member	
14	Mr Harikrishna	PG Student	Member	

MRCET

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)

December 21, 2022.

DEPARTMRNT OF ELECTRONICS AND COMMUNICATION ENGINEERING
BOS MEETING

I. AGENDA

1. Composition of BOS-ECE
2. Discuss the R22-Curriculum structure and detailed syllabus of I & II Year B.Tech Program.
3. Discuss the curriculum structure of M.tech (VLSI & Embedded Systems) and detailed syllabus of I Year M.tech program.

II. LIST OF MEMBERS ATTENDED THROUGH ONLINE

S.No	Name of the Faculty	Designation	Responsibility	Signature
1	Dr K Mallikarjuna Lingam	Professor & Head	Chairman	
2	Prof P Sanjeeva Reddy	Dean, International Studies	Member	
3	Dr T Venugopal	Dean, Students Welfare	Member	
4	Dr L Pratap Reddy JNTU Nominee	Professor & Head Dept. of ECE, JNTUCEH	Member	
5	Dr N Sreekanth Academic Council Nominee	Professor Dept.of ECE, MRECW	Member	
6	Dr P Ashok Babu Academic Council Nominee	Professor Dept.of ECE, IARE	Member	
7	Sri N Ramesh Naidu Industry Nominee	Apply Volt Technologies Territorial Manager	Member	
8	Dr B Jyothi	Professor, MRCET	Member	
9	Dr C Ravi Shankar Reddy	Professor, MRCET	Member	
10	Dr N Subash	Professor, MRCET	Member	
11	Ms Nilofer	PG Student	Member	

MRCET

Maisammaguda, Dhulapally, Secunderabad - 500100, Telangana State, India. **website: www.mrcet.ac.in**
Contact: 9133555162 / 9133555183, E-Mail Id: mrcet2004@gmail.com; **EAMCET/ICET/PGECET Code : MLRD**

COURSE DEVELOPMENTS FOR THE ACADEMIC YEAR 2024-25

I SEMESTER:

S.NO	YEAR	NAME OF THE SUBJECT	SUBJECT FACULTY	COURSE DEVELOPMENT IN-CHARGE
1	IVECE	VLSID	DR M ARUN KUMAR , K SURESH	DR ARUN KUMAR
2		MWE	P SEKTHIVEL , RENJU PANICKER	P SEKTHIVEL
3		ESD	M RAMANJANEYULU ,D SANTOSH KUMAR	MR RAMANJANEYELU
4		RS	DR VANITHA P, VIJAYA BHARATHI	VIJAYA BHARATHI
5		DSPA	DR B JYOTHI ,V KIRAN KUMAR	V KIRAN KUMAR
6		MSC	DR MALLIKARJUNA LINGAM , D ASHA	DR MALLIKARJUNA LINGAM
7		IVP	DR G S NAVEEN KUMAR , D ASHA	D ASHA
8		RFCD	DR SADANAND YADAV , E MAHENDER REDDY	DR SADANAND YADAV
9		VLSID Lab	DR M ARUN KUMAR , K SURESH	K SURESH
10		EM & MW Lab	P SEKTHIVEL , RENJU PANICKER	RENJU PANICKER
11	IIIECE	MPMC	M RAMANJANEYULU , KDK AJAY	KDK AJAY
12		AIML	P ANITHA , K BHAVANA	P ANITHA
13		JAVA PROG	G. VAIDEHI, RAMYA SMRUTHI	G VAIDEHI
14		CS	M SREEDHAR REDDY , NILOFER	NILOFER
15		COOS	RAMYA SMRUTHI , D ASHA	RAMYA SMRUTHI
16		DCCN	CH KIRAN KUMAR , N SARITHA	N SARITHA
17		DD through Verilog HDL	DR ARUN KUMAR, P ANITHA	DR ARUN KUMAR
18		MPMC Lab	M RAMANJANEYULU , KDK AJAY	MR RAMANJANEYELU
19		AIML Lab	P ANITHA , K BHAVANA	K BHAVANA
20	IIECE	AC	DR CHINNA RAO , E MAHENDER REDDY	DR CHINNA RAO
21		S&S	DR N SUBASH , V SHIVA RAJA KUMAR	V SHIVA RAJA KUMAR
22		PTSP	Dr. B V N S M NAGESH DEEVI , N SARITHA	N SARITHA
23		NAS	DR. ANDHE SATYANARAYANA MURTHY , ANAND KUMAR DR	ANAND KUMAR D R
24		DLD	NEHA THAKUR , DEEPIKA S	NEHA THAKUR
25		AC Lab	DR CHINNA RAO , E MAHENDER REDDY	E MAHENDER REDDY
26		DLD lab	NEHA THAKUR , DEEPIKA S	DEEPIKA S
27		BS lab	DR N SUBASH , V SHIVA RAJA KUMAR	V SHIVA RAJA KUMAR

II SEMESTER:

S.NO	YEAR	NAME OF THE SUBJECT	SUBJECT FACULTY	COURSE DEVELOPMENT IN-CHARGE
1	IV ECE	ISE	NEHA THAKUR , DR ARUN KUMAR	DR. SURAMPUDI SRINIVASA RAO
2		AWP	DR VENU GOPAL ,RENJU PANICKER	DR VENU GOPAL
3		DSP	DR SUCHARITHA M , V KIRAN KUMAR	DR SUCHARITHA M
4		VLSI Design	DR SASIKANTH , K SURESH	DR SASIKANTH
5		IOTA	P. SWETHA, DR SADANAND YADAV	P. SWETHA
6	III ECE	EMI	DR VM SENTHI KUMAR , E MAHENDER REDDY	DR VM SENTHI KUMAR
7		MCN	DR. SURAMPUDI SRINIVASA RAO, CH KIRAN KUMAR	DR. SURAMPUDI SRINIVASA RAO
8		FCS	M RAMANJANEYULU , HINDOL BHATTACHARGEE	M RAMANJANEYULU
9		DSP Lab	DR SUCHARITHA M , V KIRAN KUMAR	DR SUCHARITHA M
10		VLSI design Lab	DR SASIKANTH , K SURESH	DR SASIKANTH
11	II ECE	NMCV	DR SARABHA REDDY ,DR RAJESHWAR REDDY	DR SARABHA REDDY
12		EMTL	DR MALLIKARJUNA LINGAM, N SARITHA	DR MALLIKARJUNA LINGAM
13		ADC	P SWETHA , V SHIVA RAJA KUMAR	P SWETHA
14		LDICA	E MAHENDER REDDY , R SATHISH KUMAR	E MAHENDER REDDY
15		ECA	DR CHINNA RAO, DEEPIKA S	DR CHINNA RAO
16		ADC Lab	P SWETHA , V SHIVA RAJA KUMAR	P SWETHA
17		LDICA Lab	E MAHENDER REDDY , R SATHISH KUMAR	E MAHENDER REDDY
18		ECA Lab	DR CHINNA RAO, DEEPIKA S	DR CHINNA RAO

UGC AUTONOMOUS SYLLABUS REPARATION

S.NO	Year/Semester	Name of the Subject	Name of the Faculty
1	II/I	AC	DR CHINNA RAO , E MAHENDER REDDY
2		S&S	DR N SUBASH , V SHIVA RAJA KUMAR
3		PTSP	Dr. B V N S M NAGESH DEEVI , N SARITHA
4		NAS	DR. ANDHE SATYANARAYANA MURTHY , ANAND KUMAR DR
5		DLD	NEHA THAKUR , DEEPIKA S
6		AC Lab	DR CHINNA RAO , E MAHENDER REDDY
7		DLD lab	NEHA THAKUR , DEEPIKA S
8	II/II	NMCV	DR SARABHA REDDY ,DR RAJESHWAR REDDY
9		EMTL	DR MALLIKARJUNA LINGAM, N SARITHA
10		ADC	P SWETHA , V SHIVA RAJA KUMAR
11		LDICA	E MAHENDER REDDY , R SATHISH KUMAR
12		ECA	DR CHINNA RAO, DEEPIKA S
13		ADC Lab	P SWETHA , V SHIVA RAJA KUMAR
14		LDICA Lab	E MAHENDER REDDY , R SATHISH KUMAR
15		ECA Lab	DR CHINNA RAO, DEEPIKA S
16	III/I	MPMC	M RAMANJANEYULU , KDK AJAY
17		AIML	P ANITHA , K BHAVANA
18		CS	M SREEDHAR REDDY , NILOFER
19		JAVA PROG	G VAIDEHI, RAMYA SMRUTHI
20		COOS	RAMYA SMRUTHI , D ASHA
21		DCCN	CH KIRAN KUMAR , N SARITHA
22		DD through Verilog HDL	DR ARUN KUMAR, P ANITHA
23		MPMC Lab	M RAMANJANEYULU , KDK AJAY
24		AIML Lab	P ANITHA , K BHAVANA
25	III/II	AWP	DR VENU GOPAL ,RENJU PANICKER
26		DSP	DR SUCHARITHA M , V KIRAN KUMAR
27		VLSI Design	DR SASIKANTH , K SURESH
28		IOTA	P SWETHA, DR SADANAND YADAV
29		EMI	DR VM SENTHI KUMAR , E MAHENDER REDDY
30		MCN	DR. SURAMPUDI SRINIVASA RAO, CH KIRAN KUMAR
31		FCS	M RAMANJANEYULU , HINDOL BHATTACHARGEE
32		DSP Lab	DR SUCHARITHA M , V KIRAN KUMAR
33		VLSI design Lab	DR SASIKANTH , K SURESH
34	IV/I	MWE	M SREEDHAR REDDY , RENJU PANICKER
35		RS	DR VM SENTHI KUMAR, REVATHI
36		CMOS Analog IC Design	DR RAVI SHAKER REDDY , D SANTOSH KUMAR
37		ANN	DR JYOTHI , D ASHA
38		NSC	DR SASIKANTH , P ANITHA
39		SC	DR S SRINIVASA RAO , P SWETHA
40		BSP	DR G S NAVEEN KUMAR , N SARITHA
41		EM and MW Lab	M SREEDHAR REDDY , RENJU PANICKER
42	IV/II	ISE	DR SRINIVASA RAO , DR ARUN KUMAR
43		DIP	DR JYOTHI , D ASHA
44		5G and beyond	CH KIRAN KUMAR , V KIRAN KUMAR
45		SoCA	P ANITHA , DR SENTHIL KUMAR
46		MDM	DR SUBASH , M ANUSHA

47	ESD	M RAMANJANEYULU , ARUNA KUMARI
48	WSN	DR SRINIVASA RAO , P SWETHA

AWARDS ACHIEVED BY FACULTY

S.No	Name of the Faculty	Award Received	Name of Organization	Date of Receiving Award
1	Dr S Srinivasa Rao	Best Principal Award	Council for Skills and Competencies (Registered with MSME & Certified EduTech by DPIIT)	05-09-2024
2	Dr S Srinivasa Rao	Honorary Fellowship For Visionary Educational Leadership	DevElet Technologies LLP (Registered with MSME & Certified EduTech by DPIIT)	24-01-2025
3	Dr Mallikarjuna Lingam	Emerging Educator of year 2024	DevElet Technologies LLP (Registered with MSME & Certified EduTech by DPIIT)	24-01-2025
4	Dr Chinna Rao	Best Academician Award	Sri Padmavathi school of pharmacy	22.12.2024
5	Dr Arunkumar Madupu	Emerging Researcher Award	DevElet Technologies LLP (Registered with MSME & Certified EduTech by DPIIT)	24-01-2025
6	Anitha Patibandla	Outstanding Woman Educator of the Year 2024	DevElet Technologies LLP (Registered with MSME & Certified EduTech by DPIIT)	24-01-2025

GUEST LECTURES DELIVERED BY FACULTY

S.No	Name of the Faculty	Guest Lecture Topic	Name of Organization	Date
1	Dr Chinna Rao	AI importance in Engineering Applications	Central University of Karnataka	08-02-2024
2	Hindol Bhattacharjee	Semiconductor physics and devices	NIT-Arunachal Pradesh	13/2/2023 to 18/2/2023

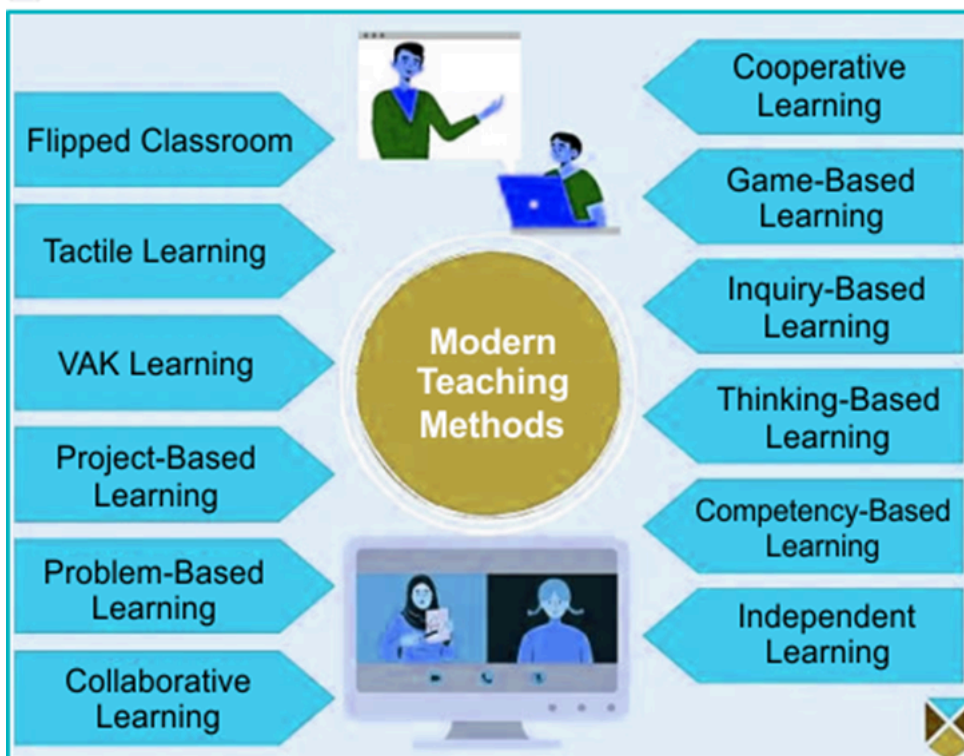**5.6 Innovations by the Faculty in Teaching and Learning** (10)

5.6 Innovations by the Faculty in Teaching and Learning (10)

The teaching methods encompass a diverse array of innovative approaches, pedagogies, and strategies aimed at enhancing learning outcomes, engagement, and student success in education. These methods prioritize active learning, critical thinking, collaboration, and personalized instruction. rote learning and lecture-based instruction. The teaching methods represent a transformative approach to education, reshaping the way students learn and educators teach in the 21st century. By embracing innovative pedagogies, leveraging technology, and prioritizing student-centered dynamic and inclusive learning environments that inspire curiosity, critical thinking, and collaboration. While challenges such as access to technology, teacher training, and assessment remain, the potential of the teaching methods employed revolutionize education and prepare students for world. By continuing to explore and implement evidence-based practices the full potential of these modern teaching methods is imbibed and empowers learners to thrive in the digital age.

The teaching-learning process, or the education process, has been defined as a systematic, sequential, planned course of action on the part of both the teacher and learner to achieve the outcomes of teaching and learning. It is a Combined process where a teacher assesses understandi learning objectives, formulates teaching and memorizing strategies, enforces a plan of work, and assesses the outcomes of the instruction.

The Teaching-Learning process adopts different methods such as experiential learning, participative learning and problem-solving methodologies utilizing ICT facilities, LMS and e-resources. All the academic activities are carried out strictly following the academic and activity calendar.

- Department encourages academic discussions between faculties and students using black board and faculties shares academic study material using it.
- Expert video subject lectures delivered by the various eminent resource persons are available in the digital library and it facilitates the faculty and students to utilize E-Tutorials of NPTEL, MOOCs access E-Journals, Video Conference, etc.
- Faculty members use department library, digital library and other Open-Source platforms to enhance their teaching skills.
- The faculty members are encouraged to participate in short term courses, staff development programs and workshops on advanced topics to keep pace with the advanced level of knowledge and skills.

The Teaching Methods Include:

- **Active Learning:** Active learning involves engaging students in hands-on, interactive activities that encourage them to explore concepts, solve problems, and apply knowledge in real-world contexts. Examples include group discussions, case studies, problem-based learning, and expe
- **Flipped Classroom:** In a flipped classroom model, students learn new concepts independently through online lectures, videos, or readings outside of class, while class time is reserved for collaborative activities, discussions, and application of learning under the guidance of the teache
- **Project-Based Learning (PBL):** Project-based learning involves students working on extended, multidisciplinary projects that address real-world challenges or problems. PBL encourages inquiry, collaboration, and critical thinking skills as students design, research, and present solution
- **Inquiry-Based Learning:** Inquiry-based learning encourages students to ask questions, explore topics, and investigate phenomena through guided inquiry and discovery. Teachers facilitate the learning process by posing open-ended questions, providing resources, and supporting stud
- **Technology Integration:** Modern teaching methods leverage technology to enhance instruction, provide interactive learning experiences, and facilitate communication and collaboration among students and educators. This includes using multimedia resources, online platforms, ed tools to create dynamic learning environments.

- **Differentiated Instruction**: Differentiated instruction involves tailoring teaching methods, content, and assessment to accommodate diverse learning styles, abilities, and interests of students. Teachers provide multiple pathways for learning and offer personalized support to meet indiv
- **Collaborative Learning:** Collaborative learning encourages students to work together in groups or teams to solve problems, complete projects, and achieve common goals.
- Collaborative activities promote communication, teamwork, and interpersonal skills while fostering a sense of community and shared responsibility for learning.
- **Assessment for Learning:** Modern teaching methods emphasize ongoing formative assessment practices that provide timely feedback to students on their progress and understanding. Assessment methods include quizzes, peer evaluations, self-assessments, and performance task student learning.

Modern teaching methods offer several advantages over traditional approaches, catering to diverse learning styles, engaging students more effectively, and preparing them for success in the 21st century. Some key advantages of modern teaching methods include:

- **Enhanced Student Engagement:** Modern teaching methods prioritize active learning, collaboration, and hands-on activities, which increase student engagement and motivation (https://testbook.com/ias-preparation/theories-of-motivation). Students are more likely to participate activ and activities when they feel involved and invested in their learning.
- **Improved Learning Outcomes:** By emphasizing critical thinking, problem-solving, and application of knowledge, modern teaching methods promote deeper understanding and retention of concepts. Students are better able to transfer their learning to real-world contexts and app improved learning outcomes.
- **Personalized Learning:** Modern teaching methods allow for greater flexibility and customization of instruction to meet the individual needs, interests, and learning styles of students. Teachers can differentiate instruction, provide targeted support, and offer varied learning experiences effectively.
- **Development of 21st Century Skills:** Modern teaching methods foster the development of essential 21st-century skills such as communication, collaboration, creativity, and critical thinking. These skills are highly valued in todays workforce and are essential for success in a rapidly ch
- **Preparation for the Digital Age**: With the integration of technology into instruction, modern teaching methods prepare students to navigate and thrive in the digital age. Students gain digital literacy skills, learn to use technology for learning and productivity, and become adept a information.
- **Promotion of Lifelong Learning:** Modern teaching methods cultivate a culture of inquiry, curiosity, and lifelong learning, encouraging students to become independent, self-directed learners. By fostering a growth mindset and a love for learning, these methods empower student classroom.
- **Increased Collaboration and Communication:** Modern teaching methods emphasize collaborative learning experiences, where students work together in groups or teams to solve problems, share ideas, and learn from one another. This promotes the development of communica emotional competencies.
- **Integration of Real-World Contexts:** Modern teaching methods connect learning to real-world contexts and authentic problems, making learning more meaningful and relevant to students lives. Students see the practical applications of their learning and understand how it r aspirations.

Guest lecturers:

- Guest lecturers enable the students in enriching the latest updates regarding avenues for higher studies and jobs as well as the need of the industry. The fascinating lectures on various topics boost the confidence of new aspirants as the lectures ends with motivating question and answ
- Guest lecturers provide an important educational experience for students based on their real-world life experiences. Students get to see the insight and perspective of the guest lecturers' specific field. The format can enable students to interact with professionals in formal and inform interpersonal competence and communicative skills are fostered.
- The colleges invite guest lecturers within the college premises to deliver lectures to the students.
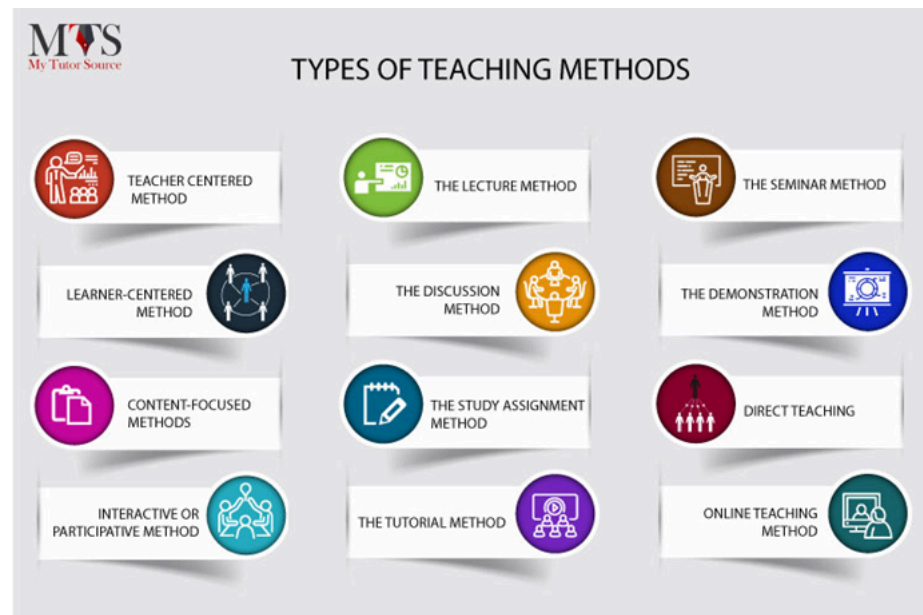
Quality of laboratory experience with regard to conducting experiments

Integrated instructional units interweave laboratory experiences with other types of science learning activities, including lectures, reading, and discussion. Students are engaged in framing research questions, designing and executing experiments, gathering and analyzing data, and constructas they carry out investigations. Diagnostic, formative assessments are embedded into the instructional sequences and can be used to gauge student's developing understanding and to promote their self-reflection on their thinking.

With respect to laboratory experiences, these instructional units share two key features. The first is that specific laboratory experiences are carefully selected on the basis of research-based ideas of what students are likely to learn from them. For example, any particular laboratory activity is likif it engages students' current thinking about the target phenomena and is likely to make them critically evaluate their ideas in relation to what they see during the activity. The second is that laboratory experiences are explicitly linked to and integrated with other learning activities in the usecond feature is that just because students do a laboratory activity, they may not necessarily understand what they have done. Nascent research on integrated instructional units suggests that both framing a particular laboratory experience ahead of time and following it with activities that hexperience are crucial in using a laboratory experience to support science learning.

When a primary goal of a program or course is to train students for jobs in laboratory settings, they must have the opportunity to learn to use and read sophisticated instruments and carry out standardized experimental procedures. The critical questions about acquiring these skills through labwhether laboratory experiences help students learn them, but how the experiences can be constructed so as to be most effective in teaching such skills.

Everyone learns differently, and learning styles can vary from person to person, from visual, to aural, verbal, physical or logical learning styles. But there's one type of learning that benefits most students, and that's practical learning.

When studying, it's important to get a hands-on understanding of the subject and how the theory applies to real-life situations. Practical learning allows the student to quickly adapt for daily challenges and scenarios and allows to get a better understanding of the course topic. The learninginclude enhancing mastery of science subject matter, developing scientific reasoning abilities, increasing understanding of the complexity and ambiguity of empirical work, developing practical skills, increasing understanding of the nature of science, cultivating interest in science and science leabilities.

The research suggests that laboratory experiences will be more likely to achieve these goals if they (1) are designed with clear learning outcomes in mind, (2) are thoughtfully sequenced into the flow of classroom science instruction, (3) integrate learning of science content and process, andreflection and discussion.

Computer-based representations and simulations of phenomena and large scientific databases are more likely to be effective if they are integrated into a thoughtful sequence of classroom instruction that also includes laboratory experiences

Key benefits to practical learning:

1. **Improved Skill Set:**Practical learning, as mentioned above, has the unique ability to help students apply their skills in a non-classroom environment. While it's important to learn the theory of a topic or subject, getting out and applying the theory to a practical situation enables you to buwhich is incredibly beneficial in all subjects but particularly in subjects such as horticulture, aged care and disability care.
2. **Provides Hands-On Experience:**Practical learning gives students the opportunity to gain hands-on experience and put their skills into practice. This is particularly important for students in science, engineering, and technology, where practical experience is crucial for success**.**
3. **Increases Your Understanding:**There are some things that need to be experienced to be understood, and this is true for most subjects. For example, a certificate in aged care may prepare you theoretically, but working one-on-one with a senior citizen in need of your help will give you
4. **Creates a Deeper Impact:**Interactive education in the form of practical learning can strengthen your understanding and comprehension on a subject. While theoretical education utilised textbooks and research papers, practical learning allows you to learn things first hand. Thisunderstanding.
5. **Better Knowledge Retention:**Taking a hands-on approach to learning often results in more ingrained knowledge, with the ability to retain information quickly and for longer periods of time. The reason being that when learning in a theoretical, text-based style, our brains attempt towhich our brains find easier to retain.
6. **Enhances Career Prospects:**Practical learning provides students with real-world skills that employers highly value. It helps them develop competencies and knowledge directly applicable to their chosen careers, making them more attractive candidates in the job market**.**
7. **Encourages Collaboration:**Practical learning often involves working in teams, which helps to develop collaboration and teamwork skills. This is important for success in any career, as many jobs require employees to work closely with others to achieve shared goals
8. **Prepares for Real-World Challenges:**Practical learning helps prepare students for real-world challenges and situations they will encounter in their future careers. It provides a safe and controlled environment for students to develop their skills and build their confidence, preparing them

A comprehensive list of goals for desired outcomes of laboratory experiences:

1. **Enhancing mastery of subject matter:** Laboratory experiences may enhance student understanding of specific scientific facts and concepts and of the way in which these facts and concepts are organized in the scientific disciplines.
2. **Developing scientific reasoning**: Laboratory experiences may promote a student's ability to identify questions and concepts that guide scientific
3. **Understanding the complexity and ambiguity of empirical work**: Interacting with the unconstrained environment of the material world in laboratory experiences may help students concretely understand the inherent complexity and ambiguity of natural phenomena. Laboratory exmaterial world, including troubleshooting equipment used to make observations, understanding measurement error, and interpreting and aggregating the resulting data.
4. **Developing practical skills:** In laboratory experiences, students may learn to use the tools and conventions of science. For example, they may develop skills in using scientific equipment correctly and safely, making observations, taking measurements, and carrying out well-defined sc
5. **Understanding of the nature of experiments:** Laboratory experiences may help students to understand the values and assumptions inherent in the development and interpretation of scientific knowledge, such as the idea that scientific theories, models, and explanations change over
6. **Developing teamwork abilities:** Laboratory experiences may also promote a student's ability to collaborate effectively with others in carrying out complex tasks, to share the work of the task, to assume different roles at different times, and to contribute and respond to ideas.

Ways to encourage bright students

1. **Research projects:**Through detailed research on a project of interest to them, students develop critical thinking expertise, as well as effective analytical research and communication skills, that are incredibly beneficial. Ultimately research is essential to the development of our globalizethe challenge of research, being able to evaluate their findings and learn in depth about an area of interest.
2. **Design Challenges:**Our pupils are encouraged to be open-minded and flexible, thus developing the growth mindset that is so important to developing young mathematicians. The challenge for educators is to encourage this mindset and flexibility so that it stays with these young learne
3. **Academic acceleration:** Instruct them to work ahead to problems of skills that they do not know. To help children learn the value of attaining knowledge in their lives, encourage learning for its own sake, rather than emphasizing the end results or accomplishments. Teach researchskills for flexibility in approach and generation of information; and communication skills for sharing it.
4. **Participation in Academic contests:**Involve students in academic contests. Gifted students tend to be competitive by nature. Therefore, participating in regional and national competitions such as spelling bees, science fairs, and essay competitions will be fun challenges.
5. **Participation in National level Hackathons:**During the Hackathons, students implement their coding ideas in National and State level Hackathons organized by reputed Government and private Institutions. students create animated interactive experiences while learning essential prohow to debug their code. Although this is a challenging activity, many students thrive on this challenge and thoroughly enjoy the experience. Each week students participate in discussion and activities that are intended to help them display their intellectual and independent thinking sassessment or judgement. The aim is to invite various guest speakers and other teachers to join and inspire our discussions.Allow students to pursue independent projects based on their own individual interests. Independent projects can be assigned on the basis of ability level. Encoissues in creative ways.

Ways to encourage weak students

Remedial classes: Remedial classes are designed for students who are struggling to meet the standard academic requirements in specific subjects, and are meant to help them catch up to their peers.Remedial classes are organized in college to assist weak students or the slow learners tounderstand the basic concepts of a course. Individualized attention during remedial classes helps the students to overcome the subject specific difficulties and improve their grades in final examination. The main objective of these classes is to provide student centric education to cater the indivwell-designed strategies. The courses are selected on the basis of previous semester result and level of difficulty. Backlog students and students who voluntarily want to join classes because of difficulty to pace with class are also facilitated with remedial classes.

List of Workshops:

Academic Year	Date of the Event	Name of the Event
2021-22	25-28 April 2022	Workshop on ARDUNIO Programming & Interfacing Hands-on
	29-30 Dec 2021	Two-day hands-on workshop on Python Programming & its Applications for II years
	27-28 Dec 2021	Two-day hands-on workshop on Python Programming & its Applications for II years
	11-13 Nov 2021	AI/ML Workshop for III Year Students
2022-23	10-13 August 2022	4 Days Workshop on AI & ML -Its Algorithms III year
	13th -19th December 2022	6 Day Workshop on AI & ML Using Python II year
	27th, 28th, 29th April & 1st May	4-day Workshop "Technology Workshop on Full Stack Explore"
2023-24	18th & 19th October 2023	Machine Learning using Python for 3rd years
	6th & 7th of March 2024	Two-day workshop on emerging technologies for 2nd yrs
2024-25	September 20-21, 2024	A Two-day workshop on Machine Learning in Association with Intel Unnati - III year
	October 15-17, 2024	A Three-day workshop On Python for II year

List of Hackathon events:

Academic Year	Date of the Event	Name of the Event
2022-23	17th March 2023	Code Infinity- "A National Level 24-Hrs project Hackathon"
2023-24	1st & 2nd of March 2024	Code Infinity- "A National Level 24-Hrs project Hackathon"
2024-25	September 6th, 2024	Internal Hackathon

List of CRT Trainings:

Academic Year	Date of the Event	Name of the Event
2021-22	2-7 May 2022	CRT Training by Logic Works for III Years
	14-19 March 2022	CRT Training by Logic Works for III Years
	13-16 Dec 2021	CRT Traning by Logic Works for III Years
2022-23	9th -11th January 2023	CRT Training by LogicWorks for III year students
	28th Feb- 4th Mar 2023	CRT Training by LogicWorks for III year students
2023-24	31st Oct-4th Nov 2023	CRT 3rd years
	19th to 23rd February 2024	CRT 3rd years

List of Techno-Cultural Fest:

Academic Year	Date of the Event	Name of the Event
2022-23	27th & 28th January 2023	Electrosurge-2K23"Techno cultural Sports Fest"
2023-24	2nd & 3rd February 2024	Electrosurge 2024 "Techno cultural Sports Fest"

List of Programs Organized under Institutions Innovation Council (IIC):

Academic Year	Date of the Event	Name of the Event
2022-23	24th January 2023	Session on " Achieving Problem-Solution fit and Product-Market fit"
	11th February 2023	Expert Talk on " Exploring Systems Thinking for Digital Transformation"
	11th March 2023	Expert Lecture on " Research Opportunities in the Transformation towards
2023-24	28th July 2023	"Incubation Opportunities for Students and Faculties: Early-Stage
	11th November 2023	A Session on Problem Solving and Ideation Workshop
	2nd December 2023	National Pollution Control Day
	13th February 2024	Session on Problem-Solution Fit and Product-Market Fit
	3rd May 2024	Workshop on Prototype/Process Design and Development
2024-25	2nd August 2024	Expert talk on Mentorship Support
	2-3 November 2024	Idea and showcase

Wadhwani Foundation

The Wadhwani Foundation is a non-profit organization dedicated to accelerating economic development by creating jobs and enabling individuals to earn family-sustaining wages. Founded in 2001 by Dr. Romesh Wadhwani, the foundation focuses on several key initiatives:

- **Entrepreneurship**: Assisting aspiring and existing entrepreneurs in starting and growing their businesses through tailored support.
- **Skilling**: Equipping job seekers with modern employability skills to secure well-paying jobs.
- **Innovation and Research**: Promoting academic innovation in advanced technological fields such as artificial intelligence, biotechnology, and advanced computing, facilitating the transition from pioneering research to commercialization.
- **Government Digital Transformation**: Collaborating with governments to implement digital solutions that enhance efficiency and service delivery.

S.No	Faculty Code	Dept	Faculty	II Yr B.Tech	IV Yr B.Tech
1	F(15)	ECE	Dr. Arunkumar Madupu	49(IOT)	-
2	F(16)	ECE	Dr. Rayudu Chinna Rao	18	30
3	F(17)	ECE	Rallabandi Sathish Kumar	18	30
4	F(18)	ECE	K Vijaya Bharathi	18	31
5	F(19)	ECE	S Deepika	18	31
6	F(20)	ECE	Neha Thakur	19	31

List of Industrial Visit:

Academic Year	Date of the Event	Name of the Event
2021-22	16-Dec-21	Industrial Visit to Bharath Electronics Limited, Hyderabad
2022-23	27th Aug 2022	Industrial Visit-Doordarshan Kendra
	4th March 2023	NRSC, Jeedimetla, Hyderabad
2023-24	19th Aug 2023	Industrial Visit-Doordarshan Kendra
	10th Feb 2024	NRSC, Jeedimetla, Hyderabad
2024-25	August 7th & 8th, 2024	Industrial Visit-Doordarshan Kendra
	September 6th, 2024	Industrial Visit-NRSC
	10th January 2025	MSME, balanagar, Hyderabad

List of Technical Events:

Academic Year	Date of the Event	Name of the Event
2021-22	4-5 March 2022	Two Day National Level Technical Symposium ,Electrosurge-2K22
	28-Feb-22	National Science Day-2022
	18-19 March 2022	Project Expo of Final year
	10-Nov-21	My story-Motivational Session by successful innovators
2022-23	13th August 2022	Independent Slogan Competition
	15th September 2022	Engineer's Day Celebrations
	4-5 November 2023	Project Expo of Final year
	9th November 2022	Code Fest-2K22
2023-24	15th September 2023	Engineer's Day
	9th & 10th October 2023	Project Expo of Final year
	20th to 24th November 2023	Boot Camp Final Year
	18th to 20th January 2024	CCNA
	13th March 2024	Viksit Bharat
	22nd March 2024	Expert Talk on Opportunities in Embedded Domain & Career Plan
2024-25	September 15th, 2024	Engineer's Day
	November 1-2, 2024	Project Expo of Final year

List of Techno-Cultural Fest:

Academic Year	Date of the Event	Name of the Event
2022-23	01-Jun-22	Graduation Day-2022
	22nd November 2022	Fiesta 2K22
	25 th February 2023	Alumni Meet 2K23
	25th March 2023	Fiesta & Nostalgia 2K23
2023-24	10th June 2023	Graduation Day
	24 th February 2024	Alumni Meet 2K24
	15th April 2024	Nostalgia 2024-Farewell
	19th April 2024	Let's Celebrate
2024-25	June 15th 2024	Graduation Day

The following online links are made available to the students for their quick reference to prepare for the competitive exams and research work.

VLSI

Introduction to VLSI systems, standford university course handouts lecture slides

http://www.stanford.edu/class/ee271/

Introduction to microelectronics videos from Berkeley university.

http://webcast.berkeley.edu/course_details.php?seriesid=1906978430

Advanced Analog Integrated Circuits Videos from Berkeley university

http://webcast.berkeley.edu/course_details.php?seriesid=1906978393

VHDL

Designers guide from DUOLOS

http://www.doulos.com/knowhow/vhdl_designers_guide/Detailed VHDL tutorial

http://www.vhdl-online.de/tutorial/Links to other links

Several links related to simulation,synthesis EDA tools and so many are given at

http://www.ee.ucla.edu/~hu/links.htm

FPGA Manufacturers

Xilinx :http://www.xilinx.com/

Altera:

http://www.altera.com/

Actel:

http://www.actel.com/Lattice semiconductor: http://www.latticesemi.com/

ATMEL:

http://www.atmel.com/ Xilinx Resources

Xilinx :http://www.xilinx.com/products/devboards/index.htm

IP cores:

http://www.xilinx.com/ipcenter/index.htm

Training:

http://www.xilinx.com/support/education-home.htm

Design tools:

http://www.xilinx.com/products/design_resources/design_tool/index.htm

University program:

http://www.xilinx.com/univ/index.htm

IP Reuse for FPGA Design Rapidly Unravel Internal and Third-Party IP from:

http://www.e-consultancy.com/knowledge/whitepapers/80334/ip-reuse-for-fpga-design- rapidly-unravel-internal-and-third--party-ip.html

FPGAs for Embedded systems

Various Articles Related to Embedded System Design :

http://www.ganssle.com/articles.htm

Real Time and Embedded Software Design :

http://www.event helix.com/Real time Mantra/Basics/Basics of Embedded system design: http://www.ece.cmu.edu/~koopman/iccd96/iccd96.html

Experience teaching in FPGA based Embedded system classes:

http://www1.cs.columbia.edu/~sedwards/presentations/2005-wese-emsys.pdf For DDFS related information:

http://www.dds analysis.com/index.html DDFS links:

http://www.hit.bme.hu/~papay/sci/DDS/products.htm NPTEL VIDEO LECTURES ONLINE:

http://www.nptel.ac.in.html

The following online links are made available to the students for their quick reference to prepare for the competitive exams and research work

INNOVATIONS BY FACULTY IN TEACHING LEARNING PROCESS:

Innovations by the Faculty in teaching and learning implemented in the department are mentioned below:

Contributions to teaching and learning are activities that contribute to the improvement of student learning. These activities may include innovations not limited to, use of ICT, instruction delivery, instructional methods, assessment, evaluation and inclusive class rooms that lead to effective, ef Any contributions to teaching and learning should satisfy the following criteria:

- The work must be made available on Institute website
- The work must be available for peer review and critique
- The work must be reproducible and developed further by other scholars

The department/institution may set up appropriate processes for making the contributions available to the public, getting them reviewed and for rewarding. These may typically include statement of clear goals, adequate preparation, use of appropriate methods, and significance of results, effe critique

Teaching Effectiveness can be brought by understanding the models of instructions that capture, delineate and transfer the knowledge from Faculty members to the learners. These involve a deep understanding of subject matter, planning, classroom instructional strategies, assessment o analysis of learning outcomes.

Traditional Teaching Method: In the pre-technology education context the teacher is the sender, the educational material is the information and the student is the receiver of the information. In terms of the delivery medium, the educator can deliver the message via the "chalk-and-t transparencies. This learning perspective is a popular technique, which has been used for decades as an educational strategy in all institutions of learning. Basically, teacher controls the instructional process, the content is delivered to the entire class and the teacher tends to emphasize factua

Innovative Methods of Learning:

Following innovative learning methods are initiated and implemented by the faculty for students to learn in a better manner.

1. Computer-assisted learning (Reference Globe)
2. Improvements in Laboratory Learning (Code Tantra)
3. Group Learning
4. Innovations in Assessment
5. Innovations in Evaluation
6. Advancements in Domain Experimentation
7. Google Classrooms
8. Weekend Activities
9. Snap Talk
10. Value added Courses

1) Computer-assisted learning: (Reference Globe)

ICT usages are abundantly practiced for the teaching-learning processes. To provide direct access to quality instructional resources through computers

Objectives:

- To provide direct access to quality instructional resources through computers connected in LAN and Internet
- Motivate the students do electronic presentations (PPT)
- Assess the students through online quiz tests for better learning.

Facilities Created:

- Internet facility is provided to students for deeper inquiry into their subjects.
- The technologies are used even in the co-curricular activities during seminars, workshops every classroom is provided with computer with LAN and internet connection.

Outcomes:

- The students and faculty are engaged in effective teaching and learning process.

2) Improvements in Laboratory Learning: (Code Tantra)

The laboratory learning is made very effective through the implementation of an innovative program namely Laboratory Improvement for Future. Under this program the faculty member handling the laboratory sessions shall prepare a manual with different activities.

Objectives:

- Conduction of advanced experiments.
- Collect research literature related to the lab Participate in the maintenance of the lab.
- Execute hobby projects. Modify the existing facilities in labs.
- To create awareness among the students and develop Industry –Institution interactions and reach the standards in laboratories.

Facilities Created:

- Modification of existing experimental set-up
- Creation of additional facilities for advanced experiments

Outcomes:

- Experience in collecting literature
- Preparation of maintenance manual.
- Prepare working model/execute hobby project

3) Group Learning OR Collaborative Learning:

A collection of students who are intellectually and aesthetically engaged in solving Problems, creating products, and an assemblage in which each student learns autonomously and through the ways of learning of others. By group, we refer both to the learning of individuals that is fostered by distributed kind of learning that does not reside inside the head of any one individual. Rather than focusing only on what the individual knows, the goal is to build a collective body of knowledge; learning groups strive to create publicly shared.

4) Innovations in Assessment:

Objectives:

- Simplify the assessment of course outcomes and program outcomes.
- Take corrective actions during the middle of the semester for better attainment levels of course outcomes and program outcomes

Methodology:

- Special Assessment software is designed and implemented to collect the attainment levels of course outcomes and program outcomes on frequent basis.
- An assessment web link is provided to the students and faculty for giving feedback on the ongoing lecture sessions.
- The student gives feedback on day-to-day basis about the ongoing subject-wise lecture sessions. This feedback will enable the faculty to know the effectiveness of his teaching on day-to-day lecture basis and helps to improve his performan survey etc. are conducted through online.

Outcomes:

- Effective teaching and learning process
- Better attainment levels of course outcomes and program outcomes

5) Innovations in Evaluation:

- Generally, evaluation of students is done by the faculty. However, an innovative assignment evaluation method is proposed and implemented with the following objectives:

Objectives:

- To enhance the understanding levels of the subject.
- To improve the presentation skills

Methodology:

Self-Evaluation by the students is carried out under the faculty supervision. The students are divided into groups. Different home assignments are given to different student groups. One of the group members shall evaluate the remaining members' himself. The evaluation within the group is carried out on rotation basis. The evaluated assignments are submitted to the faculty for scrutiny and feedback. The above method of evaluation helps the students in improving their learning and presentation

6) Advancements in Domain Experimentation

Objectives:

The Objective of this Concept is introduction of new experiments beyond course curriculum in day-to-day regular lab sessions.

Methodology:

These Experiments are designed based upon the theory syllabus and student skills. At least One Experiment is introduced in each lab to train all the students in latest trends for laboratory improvement program which will be useful for the students to get awareness about the skills in conducting

Outcomes:

Technical knowledge in labs is improved. Design hobby projects.

7) Google classroom

Google Classroom is an application designed to enhance the learning experience which is incorporated in our teaching learning process. It helps to interact with students 24 X 7, by posting technical contents, notes, and assignments and also facilitates to conduct and evaluate online quizzes. collaboration in real time and the ability to work remotely.

8) Week end Activities

Co-curricular and extracurricular activities are conducted every weekend to motivate the students and to improve problem solving capabilities, leadership abilities in multidisciplinary, co-operation in team work, consciousness in professional ethic situations. These activities include Webinar, Aptitude Training, Social Welfare Camp, Problem solving, Entrepreneurship Development Programs, Critical Thinking, Group Discussion, etc.

9) Snap Talk

Students are motivated to present a topic of their own interest for 5 minutes during class hours for improving communication skills and to overcome stage fear.

10) Value Added Courses

Certification courses are conducted by department to give key knowledge to students in a specific field. It improves the employability skills and promote professional and life-oriented skills of the students.

11) Technical presentation

Students are encouraged to give presentation on any technical topic in their area of interest which will serve for knowledge transfer and to overcome stage fear. It will also improve their communication skills which is significant in their career growth.

LAB MANUALS:

The following faculty members have prepared the Lab Manuals as per the curriculum and are made available for the students.

S. No	Year/Semester	Name of the Lab	Name of the Faculty
1	II/I	Analog Circuits Lab	DR CHINNA RAO , VIJAYA BHARATHI
2	II/I	Basic Simulation Lab	V SHIVA RAJA KUMAR , N SARITHA
3	II/I	Digital Logic Design Lab	K SURESH , NEHA THAKUR
4	II/II	Analog and Digital Communications Lab	V SHIVA RAJA KUMAR, P SWETHA
5	II/II	Linear and Digital IC Applications Lab	E MAHENDER REDDY , R SATHISH KUMAR
6	II/II	Electronic Circuit Analysis Lab	DR SADANAND YADAV , HINDOL BHATTACHARYA
7	III/I	Artificial Intelligence & Machine Learning Lab	P ANITHA , G VAIDEHI
8	III/I	Microprocessors & Microcontrollers Lab	P SWETHA , KDK AJAY
9	III/II	VLSI Design Lab	D SANTOSH KUMAR , CH KIRAN KUMAR
10	III/II	Digital Signal Processing Lab	N SARITHA , D ASHA
11	IV/I	VLSI Design Lab	CH KIRAN KUMAR , K SURESH
12	IV/I	Electro Magnetics and Microwave Laboratory	RENJU PANICKER , M SREEDHAR REDDY

COURSE FILES:

I Semester:

S. No	Year/Branch	Name of the Subject	Name of the Faculty
1		AC	Dr.R. CHINNA RAO
2		S&S	V KIRAN KUMAR
3	II ECE	NAS	ANAND KUMAR DR
4		PTSP	N SARITHA
5		DLD	E MAHENDER REDDY
6		MPMC	P SWETHA
7		AIML	P ANITHA
8	III ECE	CS	NILOFER
9		JAVA PROGRAMMING	G VAIDHEI
10		DCCN	KDK AJAY
11		VLSID	CH KIRAN KUMAR
12		MWE	P SEKTHIVEL
13	IVECE	ESD	M RAMANJANEYULU
14		RS	DEEPIKA S
15		IVP	D ASHA

II Semester:

S. No	Year/Branch	Name of the Subject	Name of the Faculty
1		NMVC	DR SARABHA REDDY
2		ECA	E MAHENDER REDDY
3	IIECE	EFTL	DR MALLIKARJUNA LINGAM
4		ADC	V SHIVA RAJA KUMAR
5		LDICA	R SATHISH KUMAR
6		PPEG	DR ARUN KUMAR
7		AWP	KDK AJAY
8		DSP	V KIRAN KUMAR
9	IIIECE	VLSID	K SURESH
10		IOTA	P ANITHA
11		FCS	RAMANJANEYULU
12	IVECE	ISE	NEHA THAKUR

UGC AUTONOMOUS SYLLABUS PREPARATION

The following faculty members have prepared the Syllabus for UGC Autonomous curriculum.

S.NO	Year/Semester	Name of the Subject	Name of the Faculty
1	II/I	AC	DR CHINNA RAO , E MAHENDER REDDY
2		S&S	DR N SUBASH , V SHIVA RAJA KUMAR
3		PTSP	Dr. B V N S M NAGESH DEEVI , N SARITHA
4		NAS	DR. ANDHE SATYANARAYANA MURTHY , ANAND KUMAR DR
5		DLD	NEHA THAKUR , DEEPIKA S
6		AC Lab	DR CHINNA RAO , E MAHENDER REDDY
7		DLD lab	NEHA THAKUR , DEEPIKA S
8	II/II	NMCV	DR SARABHA REDDY ,DR RAJESHWAR REDDY
9		EMTL	DR MALLIKARJUNA LINGAM, N SARITHA
10		ADC	P SWETHA , V SHIVA RAJA KUMAR
11		LDICA	E MAHENDER REDDY , R SATHISH KUMAR
12		ECA	DR CHINNA RAO, DEEPIKA S
13		ADC Lab	P SWETHA , V SHIVA RAJA KUMAR
14		LDICA Lab	E MAHENDER REDDY , R SATHISH KUMAR
15		ECA Lab	DR CHINNA RAO, DEEPIKA S
16	III/I	MPMC	M RAMANJANEYULU , KDK AJAY
17		AIML	P ANITHA , K BHAVANA
18		CS	M SREEDHAR REDDY , NILOFER
19		JAVA PROG	G VAIDEHI, RAMYA SMRUTHI
20		COOS	RAMYA SMRUTHI , D ASHA
21		DCCN	CH KIRAN KUMAR , N SARITHA
22		DD through Verilog HDL	DR ARUN KUMAR, P ANITHA
23		MPMC Lab	M RAMANJANEYULU , KDK AJAY
24		AIML Lab	P ANITHA , K BHAVANA
25	III/II	AWP	DR VENU GOPAL ,RENJU PANICKER
26		DSP	DR SUCHARITHA M , V KIRAN KUMAR
27		VLSI Design	DR SASIKANTH , K SURESH
28		IOTA	P SWETHA, DR SADANAND YADAV
29		EMI	DR VM SENTHI KUMAR , E MAHENDER REDDY
30		MCN	DR. SURAMPUDI SRINIVASA RAO, CH KIRAN KUMAR
31		FCS	M RAMANJANEYULU , HINDOL BHATTACHARGEE
32		DSP Lab	DR SUCHARITHA M , V KIRAN KUMAR
33		VLSI design Lab	DR SASIKANTH , K SURESH
34	IV/I	MWE	M SREEDHAR REDDY , RENJU PANICKER
35		RS	DR VM SENTHI KUMAR, REVATHI
36		CMOS Analog IC Design	DR RAVI SHAKER REDDY , D SANTOSH KUMAR
37		ANN	DR JYOTHI , D ASHA
38		NSC	DR SASIKANTH , P ANITHA
39		SC	DR S SRINIVASA RAO , P SWETHA
40		BSP	DR G S NAVEEN KUMAR , N SARITHA
41		EM and MW Lab	M SREEDHAR REDDY , RENJU PANICKER
42	IV/II	ISE	DR SRINIVASA RAO , DR ARUN KUMAR
43		DIP	DR JYOTHI , D ASHA
44		5G & Beyond Comm	CH KIRAN KUMAR , V KIRAN KUMAR
45		SoCA	P ANITHA , DR SENTHIL KUMAR
46		MDM	DR SUBASH , M ANUSHA
47		ESD	M RAMANJANEYULU , ARUNA KUMARI

48		WSN	DR SRINIVASA RAO , P SWETHA

5.7 Faculty as participants in Faculty development/training activities/STTPs (15)

Name of the faculty	Max 5 Per Faculty		
	2023-24(CAYm1)	2022-23(CAYm2)	2021-22(CAYm3)
DR SURAMPUDI SRINIVASA RAO	5.00	5.00	5.00
DR T VENUGOPAL	5.00	5.00	5.00
DR K MALLIKARJUNA LINGAM	5.00	5.00	5.00
DR. SADANAND YADAV	5.00	5.00	5.00
DR. PADALA VANITHA	5.00	5.00	5.00
DR. B. JYOTHI	5.00	5.00	5.00
DR. G. SRINIVASA NAVEEN KUMAR	5.00	5.00	5.00
DR.R. CHINNA RAO	5.00	5.00	5.00
DR. N. SUBASH	5.00	5.00	5.00
DR. M. ARUN KUMAR	5.00	5.00	5.00
V.KIRAN KUMAR	5.00	5.00	5.00
M. RAMANJANEYULU	5.00	5.00	5.00
M. SREEDHAR REDDY	5.00	5.00	5.00
P. ANITHA	5.00	5.00	5.00
P. SWETHA	5.00	5.00	5.00
D.ASHA	5.00	5.00	5.00
K. SURESH	5.00	5.00	5.00
N. SARITHA	5.00	5.00	5.00
CH. KIRAN KUMAR	5.00	5.00	5.00
V. SHIVA RAJA KUMAR	5.00	5.00	5.00
E. MAHENDER REDDY	5.00	5.00	5.00
RENJU PANICKER	5.00	5.00	5.00
K. DEVAKI KRUSHNA AJAY	5.00	5.00	5.00

Name			
G. VAIDEHI	5.00	5.00	5.00
NEHA THAKUR	5.00	5.00	5.00
MANDA NAGMA	3.00	3.00	0.00
K. BHAVANA	5.00	5.00	5.00
NILOFER	5.00	5.00	5.00
DEEPIKA SATHPUTE	5.00	5.00	5.00
A DILEEP	5.00	5.00	5.00
D SANTHOSH KUMAR	5.00	5.00	5.00
KEESARA VIJAYA BHARATHI	5.00	5.00	5.00
ANAND KUMAR DR	5.00	5.00	5.00
PERIYAMUTHAIAH SAKTHIVEL	5.00	5.00	5.00
R RAMYA SMRUTHI	5.00	5.00	5.00
RALLABANDI SATHISH KUMAR	5.00	5.00	0.00
AISHWARYA MALLEPOGU	5.00	5.00	0.00
LOKESWARA RAO MINISKAR	0.00	5.00	0.00
PILLY RAJUBABU	5.00	5.00	0.00
SANKU REVATHI	5.00	5.00	0.00
HINDOL BHATTACHARJEE	5.00	5.00	0.00
M. ANUSHA	5.00	5.00	5.00
SRINIVAS TALLASILA	5.00	5.00	5.00
MARAM ANANTHA GUPTA	5.00	5.00	5.00
S. RAJANI	3.00	5.00	5.00
NALLA SURESH	3.00	5.00	5.00
TRIVEDI ANIKET	5.00	5.00	5.00

DODLA NOOTHANA	5.00	5.00	0.00
BOMMAGANI SRUJANA	5.00	5.00	5.00
NAIMISHA BOLLOJU	5.00	5.00	5.00
DR. C. RAVISHANKAR REDDY	5.00	5.00	5.00
DR SUCHARITHA M	0.00	5.00	5.00
SANAPALA ARUNA KUMARI	0.00	5.00	5.00
RAVICHANDER B	0.00	5.00	5.00
CHEEKATLA ASHWINI	0.00	5.00	5.00
NAMADI SWETHA	0.00	5.00	5.00
K. MOUNIKA	0.00	5.00	5.00
KAMIREDDY RASOOL REDDY	0.00	5.00	5.00
M KRISHNA CHAITHANYA	0.00	5.00	5.00
MANASA VEENA T	5.00	5.00	0.00
DR ANUP DEY	5.00	5.00	0.00
DR. VM SENTHILKUMAR	0.00	5.00	5.00
KOUSHIL REDDY KUSUPATINAGA	5.00	5.00	5.00
DR.S. SASIKANTH	5.00	5.00	5.00
DR. B V N S M NAGESH DEEVI	5.00	5.00	0.00
DR PERLA ANITHA	5.00	5.00	0.00
DR. G. ANAND KUMAR	5.00	5.00	0.00
DR. D NAGABHUSHANA BABU	5.00	0.00	0.00
DR. ANDHE SATYANARAYANA MURTHY	5.00	5.00	0.00
DR.B. NAGESHWAR RAO	5.00	5.00	0.00
Sum	294.00	343.00	270.00

RF = Number of Faculty required to comply with 20:1 Student Faculty Ratioas per 5.1	28.00	35.00	42.00
Assessment [3*(Sum / 0.5RF)]	63.00	58.80	38.57

Average assessment over 3 years: 15.00

5.8 Research and Development (75)

5.8.1 Academic Research (20)

5.8.1.AcademicResearch(20)

Academicresearchincludesresearchpaperpublications,Ph.D.guidance,andfaculty receivingPh.D. during the assessment period.

a. Numberofqualitypublicationsinrefereed/SCIJournals,citations,Books/BookChaptersetc. (15)
b. Ph.D.guided/Ph.D.awardedduringtheassessmentperiodwhileworkingintheinstitute(5)

RESEARCH PUBLICATIONS IN REFERED/SCI JOURNALS

Sl. No.	Name of the Faculty	Names of Authors (as Published)	Title of the Paper	SCI/WoS/Scopus/UGC Care/Others	Journal Name	Year of Publication
1	Dr S Srinivasa Rao	Sasikanth Shanmugam, Srinivasa Rao Surampudi	A method for detecting and classifying the tumor regions in brain MRI images using vector index filtering and ANFIS classification process	SCI	International Journal of Imaging System Technology	2022
2	Dr S Srinivasa Rao	Maram Anantha Guptha, Surampudi Srinivasa Rao, Ravindrakumar Selvaraj	An Efficient Discrete Wavelet Transform Architecture With Low Power And Multiplier-Less Structure For Biomedical Image Processing Application	SCOPUS	Journal Of Harbin Institute Of Technology	2022
3	Dr S Srinivasa Rao	Suneetha, Ch, S. Srinivasa Rao, and K. S. Ramesh	Clusters-based rendezvousing approach for scheduling the flash crowd transmissions over cognitive radio networks	SCOPUS	International Journal of Ultra Wideband Communications and Systems	2022
4	Dr, K. Mallikarjuna Lingam	Gadhari Keerthana,M. Sucharitha, K. Mallikarjuna Lingam	ECG Signal analysis and Prediction of Heart attack with the help of Optimized Neural Network	UGC	DogoRangsang Research Journal	2021
5	Dr. K. Mallikarjuna Lingam	Chippa. Prithvi Raj, N. Saritha, Dr. K. Mallikarjuna Lingam	Deep Blind Evaluation of the Quality of The Use Of Graphic Form Analysis	OTHERS	Complexity International Journal (CIJ)	2021
6	Dr. S Sasikanth	Sasikanth Shanmugam, Srinivasa Rao Surampudi	A method for detecting and classifying the tumor regions in brain MRI images using vector index filtering and ANFIS classification process	SCOPUS	International Journal of Imaging System Technology	2022
7	Dr. C. Ravi Shankar Reddy	Dr. C. Ravi Shankar Reddy, P.V. Gopi Kumar	An Energy and Area Efficient IOT Architecture for BioMedical Applications	SCOPUS	Journal of Interdisciplinary Cycle Research	2022
8	Dr. C. Ravi Shankar Reddy	Adepu Hari Priya, Dr. C. Ravishankar Reddy	Design And Simulation of Semi coupled 12T Transistor Based SRAM Using 15nm Technology	SCOPUS	Journal of Interdisciplinary Cycle Research	2021
9	Dr. GS Naveen Kumar	A Radha Rani, GS Naveen Kumar	Review on cyber networks threat detection systems using different types of advanced techniques	SCI	International Journal of Food and Nutritional Sciences	2022
10	Dr. M. Sucharitha	Gadhari Keerthana,M. Sucharitha, K. Mallikarjuna Lingam	ECG Signal analysis and Prediction of Heart attack with the help of Optimized Neural Network	UGC	DogoRangsang Research Journal	2021
11	Dr. M. Sucharitha	M.Sucharitha, PHV Sesha Talpa Sai,M. L.R. Chaitanya Lahari, P. Haseena Bee	Computer Assisted System for Detecting Pulmonary Embolism in Lungs	SCOPUS	International Journal of Recent Technology and Engineering	2021
			Triangular Vertex Transform		Turkish Journal of	

12	Dr. M. Sucharitha	Reena Thomas and M.Sucharitha	Based Watermarking on Contourlet Coefficients for Improved Robustness	SCOPUS	Computer and Mathematics Education	2021
13	Dr N Subash	N. Subash, P. Srikanth	A 4K Resolution-Accomplished FPGA Implementation of Solitary Image Particle Maps	UGC	Dogo Rangsang Research Journal	2021
14	Dr N Subash	N. Subash,V. Ajay	VLSI Design For Turbo Decoder Module for in Vehical System	UGC	Juni Khyat	2021
15	Dr N Subash	Sri Bhavannarayana Sudhir Avvaru , N. Subash	Artificial Intelligence and Machine Learning based Robotic ARM using Raspberry Pi	SCOPUS	Design Engineering	2021
16	Dr.Nagesh Deevi	Subodh Panda, Misbahuddin Mahammad, D. Nagesh Deevi, Srinivas Akul	Model Designing of DC Motor Instant Stopping for Robotic and Automation	SCOPUS	Advances and Applications in Mathematical Sciences	2021
17	Dr.Nagesh Deevi	V. Prasanth, K. Babulu, Nagesh Deevi	Design and Implementation of Low Power 128 Bit AES Pipelined Encryption Using Clock Gating On 28nm FPGA	SCOPUS	Advances and Applications in Mathematical Sciences	2021
18	Dr Arunkumar Madupu	Arunkumar Madupu	VLSI Design of High-Speed HUB Floating-Point Addition using Modified CSLA	UGC	International Journal of Research and Analytical Reviews (IJRAR)	2021
19	Dr Arunkumar Madupu	Arunkumar Madupu	A Secure Embedded Architecture for Smart Cyber Physical Systems through IoT	UGC	International journal of analytical and experimental modal analysis	2021
20	Dr. R. Chinna Rao	R. Chinna Rao, K. Mohana Lakshmi, Ch. Raja, P. Bharat Siva Varma, Ganga Rama Koteswara Rao, Anitha Patibandla	Real-Time Implementation and Testing of VoIP Vocoders with Asterisk PBX Using Wireshark Packet Analyzer	SCI	Journal of Interconnection Networks	2022
21	V. Kiran Kumar	Kiran Kumar Vemula and S. Neeraja	Block Based Motion Estimation Algorithms: Analysis	SCOPUS	Advances in Dynamical Systems and Applications (ADSA)	2021
22	P Anitha	R. Chinna Rao, K. Mohana Lakshmi, Ch. Raja, P. Bharat Siva Varma, Ganga Rama Koteswara Rao, Anitha Patibandla	Real-Time Implementation and Testing of VoIP Vocoders with Asterisk PBX Using Wireshark Packet Analyzer	SCI	Journal of Interconnection Networks	2022
23	P Swetha	Bachina Surendra Babu, Satish Kumar Ramaraj, Karuganti Phani Rama Krishna, Pinjerla Swetha	Extended buffer zone algorithm to reduce rerouting time in biotelemetry systems using sensing	SCI	ACTA IMEKO	2022

24	N. Saritha	Chippa. Prithvi Raj, N. Saritha, Dr. K. Mallikarjuna Lingam	Deep Blind Evaluation of the Quality of The Use Of Graphic Form Analysis	OTHERS	Complexity International Journal (CIJ)	2021
25	T Srinivas	Talasila Srinivas, Rawal, Kirti Sethi, Gaurav	PLRSNet: A Semantic Segmentation Network for Segmenting Plant Leaf Region under Complex Background	WoS	International Journal of Intelligent Unmanned Systems	2021
26	Dr. M Anantha Guptha	Maram Anantha Guptha, Surampudi Srinivasa Rao, Ravindrakumar Selvaraj	An Efficient Discrete Wavelet Transform Architecture With Low Power And Multiplier-Less Structure For Biomedical Image Processing Application	SCOPUS	Journal Of Harbin Institute Of Technology	2022
27	Neha Thakur	Neha Thakur, Hari Murthy	Simulation study of droplet formation in inkjet printing using ANSYS FLUENT	SCOPUS	Journal of Physics, IOP Publishing	2022
28	Neha Thakur	Dr. Hari Murthy, Neha Thakur, Dr Nisha Shankhwar	Nickel-Based Conductive Inks for Flexible Electronics A Review on Resent Trends	SCI	Journal of Advanced Manufacturing Systems	2021
29	Neha Thakur	Neha Thakur, Dr. Hari Murthy	Nickel-based inks for Inkjet Printing: A Review on Latest Trends	OTHERS	American Journal of Material Science	2021
30	Neha Thakur	Neha Thakur, Dr. Hari Murthy	An overview on 3D Printed Medicine	OTHERS	Material Science Research India	2021
31	K. Rasool Reddy	K. Rasool Reddy, ravindra Dhuli	Segmentation and Classification of brain tumors from MRI images based on adaptive mechanisms and ELDP feature descriptor	SCI	Biomedical Signal and Control	2022
32	Dr. Srinivasa Rao Surampudi	Guptha, Maram Anantha, Surampudi Srinivasa Rao, and Ravindrakumar Selvaraj	An efficient discrete wavelet transform architecture with low power and multiplier-less structure for biomedical image processing application	SCOPUS	Harbin Gongye Daxue Xuebao/Journal of Harbin Institute of Technology	2022
33	Dr. Srinivasa Rao Surampudi	Suneetha, Ch, S. Srinivasa Rao, and K. S. Ramesh	Clusters-based rendezvousing approach for scheduling the flash crowd transmissions over cognitive radio networks	SCOPUS	International Journal of Ultra Wideband Communications and Systems	2022
34	Dr. B. Jyothi	M. Sucharitha , Reena Thomas, B. Jyothi, Edeh Michael Onyema and Gashaw Bekele	Design and Fabrication of Metallic-Conductive Polymer-Based Hybrid Film Interconnections for Stretchable Electronic Devices	SCI	International Journal of Polymer Science	2023
35	Dr. M. Sucharitha	M. Sucharitha , Reena Thomas, B. Jyothi, Edeh Michael Onyema and Gashaw Bekele	Design and Fabrication of Metallic-Conductive Polymer-Based Hybrid Film Interconnections for Stretchable Electronic Devices	SCI	International Journal of Polymer Science	2023

36	Dr. GS Naveen Kumar	G RAJU, GS Naveen Kumar	A SURVEY ON VIDEO ANALYTICS SYSTEM USING DEEP LEARNING	UGC	Industrial Engineering Journal	2023
37	Dr. GS Naveen Kumar	A RadhaRani, GS Naveen Kumar	IMPLEMENTATION OF AN INTRUSION DETECTION SYSTEM APPLICATION OF DEEP LEARNING MODELS	UGC	International Journal of Research and Analytical Reviews	2023
38	Dr. GS Naveen Kumar	M Ajay Kumar, GS Naveen Kumar	AN EFFECTIVE CONTENT BASED VIDEO RETRIEVAL USING DEEP LEARNING	UGC	Industrial Engineering Journal	2023
39	Dr.N.Subash	Dr.N.Subash, Yeldi Agasthya	Implementation of Low-Power Approximate Unsigned Multipliers with Configurable Error Recovery	UGC	Journal of Applied Science and Computations	2022
40	Dr Arunkumar Madupu	R. Chinna Rao, Padala Vanitha, Arunkumar Madupu, Pala Mahesh Kumar	Speech Steganography Using DWT with IPDP-MLE Approach for Defence Applications	ESCI	JOURNAL OF ALGEBRAIC STATISTICS	2022
41	Dr. R. Chinna Rao	R. Chinna Rao, Padala Vanitha, Arunkumar Madupu, Pala Mahesh Kumar	Speech Steganography Using DWT with IPDP-MLE Approach for Defence Applications	SCI	JOURNAL OF ALGEBRAIC STATISTICS	2022
42	Dr. Sadanand Yadav	Vinay Kumar, Sadanand Yadav, Anand Sharma, Arun Prakash, Rajeev Tripathi, Dushantha Nalin K Jayakody	3D-multilayer magneto-inductive transceiver coil structure and optimal placement of relays for non-conventional media	SCI	Wireless Networks, Springer	2022
43	Dr. Padala Vanitha	R. Chinna Rao, Padala Vanitha, Arunkumar Madupu, Pala Mahesh Kumar	Speech Steganography Using DWT with IPDP-MLE Approach for Defence Applications	SCI	journal of algebraic statistics	2022
44	Dr. Anup Dey	Mandira Biswas, Anup Dey and Subir Kumar Sarkar	Polyaniline Based Field Effect Transistor for Humidity Sensor	SCI	Silicon, Springer Nature	2022
45	Kiran Kumar Vemula	Vemula, Kiran Kumar, and S. Neeraja	An Efficient Multilevel Transform-Domain Partial Distortion Search Algorithm	SCOPUS	Pattern Recognition and Image Analysis	2022
46	Kiran Kumar Vemula	Vemula, Kiran Kumar, and S. Neeraja	A fast partial distortion-based motion estimation algorithm in Walsh–Hadamard domain	SCOPUS	Signal, Image and Video Processing	2022
47	P Anitha	Anitha Patibandla	A Review on the Detection of the Post COVID-19 Symptoms for Long Term Diseased Patients using Machine Learning Algorithms	SCOPUS	Journal of Physics: Conference Series	2022
48	P. Swetha	BS Babu, SK Ramaraj, KPR Krishna, P Swetha	Extended buffer zone algorithm to reduce rerouting time	SCI	Acta IMEKO,	2022

		Krishna, P Swetha	in biotelemetry systems using sensing			
49	Neha Thakur	Neha Thakur, Murthy H., Shankhwar	Nickel-Based Inks for Flexible Electronics — A Review on Recent Trends	SCI	Journal of Advanced Manufacturing Systems	2022
50	T Srinivas	S Talasila, K Rawal, G Sethi	Deep Learning-Based Leaf Region Segmentation Using High-Resolution Super HAD CCD and ISOCELL GW1 Sensors	UGC	Journal of Sensors 2023 (1), 1085735	2023
51	Hindol Bhattacharjee	Chakraborty, Arindam, Hindol Bhattacharjee, Rajiv Ganguly, and Monojit Mitra	Junction temperature management of white pcLED at high temperature industrial ambient under tropical conditions: a simulation-based study	SCOPUS	International Journal of Nanoparticles	2022
52	K. Rasool Reddy	K. Rasool Reddy, Ravindra Dhuli	"Detection of brain tumors from MR images using fuzzy thresholding and texture feature descriptor	SCI	The Journal of Supercomputing	2023
53	K. Rasool Reddy	K. Rasool Reddy, Batchu Raj Kumar, Polinati Srinivasu, Bavirisetti Durga Prasad	Design of a medical decision-supporting system for the identification of brain tumors using entropy-based thresholding and non-local texture features	SCI	Frontiers in Human Neuroscience	2023
54	K. Rasool Reddy	K. Rasool Reddy, and Ravindra Dhuli	A Novel Lightweight CNN Architecture for the Diagnosis of Brain Tumors Using MR Images	SCI	Diagnostics	2023
55	K. Rasool Reddy	K.Sowjanya, K.Rasool Reddy and M.Raveena	A New Distinctive Methodology for the Classification of Brain MR Images Using Histogram Based Local Feature Descriptor	SCOPUS	International Journal of Computing and Digital Systems	2023
56	Thaticharla Manasaveena	Amin Khodaei, Baraa Riyadh Altahan, Thaticharla Manasavenna, Putcha Poorna Priya, Merugumalli Rama Krishna, Shaik Hasane Ahammad, Hossain Md. Amzad, Ahmed Nabih Zaki Rashed* and Walid Fahim Zidan	Empirical laser measured with optical coherent quadrate amplitude modulation receiver for upgrading fiber optic systems	SCI	Journal of Optical Communications	2022
		Ahmed Nabih Zaki Rashed, Baraa Riyadh Altahan, Thaticharla Manasavenna, Ganesan Shanmugapriya, P.	Different mode operations based all optical fiber			

57	Thaticharla Manasaveena	Poorna Priya, M. Rama Krishna, S.K. Hasane Ahammad, Md. Amzad Hossain*, Vishal Sorathiya, Lassaad K. Smirani and Ahmed Helmy Said	amplifiers with optical differential polarization quadrature phase shift keying transmitter	SCI	Journal of Optical Communications	2022
58	Thaticharla Manasaveena	Ahmed Nabih Zaki Rashed*, Baraa Riyadh Altahan, Thaticharla Manasavenna, S. K. Hasane Ahammad, P. Poorna Priya, M. Rama Krishna, Md. Amzad Hossain*, Vishal Sorathiya, Lassaad K. Smirani and Said Mohammed Said	Grating index difference (GID) and order based distributed feedback laser effects on coarse wavelength division multiplexing optical fiber systems	SCI	Journal of Optical Communications	2022
59	Thaticharla Manasaveena	Ahmed Nabih Zaki Rashed*, Baraa Riyadh Altahan, Thaticharla Manasavenna, P. Poorna Priya, M. Rama Krishna, SK Hasane Ahammad, Md. Amzad Hossain* and Salah Mohsen	Single fiber grating profile multi scan parameters for the optimization of grating parameters by using OptiGrating simulation	SCI	Journal of Optical Communications	2022
60	Thaticharla Manasaveena	Ahmed Nabih Zaki Rashed*, Baraa Riyadh Altahan, Thaticharla Manasavenna, Shaik Hasane Ahammad, Putcha Poorna Priya, Merugumalli Rama Krishna, Hossain Md. Amzad*, Lassaad K. Smirani and Huda Said Abdelhami	High-speed passive optical networks performance signature in downstream direction based on the engagement of both nonlinear cross-phase modulation (XPM) and cross-gain modulation (XGM) techniques	SCI	Journal of Optical Communications	2022
61	Thaticharla Manasaveena	Ahmed Nabih Zaki Rashed*, Baraa Riyadh Altahan, Thaticharla Manasavenna, Pala Kalyani, P. Poorna Priya, M. Rama Krishna, S. K. Hasane Ahammad, Md. Amzad Hossain*, Lassaad K. Smirani and Eslam Fahmy Shetea	Electro-optic power/signal quality optimization based on the interaction between electro-optic modulators and electrical filters	SCI	Journal of Optical Communications	2022
62	Thaticharla Manasaveena	Ahmed Nabih Zaki Rashed*, Baraa Riyadh Altahan, Thaticharla Manasavenna, P. Poorna Priya, M. Rama Krishna, S.K. Hasane Ahammad, Md. Amzad Hossain* and Marwa Hamed Amin	Multi-mode step graded index fibers performance parameters (attenuation/dispersion/mode field) measurements by using OptiFiber simulation	SCI	Journal of Optical Communications	2022
		Ahmed Nabih Zaki Rashed*, Baraa Riyadh Altahan, Thaticharla Manasavenna, P. Poorna Priya, M. Rama	Ideal single mode laser operation with single drive			

63	Thaticharla Manasaveena	Poorna Priya, M. Rama Krishna, S. K. Hasane Ahammad, Md. Amzad Hossain*, Pratap Kumar Dakua, Deepak Kumar Panda and Amany Hossain	conventional/phase shift Mach–Zehnder modulators measured in optical access networks	SCI	Journal of Optical Communications	2022
64	Thaticharla Manasaveena	Ahmed Nabih Zaki Rashed*, Baraa Riyadh Altahan, Thaticharla Manasavenna, Putcha Poorna Priya, Merugumalli Rama Krishna, Shaik Hasane Ahammad, Md. Amzad Hossain* and Aya Mousad	Optical fiber communication system links performance enhancement for high-speed data transmission through short-reach applications	SCI	Journal of Optical Communications	2022
65	Thaticharla Manasaveena	Ahmed Nabih Zaki Rashed*, Baraa Riyadh Altahan, Thaticharla Manasavenna, P. Poorna Priya, M. Rama Krishna, S. K. Hasane Ahammad, Md. Amzad Hossain* and Walid Fahim Zidan	Simulation of ultra long reach and high speed date rate optical wireless multiplexing communication systems based on various modulation codes	SCI	Journal of Optical Communications	2022
66	Dr.B.Nageshwar Rao	Dr. B. NAGESHWAR RAO BANDI, Prof. V. VIJAYAKUMAR DASARI, Prof. NAVEEN KUMAR NAVURI, Mr. SRIKANTH	IoT sensors and Devices	OTHERS	scientific international publishing house	Nov -2022
67	Dr.B.Nageshwar Rao	V.Vijaya kumar Dasari ,Dr.B.Nagshwar Rao	An Effective Investigation on Resource Management Optimization and Case Study on smart IoT Agriculture	OTHERS	Futuristic Trends in IOT	2022
68	Dr.B.Nageshwar Rao	Dr.T.VAMSHI A.SHIVAKRISHNA ,Dr.B.NAGESHWAR RAO	An effective strategy for area-efficient nano-AES implementation for internet-of-things devices	UGC	Journal of Emerging Technologies and Innovative Research	2022
69	Dr.B.Nageshwar Rao	Dr.T.VAMSHI A.SHIVAKRISHNA ,Dr.B.NAGESHWAR RAO	An effective investigation on reliable CRC-based error detection constructions for finite field multipliers with applications in cryptography	UGC	Journal of Emerging Technologies and Innovative Research	2022
70	Dr. Srinivasa Rao Surampudi	Swetha Pinjerla, Surampudi Srinivasa Rao, Puttha Chandrasekhar Reddy	Design of energy efficient and reconfigurable sample rate converter using FPGA devices	SCOPUS	Indonesian Journal of Electrical Engineering and Computer Science,	2024
71	Dr. Srinivasa Rao Surampudi	Chinnarao Rayudu, Jayasree P.V.Y., Srinivasa Rao S.	Hybrid Speech Steganography System using SS-RDWT with IPDP-MLE approach	SCI	Soft Computing, Springer	2024
72	Dr. Srinivasa Rao	P Venkatapathi, H Khan, SS Rao,	Cooperative spectrum sensing performance assessment	SCI	Engineering, Technology &	2024

72	Surampudi	G Immadi	using machine learning in cognitive radio sensor networks	SCI	Applied Science Research	2024
73	Dr. Srinivasa Rao Surampudi	MA Guptha, SS Rao, R Selvaraj	An Efficient Discrete Wavelet Transform Architecture with Low Power and Multiplier-Less Structure for Pervasive Biomedical Image Processing Application	SCOPUS	EAI Endorsed Transactions on Pervasive Health and Technology	2023
74	Dr. GS Naveen Kumar	GS Naveen Kumar, DB Jagannadha Rao, R Chaumwal Priyanka, S M D	Python -Powered Predictive Analysis in Cardio-Insights	UGC	International Journal of Multidisciplinary Research in Science, Engineering	2024
75	Dr. GS Naveen Kumar	G Raju, GS Naveen Kumar	NEST: ADVANCED VIDEO-BASED CROWD MONITORING FOR LARGE PUBLIC EVENTS	UGC	Journal of Nonlinear Analysis and Optimization	2024
76	Dr. GS Naveen Kumar	G Raju, GS Naveen Kumar	VADNet: A Novel Deep Learning Architecture for Automatic Detection and Classification of Abnormalities from Public Surveillance Videos	SCOPUS	International Journal of Intelligent Systems and Applications in Engineering	2024
77	Dr Arunkumar Madupu	Varadala Sridhar, T. Annamani, M. Renuka, V. Vinay Kumar, Arunkumar Madupu	Bagging ensemble mean-shift Gaussian kernelized clustering based D2D connectivity enabled communication for 5G networks	SCOPUS	e-Prime - Advances in Electrical Engineering, Electronics and Energy- ELSEVIER Journal	2023
78	Dr. Sadanand Yadav	Sadanand Yadav, Vinay Kumar	SVD compression and energy harvesting based energy efficient 3D-MI-UWSNs	WoS	Prog. Electromagnet. Res. Lett.	2023
79	Anitha Patibandla	Anitha Patibandla, Kirti Rawal, Gaurav Sethi	Block Matching and 3D Filtering (BM3D) for Preprocessing of CT scans of Covid-19 Lung Images	SCOPUS	International Journal of Medical Toxicology and Legal Medicine	2024
80	P. Swetha	Swetha Pinjerla, Surampudi Srinivasa Rao, Puttha Chandrasekhar Reddy	Design of energy efficient and reconfigurable sample rate converter using FPGA devices	SCOPUS	Indonesian Journal of Electrical Engineering and Computer Science,	2024
81	CH. Kiran Kumar	CK Kumar, G Sethi, K Rawal	Adapting to the Dark: A Novel Adaptive Low Light Illumination Correction Algorithm for Video Sequences in Wireless Communications	SCOPUS	International Journal of Electrical and Electronics Research (IJEER)	2023
		M Komma, VK Dasari, KS Naidu	Transform Domain-Based		International Journal on Recent and Innovation	

82	CH. Kiran Kumar	M Romina, VH Dasari, RB Nalida, MD Sravani	Perceptual Detection and Reduction of Blocking Artifacts	SCOPUS	and Innovation Trends in Computing and Communication	2023
83	Neha Thakur	Neha Thakur, Murthy H.	Acute behavior of the ink physics in inkjet printers	SCOPUS	International Journal of Science and Research	2023
84	Neha Thakur	Neha Thakur, S. Arumugam, N. Thomas, A. M. Koshy, P. Swaminathan, H. Murthy	Direct Ink Writing of Nickel oxide-based Thin Films for Room Temperature Gas Detection	SCI	Journal of Semiconductors	2024
85	Neha Thakur	Neha Thakur, P. Swaminathan, Murthy H.,	Numerical and simulation study of droplet mechanism in Inkjet printing for nickel-graphene ink	SCOPUS	Malaysian Journal of Science	2024
86	Neha Thakur	Neha Thakur, N. Thomas, A. M. Koshy, P. Swaminathan, H. Murthy	Formulation of Nickel Oxide-Graphene composite ink and the fabrication of thin film electrodes using Direct Ink Writing	SCI	Journal of Electronic Materials	2024
87	Nilofer	Nilofer	Using Machine Learning and AI to Optimize Greenhouse Climate Control for Improved Crop Production	SCOPUS	JES	2024
88	Sakthivel P	Sakthivel Peiyamuthaiah, Sumathy Vembu	Optimal interference mitigation with deep learning based channel access in wireless body area networks	SCI	International journal of communication systems	2024
89	Sakthivel P	Sakthivel P, Sumathy V	A parametric analysis of electrometric interference in determining QoS in IoT applications	OTHERS	Journal of wireless communications	2024
90	Hindol Bhattacharjee	H Bhattacharjee, A Dey, P Meher	Study and optimising performance of enhancement-mode monolithically integrated white-light HEMT-LED by inserting of InGaN quantum wells	SCI	International Journal of Numerical Modelling Electronic Networks Devices and Fields	2024
91	M.Aishwarya	Aishwarya	Multi class Alzheimer's diease detection using deep learning technique	OTHERS	IJRIT	2023
92	Dr.B Nageshwar Rao	Fazil A. Sheikh Komal Baburao Umare, S. B G Tilak Babu, K. Aruna, Dr.Bandi Nageshwar Rao, S Karthi sree	Energy-Efficient Communication Protocols for Wireless IoT Networks	SCOPUS	Frontiers in Health Informatics	2024

BOOK CHAPTERS

Sl. No.	Name of the Faculty	Names of Authors (as Published)	Title of the Paper	Publisher	Name of the Conference	Year of Publication
1	Dr.S.Srinivasa Rao	Swetha Pinjerla, Dr.S.Srinivasa Rao, Dr. P.Chandrasekhar Reddy	Sampling Rate Conversion Techniques-A Review	IEEE	IEEE International Conference on Recent Trends in Computer Science and Technology	2022
2	Dr.S.Srinivasa Rao	R Chinna Rao, Dr PVY Jayasree , Dr S Srinivasa Rao	Spread Spectrum Based Speech Steganography Using RDWT	IEEE	2nd International Conference on Electronics and Sustainable Communication Systems ICESC	2021
3	Dr. B Jyothi	Jyothi B, Sucharitha M, Anitha Patibandla	Low complexity and high speed Montgomery Multiplication based on FFT	Springer	International Conference on Signal Processing, Communications and System Design	2021
4	Dr. V.M.SenthilKumar	V.M.SenthilKumar, Ravindrakumar Selvaraj, S. Sasikanth, Ekkirala Kranti Kumar	Quantification of Urinary Bladder for Early Detection of Hazard in Oliguric Patient under Dialysis using Embedded System	Springer	Proceedings of the International Conference on Computational Intelligence and Sustainable Technologies	2022
5	Dr. S. Sasikanth	V.M.SenthilKumar, Ravindrakumar Selvaraj, S. Sasikanth, Ekkirala Kranti Kumar	Quantification of Urinary Bladder for Early Detection of Hazard in Oliguric Patient under Dialysis using Embedded System	Springer	Proceedings of the International Conference on Computational Intelligence and Sustainable Technologies	2022
6	Dr. M. Sucharitha	Jyothi B, Sucharitha M, Anitha Patibandla	Low complexity and high speed Montgomery Multiplication based on FFT	Springer	International Conference on Signal Processing, Communications and System Design	2021
7	Dr. R. Chinna Rao	R Chinna Rao, Dr PVY Jayasree , Dr S Srinivasa Rao	Spread Spectrum Based Speech Steganography Using RDWT	IEEE	2nd International Conference on Electronics and Sustainable Communication Systems ICESC	2021
8	P Anitha	Jyothi B, Sucharitha M, Anitha Patibandla	Low complexity and high speed Montgomery Multiplication based on FFT	Springer	International Conference on Signal Processing, Communications	2021

		Multiplication based on FFT			and System Design	
9	P. Swetha	Swetha Pinjerla, Dr.S.Srinivasa Rao, Dr. P.Chandrasekhar Reddy	Sampling Rate Conversion Techniques-A Review	IEEE	IEEE International Conference on Recent Trends in Computer Science and Technology	2022
10	Renju Panicker	Renju Panicker, Sellakkutti Suganthi	Inverse Hilbert Fractal-Metamaterial Rings for Microstrip Antennas and Wideband Applications	IEEE	IEEE International Symposium on Antennas and Propagation and USNC-URSI Radio Science Meeting in Denver	2022
11	Renju Panicker	Renju Panicker, Sellakkutti Suganthi	Progression of Metamaterial for Microstrip Antenna Applications: A Review	Springer	International conference on Intelligent Systems and Sustainable Computing(ICISSC-2021), Intelligent Systems and Sustainable Computing	2021
12	Ajay KDK	Ajay KDK, V Malleswara Rao	Recent Techniques in Image Retrieval: A Comprehensive Survey	Springer	International Conference on Signal Processing, Communications and System Design	2021
13	Ch Kiran Kumar	Chinthakindi Kiran Kumar, Gaurav Sethi, Kirti Rawal	Motion detection and tracking of surveillance videos under distorted environments	Taylor & Francis	Intelligent Circuits and Systems	2021
14	Ch Kiran Kumar	Chinthakindi Kiran Kumar, Gaurav Sethi, Kirti Rawal	An Effective Approach for Object Detection using Deep Convolutional Networks	IEEE	International Conference on. Breakthrough in Heuristics and Reciprocation of Advanced Technologies (IEEE Conference),	2022
15	T Srinivas	Talasila, Srinivas, Rawal, Kirti Sethi, Gaurav	Disease Classification in Black gram Crop Using CNN Transfer Learning	IOP Publishing	International Conference on "Intelligent Circuits and Systems	2022
		Talasila, Srinivas, Rawal, Kirti	Plant Leaf Disease Detection		International Conference on Recent Trends In	

16	T Srinivas	Sethi, Gaurav	and Classification Systems Using CNN Architectures	LPU Publishing	Smart And Sustainable Agriculture For Food Security	2022
17	T Srinivas	Talasila, Srinivas, Rawal, Kirti Sethi, Gaurav	Blackgram Plant Leaf Disease Dataset	Elsevier	Mendeley Data	2021
18	T Srinivas	Talasila, Srinivas, Rawal, Kirti Sethi, Gaurav	Conventional Data Augmentation Techniques for Plant Disease Detection and Classification Systems	Springer	International Conference on Intelligent Systems & Sustainable Computing	2021
19	Dr. B. Jyothi	Jyothi, B., Sucharitha, M., P. Anitha	Wavelet-Based Colon Polyp Detection Using Support Vector Machine Classifier	Springer	Intelligent Manufacturing and Energy Sustainability, Smart Innovation, systems and Technologies	2023
20	Dr. GS Naveen Kumar	VCR Pala, S Kamatagi, S Jangiti, K Swaraja, KR Madhavi, GSN Kumar	Yoga pose recognition with real time correction using deep learning	IEEE	International Conference on Sustainable Computing and Data Communication Systems (ICSCDS)	2023
21	Dr. GS Naveen Kumar	P Kapu, AS Chouhan, S Talasila, GSN Kumar, CK Kumar	A Systematic Comprehension of DL Models for Categorizing Plant Diseases	Springer	International Conference on Soft Computing and Signal Processing, 529-540	2023
22	Dr. Sadanand Yadav	Shubhangi Palekar, Sadanand Yadav, Vinay Kumar, Ashwin Kothari	Sensing Range Analysis in Non-Conventional WSNs: MI Communication	Springer	Recent Trends in Electronics and Communication: Select Proceedings of VCAS 2020	2022
23	Dr. Sadanand Yadav	Utkarsh Sharma, Nimish Nigam, Ujjawal Kumar, Vinay Kumar, Sadanand Yadav, Ashish Pandey, Rakesh Kumar Singh	Abnormality Detection in Heart Using Combination of CNN, RNN and U-Net	Springer	International Conference on VLSI, Communication and Signal processing	2022
24	Dr. M. Sucharitha	Jyothi, B., Sucharitha, M., P. Anitha	Wavelet-Based Colon Polyp Detection Using Support Vector Machine Classifier	Springer	Intelligent Manufacturing and Energy Sustainability, Smart Innovation, systems and Technologies	2023
					Intelligent

25	Dr. Nemani Subash	Anakhi Hazarika, KDK. Ajay, Nemani Subash	A Survey towards implementing Smart Campus	Springer	Intelligent Manufacturing and Energy Sustainability, Smart Innovation, systems and Technologies	2023
26	P. Anitha	Jyothi, B., Sucharitha, M., P. Anitha	Wavelet-Based Colon Polyp Detection Using Support Vector Machine Classifier	Springer	Intelligent Manufacturing and Energy Sustainability, Smart Innovation, systems and Technologies	2023
27	P. Anitha	Anitha Patibandla	A Review on the Detection of the Post COVID-19 Symptomsfor Long Term Diseased Patients using Machine Learning Algorithms	IOPScience	4th International Conference on Intelligent Circuits and Systems	2022
28	CH. Kiran Kumar	CK Kumar, K Rawal	A Brief Study on Object Detection and Tracking	IOPScience	Journal of Physics: Conference Series	2022
29	CH. Kiran Kumar	CK Kumar, G Sethi, K Rawal	An Effective Approach for Object Detection Using Deep Convolutional Networks	IEEE	2022 International Conference on Breakthrough in Heuristics And Reciprocation of Advanced Technologies (BHARAT)	2022
30	T Srinivas	S Talasila, G Vijaya Kumar, E Vijaya Babu, K Nainika, M Veda Sahithi, ...	The Hybrid Model of LSB—Technique in Image Steganography Using AES and RSA Algorithms	Springer	International Conference on Soft Computing and Signal Processing, 403-413	2023
31	Renju Panicker	Renju Panicker, Sellakkutti Suganthi	Inverse Hilbert Fractal-Metamaterial Rings for Microstrip Antennas and Wideband Applications	IEEE	IEEE International Symposium on Antennas and Propagation and USNC-URSI Radio Science Meeting in Denver	2022
32	KDK. Ajay	Anakhi Hazarika, KDK. Ajay, Nemani Subash	A Survey towards implementing Smart Campus	Springer	Intelligent Manufacturing and Energy Sustainability, Smart Innovation, systems and Technologies	2023

33	Neha Thakur	Neha Thakur, H Murthy	Simulation study of droplet formation in inkjet printing using ANSYS FLUENT	IOPScience	Journal of Physics: Conference Series	2022
34	Dr B. Jyothi	Sucharitha.M, B.Jyothi, Arunkumar Madupu, Padala Vanitha	Deep learning Detection of Autism Spectrum disorder in Children and Adults	Springer	3rd International Conference on Intelligent Systems & Sustainable Computing(ICISSC-2023)	2023
35	Dr B. Jyothi	M. Sucharitha, Sunitha Tappari, B. Jyothi, Arunkumar Madupu	Lung Cancer Detection Using Hybrid Methods of Otsu-Based PSO Algorithm Combined with ACO Algorithm	Springer	Soft Computing and Signal Processing: Proceedings of 6th ICSCSP 2023, Volume 1: 864 (Lecture Notes in Networks and Systems)	2024
36	Dr. GS Naveen Kumar	RR Akula, GSN Kumar	Optimizing Intrusion Detection Systems Using Deep Learning and Genetic Algorithms for Network Traffic Analysis: A Survey	Springer	International Conference on Internet of Things and Connected Technologies ...	2024
37	Dr Arunkumar Madupu	T.Vasudeva Reddy, R.Anirudh Reddy, P.Rajesh, Arun Kumar Madupu, S.Harshika, E.Sathwik	Evaluating AODV and DSDV Routing Protocols for Enhanced Performance in Wireless Sensor	IEEE	3rd International Conference on Innovative Mechanisms for Industry Applications (ICIMIA 2023)-IEEE Conf. Proceedings	2023
38	Dr Arunkumar Madupu	Sucharitha.M, B.Jyothi, Arunkumar Madupu, Padala Vanitha	Deep learning Detection of Autism Spectrum disorder in Children and Adults	Springer	3rd International Conference on Intelligent Systems & Sustainable Computing(ICISSC-2023)	2023
39	Dr Arunkumar Madupu	M. Sucharitha, Sunitha Tappari, B. Jyothi, Arunkumar Madupu	Lung Cancer Detection Using Hybrid Methods of Otsu-Based PSO Algorithm Combined with ACO Algorithm	Springer	Soft Computing and Signal Processing: Proceedings of 6th ICSCSP 2023, Volume 1: 864 (Lecture Notes in Networks and Systems)	2024

40	Dr.Nemani Subash	Dr.Nemani Subash, Sushanth Samala, Shivani Tumu and Sooraj Puppala	Wheat Leaf Disease Detection Using Capsnet In Agritech	IEEE	The Second International Conference on Cyber Physical Systems, Power Electronics and Electric Vehicles (ICPEEV 2024)	2024
41	Dr. Nemani Subash	Bikku Ramavath, Dr.Srikanth Kadainti & Dr. Nemani Subash	Sentiment Analysis using Multi Head Self- Attention Mechanism Based Bidirectional Gated Recurrent Unit	IEEE	International Conference on Intelligent Algorithms for Computational Intelligence Systems (IACIS)	2024
42	Dr.Nemani Subash	Rani Swarna Teja, M.Shailaja, Krushima Soma, Dr.Nemani Subash & B.Lakshmi Bhavani	Image Segmentation Enhanced with IoT: Implementation, Innovations, and Insights	Springer	Intelligent Systems and Sustainable Computing (ICISSC)	2024
43	Dr. Sadanand Yadav	Vivek Rai, Gaurav Kumar, Ankit Kumar Kushwaha, Ashish Pandey, Vinay Kumar, Sadanand Yadav	TrALPR: Automatic License Plate Recognition using Transformers	IEEE	2023 International Conference on Modeling, Simulation & Intelligent Computing (MoSICom)	2023
44	Anitha Patibandla	Anitha Patibandla, Kirti Rawal, Gaurav Sethi	A Review on the Detection of the Novel Coronavirus Using Machine Learning Techniques	Springer	International Conference on Information System Design & Intelligent Applications--ISDIA-2024	2024
45	Anitha Patibandla	Dr.A.Mummoorthy, Dr. P. Balamurugan, Ms.Anitha	Enhancing Disaster Response: A Dual-Drone Approach for Efficient Area Scanning and Life Detection	Springer	Soft Computing and Signal Processing Proceedings of 7th ICSCSP 2024, Volume 2	2024
46	Anitha Patibandla	Patibandla A,Rawal, K., Sethi, G	An Efficient Methodology for Preprocessing of COVID-19 Images Using BM3D Technique	Springer	International Conference on Soft Computing and Signal Processing-2023	2023
47	CH. Kiran Kumar	P Kapu, AS Chouhan, S Talasila, GSN Kumar, CK	A Systematic Comprehension of DL Models for Categorizing	Springer	International Conference on Soft Computing	2023

47	CH. Kiran Kumar	Tulasha, GSN Kumar, CK Kumar	of DL Models for Categorizing Plant Diseases	Springer	Soft Computing and Signal Processing	2023
48	CH. Kiran Kumar	ARURU SAI KUMAR, V. Bharath Sreenivasulu, Kiran Kumar CH, Kondeti Keerthi, Shivani Kethapelly, Ragidimilli Sai Abhinav	Quantum Transport Analysis of Nanosheet FETs Utilizing 2D Semiconductor Materials	Springer	International Conference on Soft Computing and Signal Processing	2024
49	CH. Kiran Kumar	Dr. Chevella Anil Kumar, Ambati Pravallika, N Neelima, Kiran Kumar CH	Fusion of Pyramid Real Image Denoising Network and Residual Encoder-Decoder for Cutting-edge Image Restoration for Advancing Industry	Springer	International Conference on Soft Computing and Signal Processing	2024
50	CH. Kiran Kumar	CK Kumar, G Sethi, K Rawal	Advancements in Object Detection and Tracking Techniques: A Comprehensive Review in Variable Illumination Conditions	Taylor & Francis	Intelligent Circuits and Systems for SDG 3–Good Health and well-being	2024
51	CH. Kiran Kumar	CK Kumar, G Sethi, K Rawal	Deep Network Architectures for Object Detection and Tracking: A Review	Springer	Intelligent Manufacturing and Energy Sustainability: Proceedings of ICIMES 2022, Springer	2023
52	Hindol Bhattacharjee	H Bhattacharjee, A Dey, A Saha, P Meher	Threshold Voltage Analysis of E-mode Recessed p-GaN Gate HEMT-A Simulation Based Study	IEEE	2023 IEEE Devices for Integrated Circuit (DevIC) IEEE	2023
53	Dr.B.Nageshwar Rao	Dr.B.Nageshwar Rao, K. Vishnuvardhan Reddy, B.Swetha, V.Thrimurthulu	An Effective Investigation on Comprehensive Methodology of Design and Execution for the Development of a Raspberry Pi-based Mini-PC for Enhanced Productivity using IoT Technology	IEEE	Proceedings of the Ninth International Conference on Communication and Electronics Systems (ICCES-2024)	2024
54	Hindol Bhattacharjee	H Bhattacharjee, A Dey, A Saha, P Meher	Threshold Voltage Analysis of E-mode Recessed p-GaN Gate HEMT-A Simulation Based Study	IEEE	2023 IEEE Devices for Integrated Circuit (DevIC) IEEE	2023

CITATIONS

S.No	Name of The Faculty	Title	Cited by
1	Dr Surampudi Srinivasa Rao	A finite element analysis of initial stresses and displacements in the tooth and the periodontium in periodontally compromised simulations: Labial versus lingual force application	13
		Human activity tracking using RFID tags	10
		Performance analysis of spectrum sensing in cognitive radio under low SNR and noise floor	6
		ASAF ALOHA protocol for dense RFID systems	5
		Early detection of dementia disease using data mining techniques	4
		Cooperative spectrum sensing performance assessment using machine learning in cognitive radio sensor networks	3
		RETRACTED ARTICLE: Hybrid Speech Steganography System using SS-RDWT with IPDP-MLE approach	2
		An integrated VLSI architecture for forward and backward lifting scheme discrete wavelet transform using FinFET device	2
		Ideal frequency rendezvousing for multiuser communication (IFRMC) over cognitive radio network	2
		An Efficient Discrete Wavelet Transform Architecture with Low Power and Multiplier-Less Structure for Pervasive Biomedical Image Processing Application	1
		An efficient discrete wavelet transform architecture with low power and multiplier-less structure for biomedical image processing application	1
		Spread Spectrum Based Speech Steganography Using RDWT	1
		Basic Framework of Different Steganography Techniques for Security Applications	1
		Convolution based multilevel DWT architecture using distributed arithmetic and FIR bi-orthogonal filter for two-dimensional data analysis	1
2	Dr K Mallikarjuna Lingam	Key frame extraction using content relative thresholding technique for video retrieval	2
		Content relative thresholding technique for key frame extraction	1
3	Dr, Sadanand Yadav	Magnetic induction-based non-conventional media communications: A review	76
		Optimal clustering in underwater wireless sensor networks: acoustic, EM and FSO communication compliant technique	75
		Multi-hop communication based optimal clustering in hexagon and voronoi cell structured WSNs	47
		5G cellular: Concept, research work and enabling technologies	29
		Hybrid compressive sensing enabled energy efficient transmission of multi-hop clustered UWSNs	17
		Energy-efficient design of MI communication-based 3-D non-conventional WSNs	15
		Leveraging machine learning in mist computing telemonitoring system for diabetes prediction	15
		Optimal clustering in Weibull distributed WSNs based on realistic energy dissipation model	8
		3D modelling of superconductor enabled magnetic induction transmitter and relay coil for non-conventional media communication	3
		Power efficient and coordinated eICIC-CPC-ABS method for downlink in LTE-advanced heterogeneous networks	3
		3D-multilayer magneto-inductive transceiver coil structure and optimal placement of relays for non-conventional media	2
		Optimal cluster count and coverage analysis in a Gaussian distributed WSNs using TESM	2
		Energy-efficient design of 3D UWSNs leveraging compressive sensing and principal component analysis: A communication techniques perspective	2
		TMSM-based optimal clustering in a Gaussian distributed wireless sensor network	2
		SVD compression and energy harvesting based energy efficient 3D-MI-UWSNs	1
		Relevance feed back content based image retrieval using multiple features	19

		Relvance feed back content based image retrieval using multiple features	19
		An effective multiple visual features for content based medical image retrieval	16
		Slip effects on MHD peristaltic transport of a Williamson fluid through a porous medium in a symmetric channel	14
		Medical image retrieval using moments	13
		Medical image retrieval using multiple features	13
		Integrated multiple features for tumor image retrieval using classifier and feedback methods	11
		Steerable texture descriptor for an effective content-based medical image retrieval system using PCA	9
		Region based texture descriptor for content based medical image retrieval using second order moments	8
		Satellite Image Resolution Enhancement Using DWT And Contrast Enhancement Using SVD	8
		Neural network approach for image retrieval based on preference elicitation	6
4	Dr B Jyothi	Multidimensional feature space for an effective content based medical image retrieval	5
		Influence of magnetic field on hyperbolic tangent fluid through a porous medium in a planar channel with peristalsis	5
		Design and Fabrication of Metallic-Conductive Polymer-Based Hybrid Film Interconnections for Stretchable Electronic Devices	3
		An optimised multidimensional feature vector for automatic tumour detection and retrieving similar images for diagnosing clinically	3
		An improved content based medical image retrieval system using integrated steerable texture components and user interactive feedback method	3
		Slip effects on peristaltic transport of a Prandtl fluid in a channel under the effect of magnetic field	3
		Medical image retrieval using multiple features clustering technique	3
		MRI brain tumor segmentation using automatic 3D blob method	1
5	Dr. Arunkumar Madupu	Analysis and enhancement of capacitive pressure sensor's sensitivity through material engineering processes	5
		Implementation of MEMS capacitive pressure sensor design using COMSOL software	4
		Bagging ensemble mean-shift Gaussian kernelized clustering based D2D connectivity enabled communication for 5G networks	2
		Evaluating AODV and DSDV Routing Protocols for Enhanced Performance in Wireless Sensor Networks	2
		Design, Sensitivity Enhanced Analysis of MEMS CAPS Structures for BP and Glaucoma Measurement	2
6	Dr. R Chinna Rao	Hybrid Speech Steganography System using SS-RDWT with IPDP-MLE approach	2
		Spread Spectrum Based Speech Steganography Using RDWT	1
7	Dr. G. Srinivasa Naveen Kumar	Detection of Shot Boundaries and Extraction of Key Frames for Video Retrieval	19
		Video shot boundary detection and key frame extraction for video retrieval	18
		Key frame extraction using rough set theory for video retrieval	17
		High-performance video retrieval based on spatio-temporal features	15
		Yoga pose recognition with real time correction using deep learning	12
		Image Hiding in a Video-based on DWT & LSB Algorithm	9
		High performance algorithm for content-based video retrieval using multiple features	7
		Intelligent parking space detection system based on image segmentation	7
		BWT & LSB algorithm based hiding an image into a video	3
		IoT-Based energy saving recommendations by classification of energy consumption using machine learning techniques	2
		An efficient approach for video retrieval by spatio-temporal features	2
		Content Based Video Retrieval With Motion Vectors and the RGB Color Model	2
		DWT and LSB algorithm based image hiding in a video	2
		Diagnosis of Pneumonia with Chest X-Ray Using Deep Neural Networks	1

		Recent Trends in Calculating Polarity Score Using Sentimental Analysis	1
		Deep learning approach for image-based plant species classification	1
		Extraction of key frames using rough set theory for video retrieval	1
		A New Method for Human Intestinal Parasites Detection and Classification from Microscopy Images	1
8	Dr N Subash	Estimation of performance metrics for Reversible Data Hiding before encryption	3
9	V Kiran Kumar	Satellite image resolution enhancement using DWT and contrast enhancement using SVD	8
10	P Anitha	Real-time implementation and testing of VoIP vocoders with asterisk PBX using wireshark packet analyzer	4
		VLSI architecture for fast-recovery from NBTI in SRAM cell	2
		A Review on the Detection of the Post COVID-19 Symptoms for Long Term Diseased Patients using Machine Learning Algorithms	1
11	P Swetha	Sampling Rate Conversion Techniques-A Review	3
12	D Asha	Extraction of respiratory rate from PPG signals using PCA and EMD	45
		Content based video retrieval system using multiple features	20
		Content-based video shot boundary detection using multiple Haar transform features	2
13	CH Kiran Kumar	A Brief Study on Object Detection and Tracking	4
		A Low-Power FinFET-Based Miller Op-Amp Design with gm Enhancement and Phase Compensation	1
14	Neha Thakur	Nickel-based inks for inkjet printing: a review on latest trends	18
		Simulation study of droplet formation in inkjet printing using ANSYS FLUENT	11
		Nickel-based inks for flexible electronics—a review on recent trends	7
		An overview on 3D printed medicines	5
		First Principle Calculation Based Investigation on the Two-Dimensional Sandwiched Tri-Layer van der Waals Heterostructures of MoSe2 and SnS2	2
		Direct ink writing of nickel oxide-based thin films for room temperature gas detection	1
		Mathematical model of nickel-graphene composite inks for jetting properties in inkjet printing	1
		Formulation of Nickel Oxide–Graphene Composite Ink and the Fabrication of Thin-Film Electrodes Using Direct Ink Writing	1

LIST OF BOOKS / BOOK CHAPTERS PUBLISHED

Sl. No.	Name of the teacher	Title of the book	Month and Year of publication	ISBN/ISSN number of the proceeding	Name of the publisher	
1	Dr. R. Chinna Rao	Internet of things (IOT) and Applications	Dec-24	ISBN: 978-81-19093-26-7	Sahasra Publications	
2	Dr. R. Chinna Rao	Computer Networks	Dec-24	ISBN: 978-81-19093-84-7	Sahasra Publications	
3	Dr. B. Jyothi	Artificial Intelligence in Healthcare	Nov-23	ISBN:978-81-967509-7- 8	San International Scientific Publications	
4	Dr. ArunKumar Madupu	VLSI Design	Mar-23	ISBN:93943049-6	GCS Publishers, India	
5	Sakthivel P	Wireless Sensor Networks (WSN) with Internet of Things (IOT)	Jan-23	ISBN-10 620563077X	LAP Lambert Academic Publishing	

| 6 | M. Krishna Chaithanya | Fundamentals of Internet of Things | Jul-22 | ISBN: 9798888491119 | Notion Press | |

LIST OF FACULTY MEMBERS GUIDING PH.D STUDENTS:

S.No	Name of the Faculty	Details of PhD Students	
		Awarded	**Pursuing**
1	Dr S Srinivasa Rao	Jaganadh Jadav()	P Swetha(JNTUH, Hyderabad)
		Ch Suneetha(KLU, Guntur)	P. Venkatapathi(KLU, Guntur)
		M Anantha Gupta(SSUTMS, Indore)	Amruta Sonavale
			A Anuradha
			T. Kavitha
2	Dr GS Naveen Kumar		Radha Rani (MRU, Hyderabad)
			Ghanta Raju (MRU, Hyderabad)
			Vijaya Kumari (MRU, Hyderabad)
3	Dr N Subash		B Ramavath (MRU)
4	Dr. B. Nageshwar Rao	Vijay Mishra (Madhyanchal Professional University, Bhopal)	
		Brajesh Kumar (Madhyanchal Professional University, Bhopal)	
5	Dr Perla Anitha		Shravani (MRU, Hyderabad)
6	Dr. G. Anand Kumar		Rama Krishna(MRU, Hyderabad)
			Shilpa (MRU, Hyderabad)

LIST OF FACULTY MEMBERS RECENTLY PH.D AWARDED:

S.No	Name of the Faculty	Month & Year of PhD Awarded	Name of the Univesity
1	Dr. ArunKumar Madupu	NOVEMBER,2021	GITAM DEEMED UNIVERSITY,VISHAKAPATNAM
2	Dr R Chinna Rao	OCTOBER,2021	GITAM DEEMED UNIVERSITY,VISHAKAPATNAM
3	Dr. Maram Anantha Gupta	AUGUST,2022	SRI SATYA SAI UNIVERSITY OG TECHNOLOGY AND MEDICAL
4	Dr. Kamireddy Rasool Reddy	MAY,2023	VELLORE INSTITUTE OF TECHNOLOGY
5	Dr. Srinivas Tallasila	JUNE,2023	LOVELY PROFESSIONAL UNIVERSITY
6	Dr. D. Thaticharla Manasaveena	OCTOBER,2024	JNTUH,ANNANTAPUR

LIST OF THE FACULTY MEMBERS PURSUING PHD:

S.No	Name of the Faculty	Details of PhD
1	V Kiran Kumar	GITAM, Vizag
2	M Ramanjaneyulu	JNTUH, Hyderabad
3	P Anitha	LPU, Punjab
4	P Swetha	JNTUH, Hyderabad
5	D Asha	JNTUH, Hyderabad
6	Ch. Kiran Kumar	LPU, Punjab
7	V. Shiva Raja Kumar	GITAM, Vizag
8	Renju Panicker	Christ University, Bangalore
9	K. Devaki Krushna Ajay	GITAM, Vizag
10	Neha Thakur	Christ University, Bangalore
11	Keesara Vijaya Bharathi	SR University, Warangal
12	Periyamuthaiah Sakthivel	Anna University, Chennai
13	Aishwarya Mallepogu	GITAM, Vizag
14	Hindol Bhattacharjee	NIT, Arunachal Pradesh

5.8.2 Sponsored Research (20)

2023-24 (CAYm1)

Project Title	Duration	Funding Agency	Amount(in Rup
MSME IDEA Hackathon 3.0	3 Day	MSME Innovation Scheme	1500000.00
		Total Amount(X)	

2022-23 (CAYm2)

Project Title	Duration	Funding Agency	Amount(in Rup
Improvised explosive device	8-8-2022 to 16-12-2022	MSME Govt.of INDIA	616000.00
EES- Easy Emergency Ser	29-8-2022 to 18-11-2022	MSME Govt.of INDIA	616000.00
Smart platform design and i	6-9-2022 to 20-12-2022	Win Will Technical Services	420000.00
		Total Amount(Y)	

2021-22 (CAYm3)

Project Title	Duration	Funding Agency	Amount(in Rup
Affordable solar mobile cha	7-1-2022 to 11-3-2022	MSME Govt.of INDIA	425000.00
Segway- A self balancing R	6-12-2021 to 18-3-2022	MSME Govt.of INDIA	616000.00
		Total Amount(Z)	

Cumulative Amount(X + Y + Z) =   4193000.00

5.8.3 Development activities (15)

5.8.3 Developmentactivities(15)

Provide details:

- Product Development
- Research laboratories
- Instructional materials
- Working models/charts/monograms etc.

PRODUCT DEVELOPMENT

Startups under TBI

Company Registered Name:TRACKION LIGHT8 TECHNOLOGIES PVT.LTD

ABOUT TRACKION:

Trackion is a Semiconductor based company specializing in Internet of Things (IoT) technology. We develop IoT Pixels, small, battery-free tags that harvest energy from radio frequencies to provide real-time data about objects conditions and locations. Their Ambient Intelligence Platform integ
devices, enabling businesses to monitor inventory, reduce waste, and enhance supply chain transparency. Trackion's technology is particularly impactful in sectors like Consumer-Packaged Goods (CPG), facilitating better tracking and management of products throughout their lifecycle.

We have trained and incubated in AIC-SKU under the guidance of ECE Department of MRCET-TBI.

TEAM DETAILS:

S.No	NAME of CANDIDATE	DESIGNATION	COLLEGE ROLL NO
1	D.SUBHANAND	CEO	22N35A0411
2	V.SRI HARI SARMA	CTO	22N35A0426
3	H.ADARSH	COO	22N35A0413
4	G.GANESH	CFO	22N35A0412
5	P.SAI LOKESH	CMO	21N31A04H1

TEAM NAME: HARVEST HIVE INNOVATORS

SERVICE DEVELOPMENT

Startups under TBI

Company Registered Name:HARVEST HUB

ABOUT HARVEST HUB

The problem addressed is the difficulty faced by farmers in a 50 to 60 km radius in selling their products at fair prices due to limited market access and information gaps. The solution is to create a platform connecting farmers directly with buyers in the
transparent negotiations and enhance profitability.

We have attended **VANTHENA 7.O**Pre-Incubation Program in SKU University, Anantapur.

TEAM DETAILS:

S. No	Name of Candidate	Designation	College Roll No
1	N. Nikhil Ram Mahendra	Founder	22N31A0485
2	M. Mohan Krishna	Co-Founder	22N31A0481

Problem Solved by the Invention:

image restoration and noise reduction in embedded 5 image processing systems, using deep learning techniques optimized for lowlatency and low-power devices. This invention is relevant for applications in areas such as surveillance, autonomous ve devices, where efficient and effective image quality enhancement is critical in resourceconstrained environments.
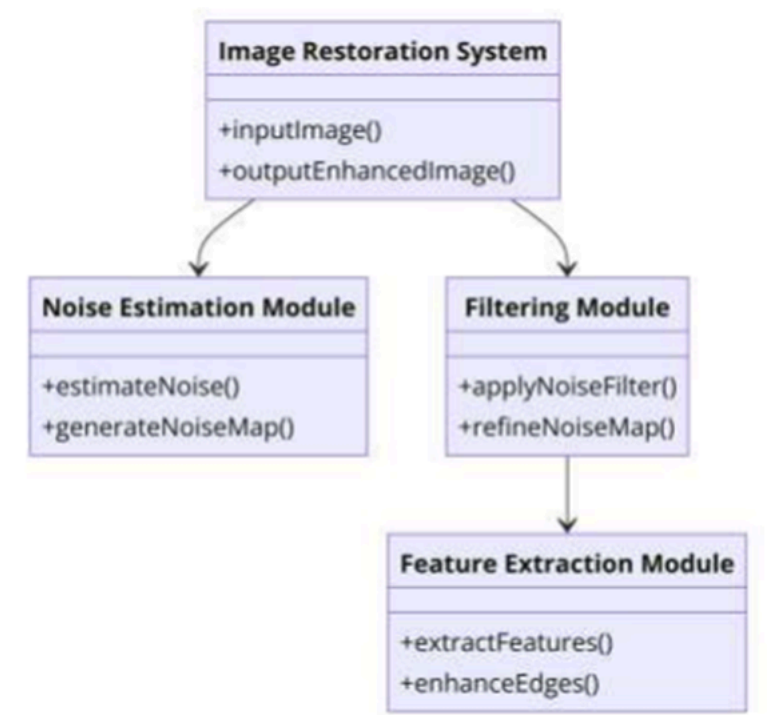
TITLE OF THE INVENTION: Edge AI-Based Image Compression and Transmission Optimization for High-Resolution Video Streaming over 5G Networks

Problem Solved by the Invention: The present invention pertains to the fields of edge computing, artificial intelligence, video streaming, and telecommunications. More specifically, it relates to the use of AI at the network edge to perform image compression 5 and transmission optimization for streaming over 5G networks. This invention addresses challenges in delivering real-time, highquality video content by leveraging the computational capabilities at the network edge, thereby reducing latency and optimizing bandwidth utilization
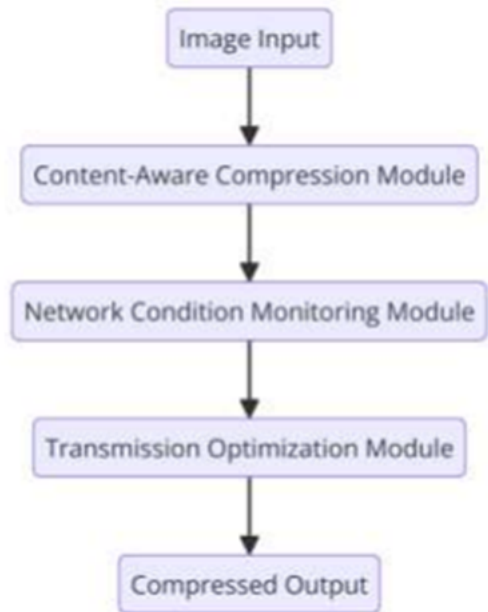
TITLE OF THE INVENTION: Context based simulation models using Internet of Things

Problem Solved by the Invention: The present invention relates to the field of the context-based simulation models. The invention more particularly relates to a context-based simulation models using Internet of Things and method thereof.
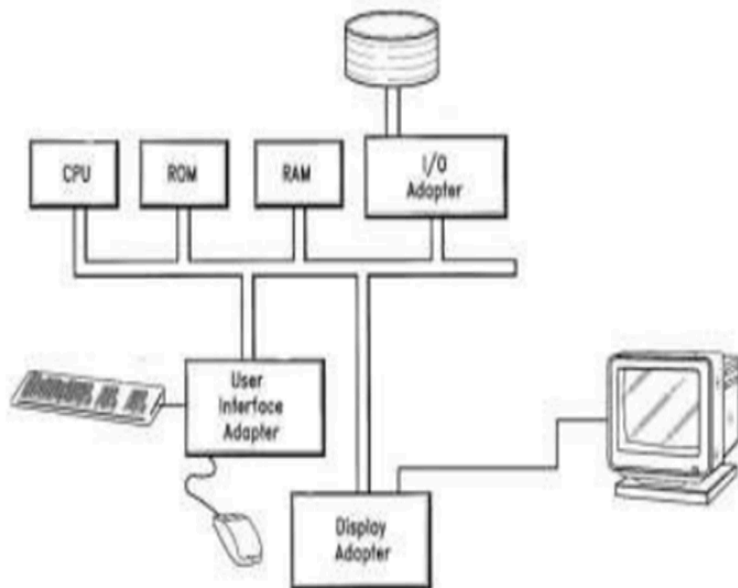
TITLE OF THE INVENTION: Multi-Tenant Routing Gateway For Iot Devices

Problem Solved by the Invention: The present invention relates to the field of multi-tenant routing gateway for IoT devices through AI & ML based data processing. The invention more particularly relates to a data processing device and a software for handling 5 and routing of multi-tenant IoT gateway and method thereof.
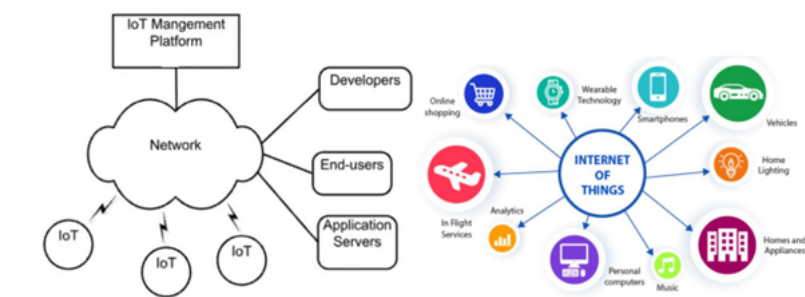
TITLE OF THE INVENTION: A System For Tagging Iot Device Based On Convolutional Neural Network (Cnn) And Method Thereof

Problem Solved by the Invention: The present invention relates to the field of an IoT networking with a plurality of tagging devices for generating data including sensor data. The invention more particularly relates to the system for tagging IoT Device based 5 on Convolutional Neural Network
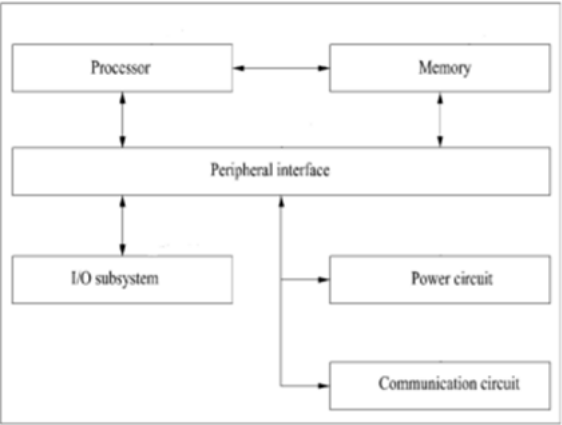
TITLE OF THE INVENTION: A machine learning-based Platform for Distributed IoT Systems

Problem Solved by the Invention: The present invention relates to the field of the network security using Machine learning in an IoT network and, more specifically, to methods and systems for dynamic distributed network intrusion monitoring, detectic invention more particularly relates to a machine learning based platform for distributed IoT system and method thereof.
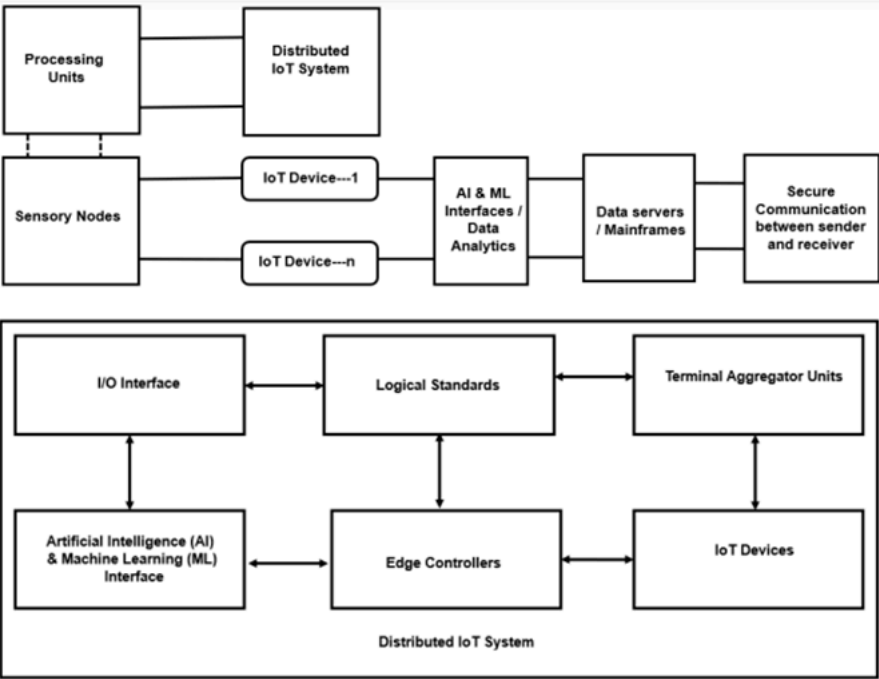
TITLE OF THE INVENTION: An Image Processing Device with sensors and Neural Network Modules

Problem Solved by the Invention: The present invention relates to the field of the image processing method and a sensor device, and particularly to a technology that assumes coloring processing for an image signal obtained by an array sensor. The 5 inv relate to a system for image processing device with sensors and neural network modules and method thereof.
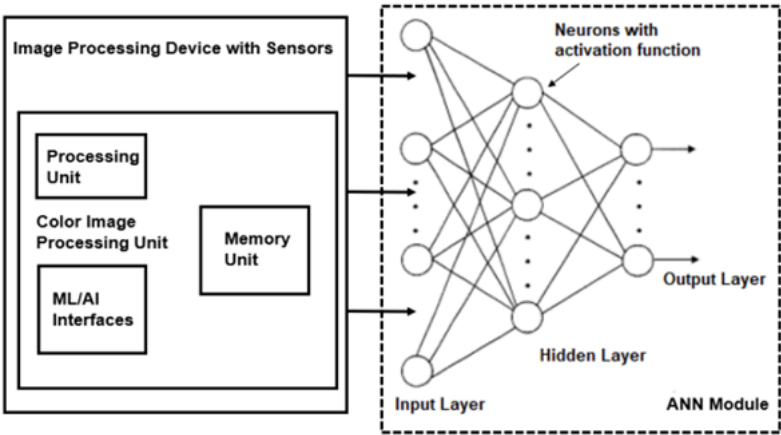
TITLE OF THE INVENTION: Robotics-Human And Machine Collaboration System For Healthcare Units

Problem Solved by the Invention: The current invention is a system Robotics-Human and Machine collaboration for healthcare units. It has robotic interface that can understand gestures and speech of humans and has collaboration with machine in order to have functionalities that help healt Interface (HRI) is built in such a way that the gestures and speech of human are understood by robot in order to perform intended operations. Respective commands are constructed from the gestures or speech followed by command integration to result in robot functionalities. Cloud based his have data analytics arriving at business intelligence (BI) that leads to improved possibilities in human robot interface further. The robotic functionality is made up of neural networks that is constructed appropriately.
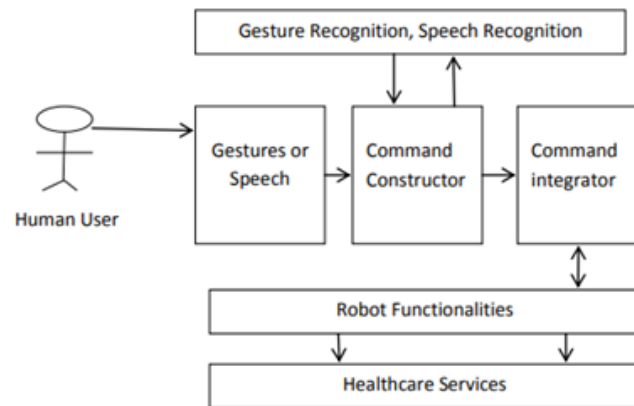
TITLE OF THE INVENTION: Remote Health Monitoring System With Wearable Sensors And Iot Towards Real Time Healthcare Services

Problem Solved by the Invention: The current invention is meant for providing remote health monitoring service using wearable devices, sensors and IoT network integration. It makes use of fog computing and cloud computing with appropriate servic Quality of Service (QoS). The wearable devices have underlying sensors that are uniquely identified by RFID technology. IoT smart devices capture health related data and disseminate the data to either fog or cloud based on the application requiremen to monitor remote patients and provide near real time healthcare services.
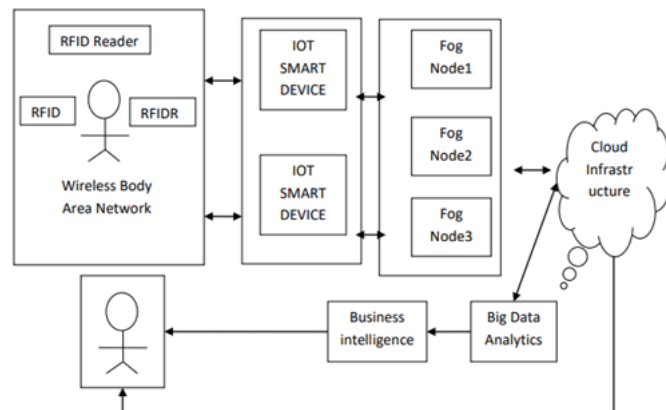
LIST OF FACULTY PATENTS:

S.No.	Name of the Faculty	Title of Patent	Year	Inventor /Co-Inventor	Application No.	Status
1	Dr Arunkumar Madupu, P Anitha, V Shiva Raj Kumar, Chintakindi Kiran Kumar, Dr D Damodara Reddy, D Asha, K Bhavana, Dr Padala Vanitha, Dr Pulugu Dileep	System for 3D Object Detection and Recognition Using Stereo Images and Deep Learning in Autonomous Vehicles	2025	Inventor	20254100l372	Published 17-01-2025
2	Dr. K. Mallikarjuna Lingam,Dr. S. Srinivasa Rao, Dr. Sadanand Yadav,Mr.M. Ramanjaneyulu,Ms. P. Swetha,Mr. V. Shiva Raj Kumar,Ms. Renju Panicker,Ms. K. Bhavana	Novel Deep Learning-Based Method for Real-Time Image Restoration and Noise Reduction in Embedded Image Processing Systems	2024	Inventor	2.02441E+11	Published 22-11-2024
3	Dr. S. Srinivasa Rao,Dr. K. Mallikarjuna Lingam,,Dr.R.Chinnarao, Dr.Arunkumar Madupu,V. Kiran Kumar,Mrs.Anitha Patibandla,D. Asha,Ch. Kiran Kumar,E. Mahendra Reddy,K. Devaki Krushna Ajay	Edge AI-Based Image Compression and Transmission Optimization for High-Resolution Video Streaming over 5G Networks	2024	Inventor	2.02441E+11	Published 22-11-2024
4	Dr Arunkumar Madupu,	Portable Food Microbiology Analyzer	2024	Inventor	428550-001	Granted 08-10-2024
5	Dr. K. Mallikarjuna Lingam,Mrs.Anitha Patibandla, Dr.Padala Vanitha,Mrs.Renju Panicker, Mrs.Neha Thakur,Dr.Arunkumar MadupuDr.Anup Dey,Mr.Hindol Bhattacharjee,Dr.R.Chin narao	Context based simulation models using Internet of Things	2024	Inventor	2.02341E+11	13-01-2023
6	Dr. Anup Dey	IOT BASED GAS CHROMATOGRAPHY	2022	Inventor	Application No.350721-001	Published 16/12/2022
7	Dr. M.Arun Kumar	A MACHINE LEARNING BASED SYSTEM FOR PHYSICAL ATTACK PROTECTION FOR VLSI CHIP LEVEL HARDWARE SECURITY AND METHOD	2022	Inventor	Application No.202241030 171 A	Published 03/06/2022

		SECURITY AND METHOD THEREOF				
8	Ch Kiran Kumar	AN INTELLIGENT BLACK GRAM CROP LEAF DISEASE IDENTIFICATION AND CLASSIFICATION ROBOT	2022	Inventor	Application No.202211075 132 A	Published 30/12/2022
9	Vijaya Bharathi	IMT SEGMENTATION OF CCA THROUGH POINTS OF INTEREST BY DECOMPOSITION TECHNIQUES: AN SVM REGRESSION BASED APPROACH FOR VALIDATION	2022	Inventor	Application No.202241050 687 A	Published 16/09/2022
10	Dr.Padala Vanitha, Mrs.Pinjerla Swetha,Dr.G Srinivasa Naveen Kumar, Dr.N.Subash, Mr.D.B.V.Ravisankar, Mrs.Patibandla Anitha, Dr.Arunkumar Madupu, Dr.Nagesh Deevi, Dr.Rayudu Chinnarao	MULTI-TENANT ROUTING GATEWAY FOR IOT DEVICES	2022	Inventor	Application No.202231005 505 A	Published 04/03/2022
11	Dr.Nagesh Deevi, Dr.N.Subash, Dr.K.Mallikarjuna Lingam, Mrs.Neha Thakur, Mrs.G.Vaidehi, Mrs.Patibandla Anitha, Dr.Arunkumar Madupu	A SYSTEM FOR TAGGING IOT DEVICE BASED ON CONVOLUTIONAL NEURAL NETWORK (CNN) AND METHOD THEREOF	2021	Inventor	Application No.202141051 612 A	Published 03/12/2021
12	Dr.G Srinivasa Naveen Kumar, Dr.N.Subash, Mr.Maram Anantha Guptha, Mr.T.Vinay Simha Reddy, Mr.D.B.V.Ravisankar, Mrs.Baggam Swathi, Mrs.Pinjerla Swetha, Mrs.Neha Thakur, Mr.Rayudu Chinnarao	A MACHINE LEARNING-BASED PLATFORM FOR DISTRIBUTED IOT SYSTEMS	2021	Inventor	Application No.202141045 329 A	Published 05/11/2021
13	Dr.G Srinivasa Naveen Kumar, Mrs.Neha Thakur, Mr.D.B.V.Ravisankar, Mrs.Surata Rajani, Mrs.Pinjerla Swetha, Mr.Kanumalla D Krushna Ajay, Mrs.Renju Panicker, Mr.Arunkumar Madupu, Mr.Srinivas Talasila, Mr.Rayudu Chinnarao	AN IMAGE PROCESSING DEVICE WITH SENSORS AND NEURAL NETWORK MODULES	2021	Inventor	Application No.202141042 009 A	Published 01/10/2021

14	Dr. M.Arun Kumar	AI FOR EFFICIENT ASSESSMENT AND PREDICTION OF HUMAN PERFORMANCE IN COLLABORATIVE LEARNING ENVIRONMENTS	2021	Inventor	2.02141E+11	Published 27/08/2021
15	Dr. R. Chinna Rao	ARTIFICIAL INTELLIGENCE TOOL FOR RICE LEAF DISEASE DETECTION AND CLASSIFICATION	2021	Inventor	Application No.202141035 807 A	Published 27/08/2021
16	Dr. R. Chinna Rao	FUZZY LOGIC CONTROLLED TRAFFIC LIGHT CONTROLLING SYSTEM USING MORPHOLOGICAL OPERATORS WITH IMAGE STA	2021	Inventor	Application No.202141030 418 A	Published 16/07/2021
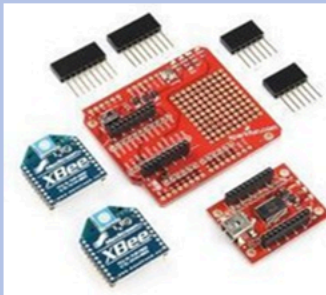
5.8.3.1 RESEARCH LABORATORIES:
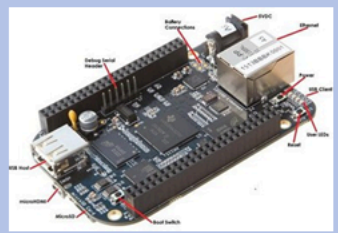
"Centre of Excellence in Robotics and IoT" is established to carry out Research Works, Consultancies, Major and Mini Projects. The emergence of the department is the consequence of the heavy demand from the industry on robotics and IoT and the need to tackle the many fundamental and arising in a rapidly evolving field.

The Research Centre mission is to:

- Train students to have a sound understanding of the fundamentals of the theory and practice of Robotics, Embedded Systems, and IoT.
- Enable students to become leaders in the industry and academia nationally and internationally.
- Meet the pressing demands of the nation in the areas of Robotics and IoT.

The available equipment in the Centre is given below:

S.NO	Facility Name	Details	Reasons for creating such facility	Sample Images
1	Computers	I5 core processor 8GB RAM 250 GB SSD	To carry Project & research	
2	General Purpose Robot Kit	*Basics of wheeled robots *Remote controlled robot *Line follower robot. *Obstacle avoider robot *Wall follower robot *Photophobic / vore robot *Gesture controlled robot *Intelligent obstacle avoider With ultrasonic sensor *Path mapping robot *Computer controlled robot (using xbee kit)	To carry Project & research work	
3	Arduino Embedded Systems Kit	Digital I/O Analog I/O Using analog sensors Using digital sensors Displays (16x2 character , 7 segment LED) Communications (UART , SPI, I2C) Communicating with host computer IR Communication Wireless communication using xBee devices GSM Modem : learning to use AT commands to connect to a GSM Modem Port expanders etc	To carry Project & research work	
4	Wireless Zig Bee Network Kit	Operating Frequency: ISM 2.4 GHz Antenna type: Wire antenna Indoor/Urban Range up to 300 ft. (90 m) Outdoor RF line-of- sight Range up to 2miles (3200 m) Interface: Serial(UART) at 1200 Kbps - 1 Mbps Supply Voltage: 2.7 – 3.6V Transmit Current 205mA (@ 3.3 V) Receive Current 47mA (@ 3.3 V)	To carry Project & research work	

5	TI 16 Bit Controller Dev Kit	14-/20-pin DIP (N) socket Built-in flash emulation for debugging and programming 2 programmable LEDs 1 power LED 1 programmable button 1 reset button 16 Bit controller FRAM for storage Low power design	To carry Project & research work	
6	ARM Developers Kit	512MB DDR3 RAM 4GB 8-bit eMMC on- board flash storage 3D graphics accelerator NEON floating-point accelerator 2x PRU 32-bit microcontrollers 13 " monitor Cables and connectors as necessary USB Hub	To carry Project & research work	
7	Development Board 8051	8-bit microcontroller with additional peripherals, 64 KB Flash, 1 KB data memory and ISP, 7 segment LCD display	To carry Project & research work	
8	ARM 9 LPC 2929 Development Board	On board I2C, SPI, CAN, ADC, Rs 232C and SD Card compatible	To carry Project & research work	
9	FPGA Board	Useful for VLSI related Projects	To carry Project & research work	
10	Mentor Graphics HEP1 & HEP2- Frontend and Backend VLSI Tool	VLSI Front end and Backend Tool useful for VLSI related projects	To carry Project & research work	
11	Vivado Xilinx Tool	VLSI Front end and Backend Tool useful for VLSI related projects	To carry Project & research work	
12	MATLAB Simulation Tool	Useful for all ECE related Projects and Research Works	To carry Project & research work	

| 13 | Wireshark Simulation Tool | Open Source Simulation Tool useful for Communication related projects | To carry Project & research work | |
| 14 | Additional Sensor Kit | Small passive buzzer module KY-006 , 2- color LED module KY-011, Hit sensor module KY-031, Vibration switch module KY-002, Photo resistor module KY-018, Key switch module KY-004, Tilt switch module KY-020, 3- color full-color LED SMD modules KY-009, Infrared emission sensor module KY-005, 3- color LED module KY-016, Mercury open optical module,KY-017, Yin Yi 2-color LED module 3MM KY-029, Active buzzer module KY-012, Temperature sensor module KY- 013, Automatic flashing colorful LED module KY-034, Mini magnetic reed modules KY-021, Hall magnetic sensor module KY-003, Infrared sensor receiver module KY-022, Class,Bihor magnetic sensor KY- 035, Magic light cup module KY-027, Rotary encoder module KY-040, Optical break module KY-010, Reed module KY-025, Obstacleavoidance sensor module KY- 032,, Hunt sensor module KY-033, Microphone sound sensor,module KY- 038, Laser sensor module KY-008, 5V relay module KY-019, Temperature sensor module KY-001, Temperature sensor module KY-028, Linear magnetic Hall sensors KY-024, Flame sensor module KY-026, Sensitive microphone sensor module KY-037, Temperature and | To carry Project & research work | |

15	IOT Kit	Universal IoT Kit- PHY-1412B, IoT Sensors, Bluethooth HC-05 Module, Wifi Modular, NodeMCU Microcontroller, MQTT, Zigbee	To carry Project & research work	

5.8.3.1 WORKING MODELS/CHARTS/MONOGRAMS

WORKING MODELS

Title :DENSITY BASED TRAFFIC LIGHT CONTROL SYSTEM USING ARDUINO

Description: The project is aimed at designing a Density Based Traffic Light Control system where the timing of signal will change automatically on sensing the traffic density at any junction. We implemented a mechanism to assign the time period of green light and red lightbased on the densit time. This is achieved by using PIR (proximity Infrared sensors). Once the density is calculated, the glowing time of green light is assigned by the help of the microcontroller (Arduino). The sensors which are present on sides of the road will detect the presence of the vehicles and sends the info (Arduino) where it will decide how long a flank will be open or when to change over the signal lights.
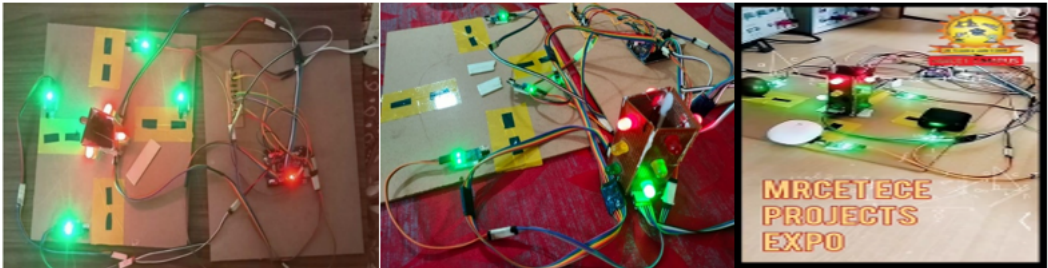

Title: SUN TRACKING SOLAR PANEL USING ARDUINO

Description: As we can already observe, the global warming has a heated influence on the world. For operating electrical appliances, we can use solar energy as electricity. The difficulty we can observe presently is most of the solar panel used only statically by a user. The solar panel cannot located on the east and the sun is situated on the west. So, we implemented a Solar Tracker. We used LDR to feel the strength of the light at 30 degrees or a total of 180 degrees each and relayed the data to Arduino. This Arduino compares the data and rotates a servo motor toward the sun in motor rotates the solar panel according to the highest light intensity. The solar tracker aims to improve output power from stationary solar tracking systems.
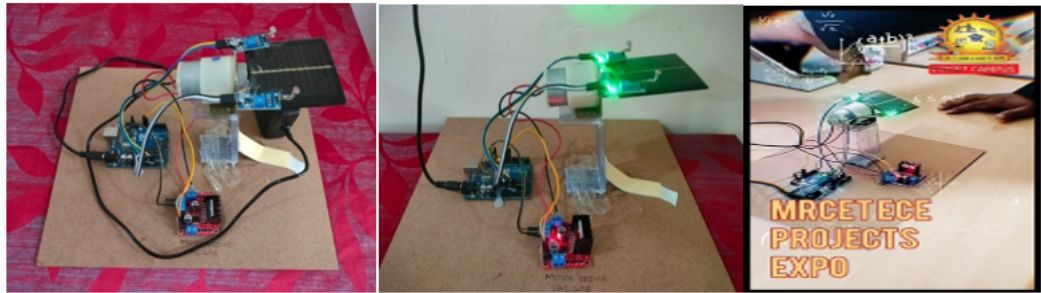
Title: EMPOWERING PATIENT CARE IN HOSPITALS WITH ANDROID TECHNOLOGY

Description: Now-a-days, people are facing a lot of effect caused by blood pressure, pulse rate, and temperature which may cause a very critical damage to our health. For example, in old age homes people are facing with this that they are unable to know any type ofsymptoms (it may be typh time. So, this project brings a brief about our Heart beat, Blood pressure, Temperature and by this technology we may know our data frequently and the past data of our health status will be recorded and saved in the thing speak and we can find the records whenever we want about that inform sense the heart rate and body temperature using pulse sensor, Temperature etc. We implemented using Arduino.
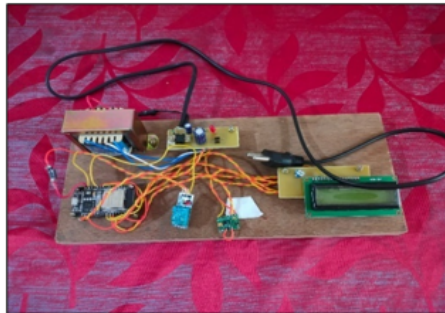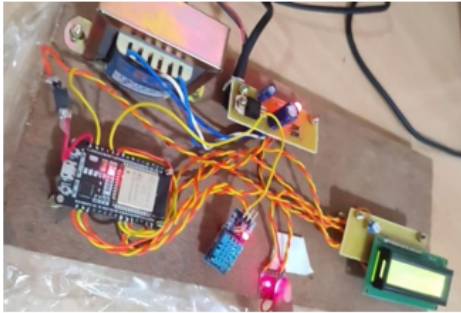
Title: ADVANCED WOMEN SAFETY USING IOT TECHNOLOGY

Description: Every girls top concern in todays society is how to stay safe from harassment. We implemented a women safety system where it will contact and send alert messages to neighboring police stations and family members when a woman is in d
information is delivered as an SMS alert to numbers that have been saved in terms of latitude and longitude when a woman presses the button or it is automatically enabled when she is in distress.
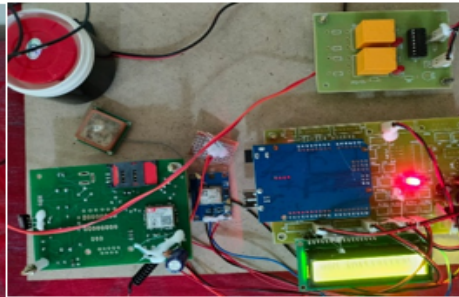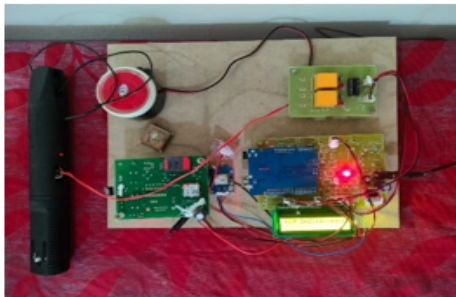
Title: FIREFIGHTING ROBOT

Description: Fire incident is a disaster that can potentially cause the loss of life, property damage and permanent disability to the affected victim. Major fire accidents do occur in industries like nuclear power plants, petroleum refineries, gas tanks, chemical factories and other largescale fire ind
consequences. We implemented a robotic vehicleto control the fire. The real time firefighting robot moves in a constant speed, identify the fire and then extinguish it with the help of pumping mechanism. It has advantageous features such as ability to detect location of fire automatically besides
lightweight structure. The operator is able to extinguish fire using remote control from longer distance. Operators can also monitor the environmental conditions during the process of firefighting by using the camera.
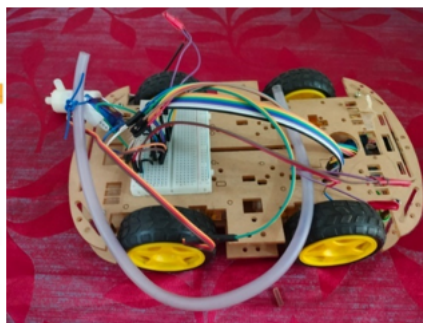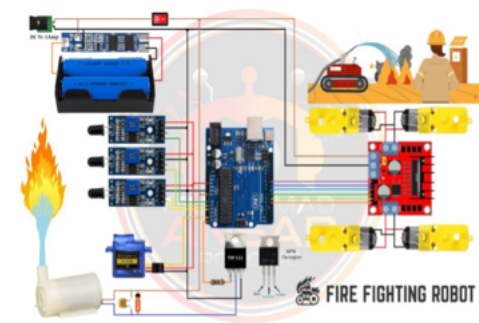
Title: ASSISTIVE SMART CAP FOR BLIND

Description: Vision is a beautiful gift to humans. We developed an ultrasonic sensor based smart cap prototype as an electronic travel aid for blind people that can help them travel independently. Smart Cap is an intelligent wearable hat which is used to guide or navigate a person who is visua
distance measurement sensors and voice/vibration feedback system which helps any blind or visually impaired person to navigate through the environment and also prevents from collision which reduces risk of accident.
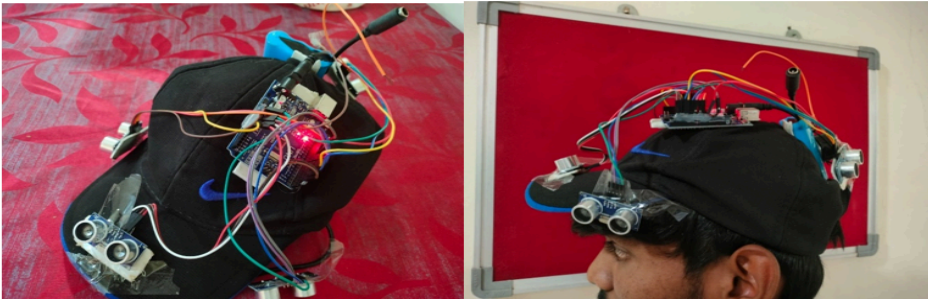
Title: UV STERILIZATION ROBOT

Description: A UV Sterilization Robot has been developed and put into use to perform disinfection without the involvement of humans. Instead of employing manual sanitizers, UV sanitization robots are intended to simplify the sanitization procedure. Three 20W UV led that emit beam of light w...
possibility that UV light is harmful to humans, an encapsulated system based on Arduino Microcontroller and IR sensors is being used on top of device to detect movement and the existence of people or animals.
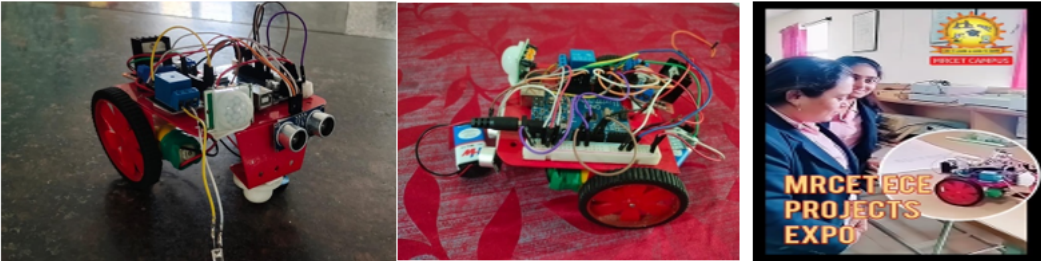
CHARTS:
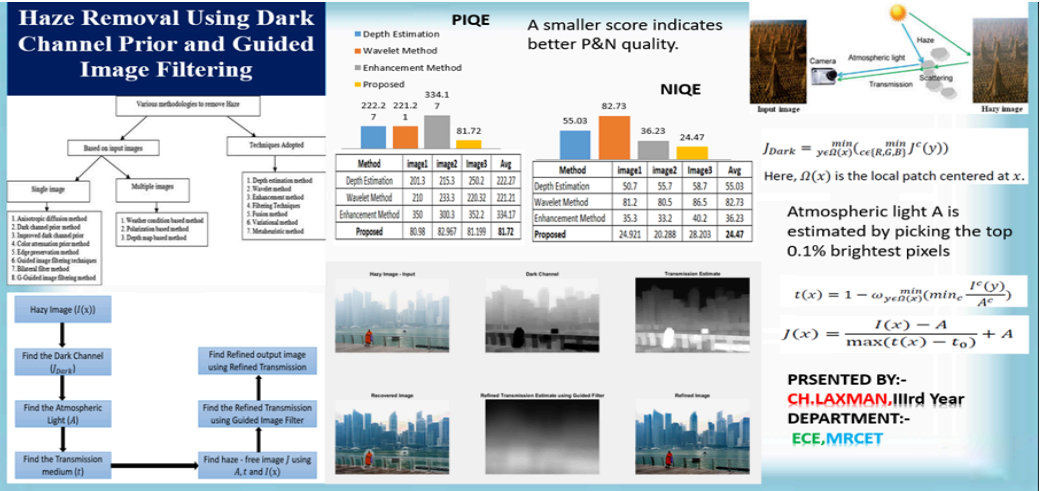
UNDER WATER IMAGE ENHANCEMENT USING IMAGE PROCESSING

Block Diagram of Proposed System

Proposed System

Step 1: Image Input: The user selects an image, and it is loaded into the program for processing.

Step 2: Convert Image to Grayscale and Scale to RGB: Converts the image to grayscale using intensity values and then replicates the grayscale image into three channels (R, G, B) for consistency.

Step 3 : Color Balancing (Histogram Equalization): Enhances the image contrast by stretching its dynamic range using histogram equalization.

Step 4: Bilateral Filter : Applies edge-preserving smoothing to reduce noise while maintaining sharp edges.

Step 5: Saliency Detection : Detects the most visually significant areas by subtracting the difference between luminance and its low-pass filtered version.

Step 6: Weight Map Calculation: Normalizes the saliency map to create a weight map, which will guide the fusion process.

Step 7: Gaussian Pyramid Construction : Builds a multi-resolution representation of the image by applying Gaussian blurring at multiple levels.

Step 8: Laplacian Pyramid Construction : Captures the image's high-frequency details by subtracting Gaussian pyramid levels to form the Laplacian pyramid.

Step 9: Fusion Process : Combines the color-balanced and bilateral-filtered images using the weight map to enhance important areas of the image.

Step 10: Final Sharpening and Contrast Enhancement : Applies unsharp masking to improve edge clarity and contrast adjustment to enhance overall image quality.

Unsharp Masking: Unsharp masking enhances edges by subtracting a blurred version of the image from itself.

Contrast Stretching:

Step 11: Mean Square Error (MSE): Compute the MSE between the original and enhanced image. The lower the MSE, the better the quality of the enhanced image.

Step 12: Peak Signal-to-Noise Ratio (PSNR):

Presented By

P. UMANA TEJASWINI
N. KISHOR
N. VARAPRASAD

2023-24 (CAYm1)

Project Title	Duration	Funding Agency	Amount(in Rupees)
Autonomous R	11-10-2023 to	INAS Technolo	450000.00
			Total Amount(X): 450000.00

2022-23 (CAYm2)

Project Title	Duration	Funding Agency	Amount(in Rupees)
Learning Mage	10-1-2023 to 3	INAS Technolo	250000.00
			Total Amount(Y): 250000.00

2021-22 (CAYm3)

Project Title	Duration	Funding Agency	Amount(in Rupees)
FPGA implementation of Im	21-1-2022 to 2	COIGN Techno	230000.00
Atroads App Services	3-7-2021 to 7-1	INAS Technolo	340000.00
			Total Amount(Z): 570000.00

Cumulative Amount(X + Y + Z) = 1270000.00

5.9 Faculty Performance Appraisal and Development System (FPADS) (10)

5.9. Faculty Performance Appraisal and Development System (FPADS) (10)

Faculty members of Higher Educational Institutions today have to perform a variety of tasks pertaining to diverse roles. In addition to instruction, Faculty members need to innovate and conduct research for their self-renewal, keep abreast with changes in technology, and develop curricula. They are also expected to provide services to the industry and community for understanding and contributing to the solution of real life problems in industry. Another role relates to the shouldering of administrative responsibilities and co-operation with other Faculty, Head An effective performance appraisal system for Faculty is vital for optimizing the contribution of individual Faculty to institutional performance.

The assessment is based on:

- A well-defined system for faculty appraisal for all the assessment years(5)
- Its implementation and effectiveness (5)

We believe in the premise that people are more productive when they agree on what is expected of them and receive feedback on their performance. The success of the appraisal process is essentially associated with establishing a constructive dialogue between the appraisers a process for both the department/college and faculty as it improves communication channels between both sides.

This aims at helping faculty get a clearer idea of their expected important roles in the department/College and University, given that academic staff members are the essence of the education system. Ultimately it is the caliber and standards of the faculty members that have the m Planning is part of the process of assisting faculty members improve such standards.

According to College By-laws, Faculty members are expected to:

- Provide up-to-date reports involving teaching activities and student advising as assigned by the department.
- Be responsible for course development and participate in curriculum and program development.
- Fulfill all instruction a land advising responsibilities as specified in the policies and procedures.
- Participate in scholarly and research activities which enhance their professional development and contribute to their discipline.
- Serve as appropriate in, the department and college committees.
- Provide professional services to the Department, College and community.

In addition, criterion 5 of ABET (Accreditation Board for Engineering and Technology), the accreditation body for engineering programs, focuses on faculty members. It states that

"The faculty is the heart of any educational program. The faculty must be of sufficient number; and must have the competencies to cover all of the curricular areas of the program. There must be sufficient faculty to accomm faculty interaction, student advising and counseling, university service activities, professional development, and interactions with industrial and professional practitioners, as well as employers of students.

The program faculty must have appropriate qualifications and must have and demonstrate sufficient authority to ensure the proper guidance of the program and to develop and implement processes for the evaluation, asse improvement of the program, its educational objectives and outcomes. The overall competence of the faculty may be judged by such factors as education, diversity of backgrounds, engineering experience, teaching experie enthusiasm for developing more effective programs, level of scholarship, participation in professional societies, and licensure as Professional Engineers."

MRCET Faculty Self Performance Appraisal System:

1 Rationale

The College decided to develop a customized version of the appraisal system. The rationale behind this move is:

- Embedding the "professional" nature of the college in the system (linking courses to industry, design, and real-world problems).
- Targeting a simpler but more effective and relevant evaluation system.
- Having a clearer link to the development system for faculty members, which is one of the main aims of the evaluation system? Based on the departments needs, there should be a mutual agreement between the head and the faculty member on developing their strength areas, focus on their weak areas, or a combination of both.
- Determining the intellectual value added by each faculty member.
- Capitalizing on the role of different ranked faculty members in the education process.

2. General Objectives

The evaluation system has the following main aims:

- Helping faculty members recognize areas in need of development or improvement and capitalize on their areas of strength.
- Building a database that can be used for promotion applications.
- Helping the college set a program for faculty development.
- Creating a fair indication for annual merit increases and other rewards programs to be developed.
- Providing opportunities for discussion and feedback in order to identify problems, obstacles, or difficulties that hinder progress and institution development.

3. General Guidelines

The evaluation system should be applied to all **"regular faculty members"** defined in the bylaws as:

"Regular faculty members are full-time individuals who hold full professional ranks and who are appointed by the College and ratified by the University to fulfill the following functions and duties:

- Teaching and scholarly endeavors
- Program and course development
- Student advisement
- College, Department, and community services
- Other functions and duties deemed necessary by the Department and College

This process is conducted annually (at the end of the academic year), and the outcome of the evaluation is kept confidential. It is by no means a way to compare one faculty member against another.

4. Responsibilities and Evaluation

Conducting the departmental evaluation is the sole responsibility of the department head and should not be delegated to any other member of the department. However, the head can seek help from other faculty members to conduct specific tasks in the evaluation process.

After the departmental evaluation, the **Dean for Academics and Principal** will review it and send recommendations to the department head.

The **College Evaluation System** defines the evaluation areas to be:

1. Teaching and instruction
2. Scholarship and research
3. College, Department, and community service

5. Procedures

- During the first two weeks of the odd semester, each department head will hold a department meeting during which the following will be addressed:

1. Refresh the team with the mission and vision of the department.
2. Update on the status of implementation of the department academic plan and advisory committee recommendations.
3. Agree on the annual plan for the department.

- During the following week, the head will hold an individual meeting with each department faculty member. During this meeting, they discuss the individual plan of the member in terms of teaching, research, and services, as well as the College an plans. The development plan of the member should then be addressed, and required resources should be agreed upon. The plan will include an agreement on the special distribution of effort over the three evaluation areas (i.e., teaching, resear
- Within two days of the meeting, the member should submit a hard/soft copy of his/her plan for the year.
- The head will then confirm that the plan is in line with the discussion agreement in the meeting
- ·A follow-up meeting will be held whenever needed.
- Faculty members will submit their achievements and any supporting documents in the prescribed faculty appraisal form. This task is due on the last day of teaching.
- The Head of the Department will hold appraisal meetings with faculty members in the department to go over achievements and provide feedback.
- Faculty members are required to sign the summary sheet for evaluation, which is an indication that they have seen the scores.
- Faculty member signature on the form doesn't necessarily mean that the member agrees with the result.
- Any appeal on the evaluation results should be submitted within two weeks of the meeting to the department head.
- The Head of the Department will submit the evaluation summary of faculty members to the Principal through the Dean of Academics by the end of the final exams period.

1) **Evaluation Components**

1. Teaching (50-60%)

1.1 General Guidelines

- Each faculty member will submit course files for all taught courses that include all course materials together with samples of students work. Each faculty member will pick one course file for evaluation.
- The average student feedback score will be used in the evaluation and not a certain course feedback
- Course improvement may involve adopting new teaching pedagogies, new assessment methods, new technology or software, new applications related to the local industry, converting a course to be an online course, or combinations of these.
- All courses will be managed using Blackboard to achieve the minimum score of "satisfactory."
- For faculty with reduced loads or with buyout time, teaching weight can be reduced to 40%.

1.2 Evaluation Rubric

- **5**: Excellent student evaluation (greater than 92%), outstanding course file(s), substantial improvement in a course or introduction of a new course, and an excellent effort for self-improvement through attending workshops. Examples of excellent performance indicators include winning teaching prizes, writing a journal paper in the area of teaching, delivering presentations, conferences, and demonstrating exceptional skills in teaching/learning.

- **4:** Very good student evaluation (greater than 85%), very good course file(s), good improvement in a course, and an obvious effort for self-improvement through participating in workshops, delivering presentations, and conferences.

- **3:** Good student evaluation (greater than 75%), a good and complete course file(s), some improvement in a course, and a reasonable effort for self-improvement through attending workshops, presentations, and conferences.

- **2:** Fair student evaluation (greater than 60%), course file is not complete, no course improvement, and no evidence of self-development.

- **1:** Poor student evaluation (< 60%). No course file. The faculty member will be given a warning and further action may be considered.

1.3 Performance Metrics

- Student Evaluation: **35%**
- Content and Quality of Course File: **30%**
- Course Improvement: **20%**
- Self-Development: **15%**
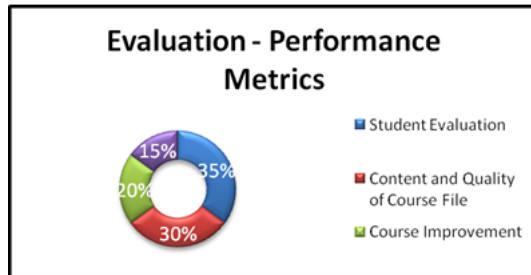
2. Research & Scholarship (20-40%)

2.1 General Guidelines

- Each faculty member will include his/her recent publication record (past 2 years included) for the head to check the progress.
- Senior faculty members are expected to publish in internationally well-reputed, indexed journals with a high impact factor in its field.
- Research in priority areas of the department will have a higher weight.
- Collaborative research is highly recommended.
- Research funding and intellectual property generation will be counted.
- A leading author is the author whose name appears as a single or first author on a jointly published paper or the second author on a paper whose first author is a graduate student or a postdoc supervised by the second author.

2.2 Evaluation Rubric

- **5:** A leading author on at least three papers in significant indexed journals over the past two years, receiving (or managing) a significant external grant as a lead PI in the current year, which is in line with the departments goals/areas of interest, and solid efforts in research development
- **4:** A leading author on at least two papers in significant indexed journals over the past two years, or receiving an external grant as a lead PI in the current year, which is in line with the departments goals/areas of interest, or receiving a patent, and a very good effort in research developr
- **3:** Publishing one paper in significant indexed journals over the past two years, or a leading author on at least two papers in an international and significant conference over the past two years, receiving research grants in the role of PI or Co-PI with good effort in research development.
- **2:** No journal or conference publications in the past two years with little effort to improve research capabilities.
- **1:** no publications at all over the past three years with any effort to improve research capabilities.

2.3 Performance Metrics

- Publications: 30-80%
- Research Grants: 0-50%
- Self-Development**:** 20%
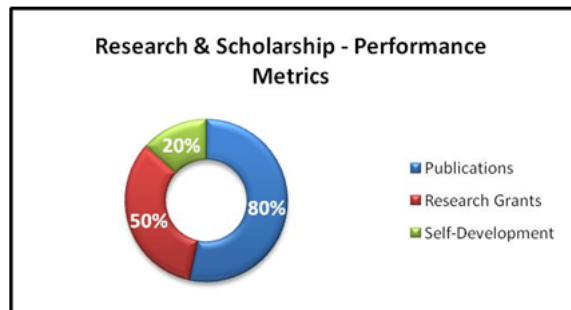
3.Services and Personal Development (10-30%)

3.1 General Guidelines:

- It is the role of the head to capitalize on the strength of each member of the department by nominating them to different college and department committees or assigning them other special duties such as coordination
- Faculty members involved in services outside the college should keep the head informed about their activities and their exact roles and contributions.
- All faculty members are expected to be members of professional societies, both local and international. Every effort must be deployed to achieve this target.
- All faculty members are expected to engage in the implementation of the college and department strategic plan by being involved in relevant projects or tasks.
- All faculty members are expected to engage in their personal development in one or several areas of teaching, research, or community service to improve in any area of perceived weakness or in areas where the faculty wants to go from an exce outstanding assessment.
- Services are expected to be delivered to the department, college, and the profession through all available venues.

3.2 Evaluation Rubric

- **5:** Exceptional contribution to and/or impact on a department/college committee, an active/leading role in supporting technical publications (journals, conferences), giving at least one seminar a year, exceptional student advising, providing consulting services, and outstanding self-devel attitude and a high level of collegiality.
- **4:** Effective contribution to internal committees, active support of professional organizations, good and effective student advising, and clear self-development efforts. Very good attitude and collegiality.
- **3:** Acceptable contribution to internal committees, basic contribution to student advising, occasional support of professional organizations, and minimum self-development efforts. Good attitude and collegiality.
- **2:** Contribution to committees is attendance at most, weak student advising, no involvement in professional societies, and no sign of self-development.
- **1:** No involvement in department, college, or university services/activities, no student advising, and no evidence of personal development. The faculty member will get a warning, and further action may be taken.

3.3 Performance Metrics

- Attitude of collegiality and initiative: 15%
- Contributions to department/college committees: 30-50%
- External committees/consulting, journal editorial duties, or membership in conference TPC (Technical Program Committees), reviewer for technical publications; external service: 10-30%
- Student advising: 15% (if applicable)
- Self-development, seminars/courses, etc.: 10%
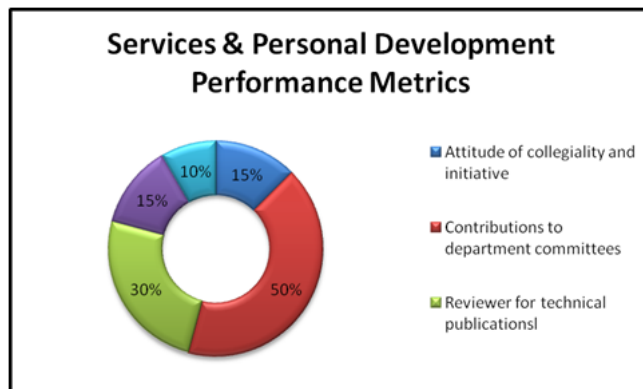
The format of the **College Faculty Self-Performance Appraisal Report** is shown below:

PageNo: 1

PageNo:2

Page No: 3

PageNo:4

4. Student Feedback

The subject feedback of each faculty is taken every semester from students. Faculty's performance parameters are rated out of 5, and the overall performance percentage is calculated.

There is a well-defined format used for the analysis. Here is a sample of it:

10/29/24, 11:14 AM   Digital Campus | Campx

| V. Kiran Kumar ASSOCIATE PROFESSOR | SIGNALS AND SYSTEMS | Responses 52 \| 72 | Average Score 36.73/40 | Average Percentage 91.83/100 | Rating -- |

| ECE Faculty Feedback 2-1 15 Oct, 2024 - 31 Oct, 2024 | Classroom ECE-B | Batch 2023 - 2024 | Course B.TECH | Program Electronics and Communications Engineering (ECE) |

Serial No.	Question	Average Score	Maximum Score	Percentage
1	Presentation Skills	4.67	5	93.46
2	Command Over the Class	4.65	5	93.08
3	Subject Knowledge	4.69	5	93.85
4	Regularity/Punctuality	4.48	5	89.62
5	Lecture Material/Notes	4.65	5	93.08
6	Assignment/Question Answer Sessions	4.50	5	90.00
7	Students Motivation	4.40	5	88.08
8	Overall Rating	4.67	5	93.46

Principal

After taking the feedback from the students, the score given by the students is consolidated, and analysis is done for every faculty of the concerned subject.

Indices used for measuring the quality of teaching are as follows:

S.No	Rating	Score
1	Excellent	5
2	Very Good	4
3	Good	3
4	Satisfactory	2
5	Below Average	1

Once the analysis is ready, the Principal, Dean of Academics, and Head of the Department inform each individual faculty, and corrective measures are taken for the subjects where the feedback is less.

The feedback and analysis for the past academic years are given below.

We believe in the premise that people are more productive when they agree on what is expected of them and receive feedback on their performance. The success of the appraisal process is essentially associated with establishing a constructive dialogue between the appraisers and the apprai process for both the department/college and faculty as it improves communication channels between both sides.

This aims at helping faculty get a clearer idea of their expected important roles in the department, college, and university, given that academic staff members are the essence of the education system. Ultimately, it is the caliber and standards of the faculty members that have the most influence Planning is part of the process of assisting faculty members in improving such standards.

According to College Bylaws, faculty members are expected to:

- Provide up-to-date reports involving teaching activities and student advising as assigned by the department.
- Be responsible for course development and participate in curriculum and program development.
- Fulfill all instructional and advising responsibilities as specified in the policies and procedures.
- Participate in scholarly and research activities that enhance their professional development and contribute to their discipline.
- Serve, as appropriate, in the department and college committees.
- Provide professional services to the Department, College, and community.

In addition, Criterion 5 of ABET (Accreditation Board for Engineering and Technology), the accreditation body for engineering programs, focuses on faculty members. It states that:

"The faculty is the heart of any educational program. The faculty must be of sufficient number and must have the competencies to cover all of the curricular areas of the program. There must be sufficient faculty to accommodate adeq service activities, professional development, and interactions with industrial and professional practitioners, as well as employers of students.
The program faculty must have appropriate qualifications and must have and demonstrate sufficient authority to ensure the proper guidance of the program and to develop and implement processes for the evaluation, assessment, an improvement of the program, its educational objectives, and outcomes. The overall competence of the faculty may be judged by such factors as education, diversity of backgrounds, engineering experience, teaching experience, abilit enthusiasm for developing more effective programs, level of scholarship, participation in professional societies, and licensure as Professional Engineers."

The feedback analysis for the academic year 2024-25 I Semester is shown below:

FEED BACK ANALYSIS II BTECH I SEM (2024-25)

SECTION -A

S. No	NAME OF THE FACULTY	SUBJECT	FEEDBACK
1	Dr R Chinna Rao	Analog Circuits	92.97
2	DR. G. Anand Kumar	Network Analysis and Synthesis	85.71
3	Mr E Mahender Reddy	Digital Logic Design	91.43
4	Dr K Mallikarjuna Lingam	Signals and Systems	92
5	Ms N Saritha	PTSP	95.29
6	S Revathi/Renju Panicker/N Saritha/K Vijaya Bharathi	Analog Circuits Lab	80/86.21/92.26/83.23
7	V Shivaraj/E Mahender	Digital Logic Design Lab	91.52/92.73
8	Ms N Saritha/R Ramya	Basic Simulation Lab	92.73/84.52
9	K Chandrashekar	Foreign Language-French	87.27

II A SEM1
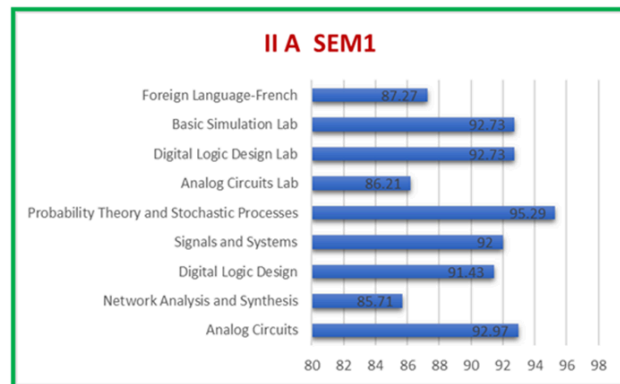
SECTION -B

S. No	NAME OF THE FACULTY	SUBJECT	FEEDBACK
1	Dr R Chinna Rao	Analog Circuits	88.57
2	DR. G. SRINIVASA NAVEEN KUMAR	Network Analysis and Synthesis	78.49
3	Mr K Suresh Kumar	Digital Logic Design	80
4	V Kiran Kumar	Signals and Systems	93.46
5	K Vijaya Bharathi	PTSP	86.8
6	K Vijaya Bharathi/Santhosh/Neha/Dileep	Analog Circuits Lab	78.30/79.17/87.76/78.30
7	K Suresh / Neha Thakur	Digital Logic Design Lab	85.96/86.38
8	V Shivaraj Kumar /Deepika	Basic Simulation Lab	91.49/80.85
9	K Chandrashekar	Foreign Language-French	84.26
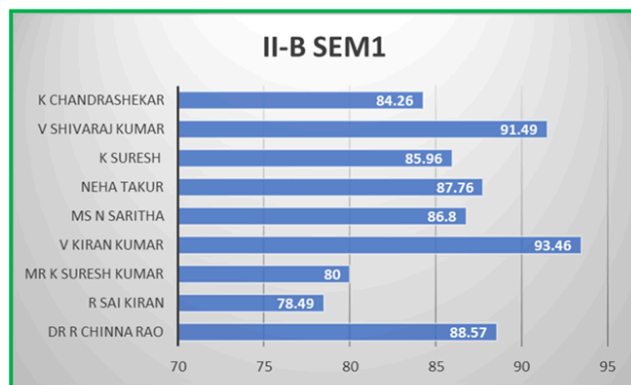
FEED BACK ANALYSIS III BTECH I SEM(2024-25)

SECTION -A

S. No	NAME OF THE FACULTY	SUBJECT	FEEDBACK
1	DR Nagabhushana Babu	Micro Processors & Microcontrollers	80
2	Ms. P Anitha	AIML	73.33
3	DR. G. Anand Kumar	Control Systems	70.37
4	Dr P Anitha	DCCN	76.3
5	MS G Vaidehi	JAVA Programming	85.6
6	Dr Nagabhushana babu/KDK Ajay	MPMC Lab	73.64/74.29
7	G Vaidehi/P Anitha/D Asha	AIML Lab	81.90/73.33/73.33
8	DR B Nageshwar rao	Application Development-1	61.9
9	Dr ASN Murthy	Professional Skill Development-1	80.95
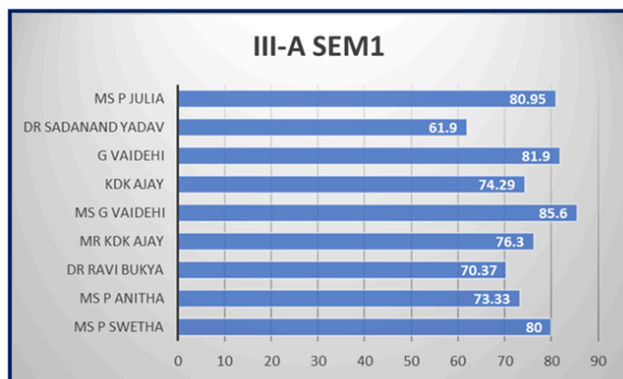
III-A SEM1

SECTION -B

S. No	NAME OF THE FACULTY	SUBJECT	FEEDBACK
1	Ms. P Swetha	Micro Processors & Microcontrollers	86.32
2	Mr. Ch Kiran Kumar	AIML	73.33
3	D Nageswara Rao	Control Systems	72.94
4	Mr. KDK Ajay	DCCN	82.5
5	MS G Vaidehi	JAVA Programming	83.53
6	P Swetha/KDK Ajay	MPMC Lab	89.23/85.45
7	Dr N Subash/Ch Kiran Kumar	AIML Lab	87.69/85
8	Mr. Hindole Bhattacharja	Application Development-1	72.73
9	Dr ASN Murthy	Professional Skill Development-1	96.92

III-B SEM1
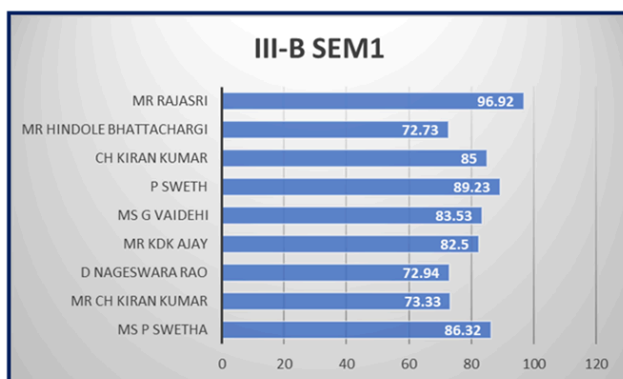
FEED BACK ANALYSIS IV BTECH I SEM(2024-25)

SECTION -A

S. No	SUBJECT	NAME OF THE FACULTY	FEEDBACK
1	CH. KIRAN KUMAR	VLSI Design	75.74
2	P. SAKTHIVEL	Microwave Engineering	66.67
3	NILOFER	Embedded System Design	66.29
4	S DEEPIKA	Radar Systems	73.51
5	Dr. SADANAND YADAV	Image& Video Processing	68
6	CH. KIRAN KUMAR/Dr P ANITHA	VLSI Lab	75.00/61.11
7	D.ASHA/ S DEEPIKA/ SAKTHIVEL	EM & MW Lab	70.30/72.94/66.29
8	Dr. M ARUN KUMAR	Mini Project	68.57

IV-A SEM1

MINI PROJECT	68.57
EM & MW LAB	70.3
VLSI LAB	75
IMAGE& VIDEO PROCESSING	68
RADAR SYSTEMS	73.51
EMBEDDED SYSTEM DESIGN	66.29
MICROWAVE ENGINEERING	66.67
VLSI DESIGN	75.74
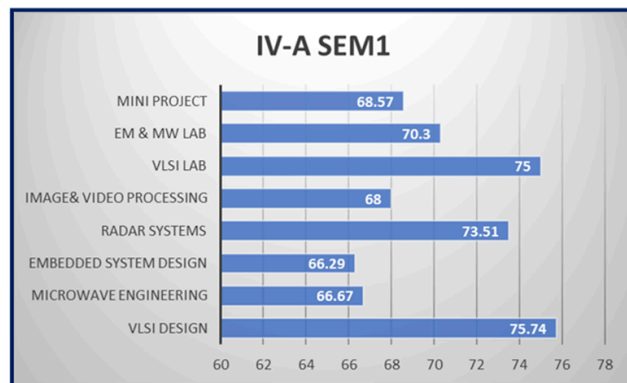
SECTION -B

S. No	NAME OF THE FACULTY	SUBJECT	FEEDBACK
1	K. SURESH	VLSI Design	76
2	M. SREEDHAR REDDY	Microwave Engineering	89
3	R. RAMYA SMRUTHI	Embedded System Design	87
4	MR HINDOL BHATTACHARGE	Radar Systems	69.74
5	V.SHIVARAJ KUMAR	Image& Video Processing	79.49
6	Dr SANADANAND /V SHIVARAJ KUMAR/ HINDOL	VLSI Lab	77.95/76.92/76.84
7	Dr. P VANITHA/ R RAMYA/ M SREEDHAR REDDY/ A. DILEEP	EM & MW Lab	77.89/84.62/83.08
8	Dr P VANITHA	Mini Project	77.73

IV-B SEM1

Subject	Value
MINI PROJECT	77.73
EM & MW LAB	83.08
VLSI LAB	76.92
IMAGE& VIDEO PROCESSING	79.49
RADAR SYSTEMS	69.74
EMBEDDED SYSTEM DESIGN	87
MICROWAVE ENGINEERING	89
VLSI DESIGN	76
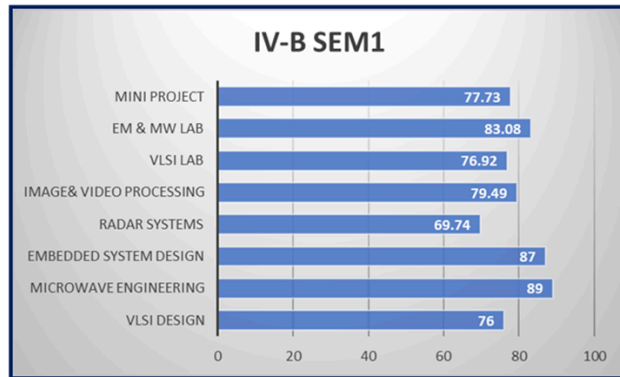
SECTION -C

S. No	NAME OF THE FACULTY	SUBJECT	FEEDBACK
1	E. MAHENDER REDDY	VLSI Design	88.11
2	RENJU PANICKER	Microwave Engineering	77.14
3	D SANTHOSH KUMAR	Embedded System Design	79.46
4	S REVATHI	Radar Systems	73.53
5	D.ASHA	Image& Video Processing	86.86
6	KDK AJAY/E MAHENDER REDDY	VLSI Lab	74.19/88.48
7	RENJU PANICKER/NILOFER/ A DILEEP/P SAKTHIVEL	EM & MW Lab	76.67/70.34/72.41/72.67
8	Dr N SUBASH	Mini Project	83.23

IV-C SEM1

Subject	Value
MINI PROJECT	83.23
EM & MW LAB	72.67
VLSI LAB	74.19
IMAGE& VIDEO PROCESSING	86.86
RADAR SYSTEMS	73.53
EMBEDDED SYSTEM DESIGN	79.46
MICROWAVE ENGINEERING	77.14
VLSI DESIGN	88.11
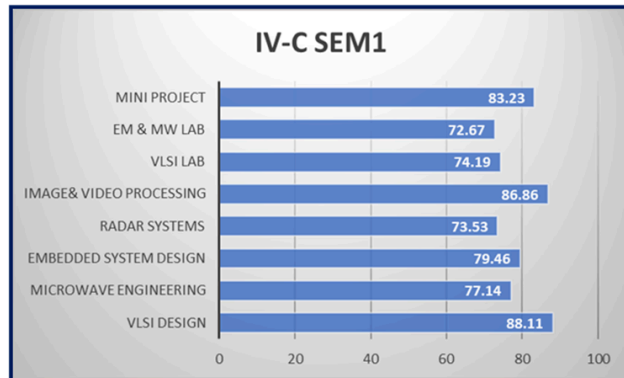
SECTION -D

S. No	NAME OF THE FACULTY	SUBJECT	FEEDBACK
1	P. ANITHA	VLSI Design	76.57
2	M. SREEDHAR REDDY	Microwave Engineering	78.75
3	M. RAMANJANEYULU	Embedded System Design	84.52
4	ANAND KUMAR DR	Radar Systems	76.13
5	V.KIRAN KUMAR	Image& Video Processing	88
6	1.Dr GS Naveen Kumar 2. D SANTHOSH	VLSI Lab	75.17/80.69
7	M RAMANJANEYULU NILOFER/M ARUN KUMAR Dr. P VANITHA	EM & MW Lab	77.04/70/72.14/71.11/
8	MRS g VAIDEHI	Mini Project	75.56
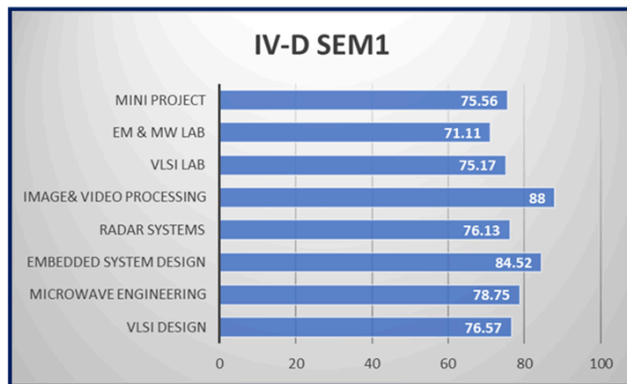
IV-D SEM1

- MINI PROJECT: 75.56
- EM & MW LAB: 71.11
- VLSI LAB: 75.17
- IMAGE& VIDEO PROCESSING: 88
- RADAR SYSTEMS: 76.13
- EMBEDDED SYSTEM DESIGN: 84.52
- MICROWAVE ENGINEERING: 78.75
- VLSI DESIGN: 76.57

Basis of Reward/Corrective Measures, if any:

System of Reward:

- Best faculty award is given based on student's feedback, HOD's evaluation, the faculty's self-appraisal report and the marks given by Faculty appraisal committee, headed by Principal. The increments and promotions are also bearing some effect on these scores.
- Level of feedback is taken into account while evaluating the staff for promotion. Performance rating of faculty through student feedback system is one of the factors in evaluating the annual performance of the faculty.
- Based on the annual performance of the faculty the annual increments are released.

Corrective Measures:

- The faculties performing below average are asked for written explanation and counseled to improve their performance in future.
- Senior faculty attends the class of the concerned teacher and the mode of improvement in teaching is suggested.
- Those teachers who have not obtained good appraisals have a detailed discussion with the HOD on how to improve the teaching.Both study the metrics where the teacher has failed to impress the students and steps charted out, for improvement.
- If the subject is new, concerned teachers are deputed for training.
- Faculty development program is conducted regularly for all teachers who are new to the profession.

5.10 Visiting/Adjunct/Emeritus Faculty etc. (10)

5.10. Visiting/Adjunct/Emeritus Faculty etc. (10)

Acontributions in teaching and learning and /or research by visiting/adjunct/Emeritus faculty etc. for all the assessment years:

- Provision of visiting/adjunct faculty (1)
- Minimum 50 hours per year interaction with adjunct faculty from industry/retired professors etc. (9)
- (Minimum 50 hours interaction in a year will result in 3 marks for that year; 3marks x 3years= 9marks)

The following are the list of Subject experts visiting our institute for the past 3 academic years. The visit is arranged once/twice in a semester in the form of expert guest lectures and the student is allowed to interact aim is to expose the latest technologies being used in the industry.

S.No	Academic Year	Name of the Expert	Industry/ Organization	Subject for which services are utilized	Teaching Hours
1	2022-23	Mr. Vijay Veera	Skill Development Expert	Embedded Systems	50
		Mr. P Sanjeeva Reddy	Rt Scientist, DRDO	Radar System	50
		Mr. Ramesh Naidu	Craftronics	PCB Design	50
2	2023-24	Mr. Surya Adavi	Free lancer	Deep Learning	50
		Mr. P Sanjeeva Reddy	Rt Scientist, DRDO	Radar System	50
		Mr. P Suresh Kumar	Scientist D, NRSC	Image Processing	50
3	2024-25	Mr. Surya Adavi	Free lancer	Deep Learning	50
		Mr. P Sanjeeva Reddy	Rt Scientist, DRDO	Radar System	50
		Mr. P Suresh Kumar	Scientist D, NRSC	Image Processing	50

6 FACILITIES AND TECHNICAL SUPPORT (80)

6.1 Adequate and well equipped laboratories, and technical manpower (40)

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	Analog Circuits	3	a)Cathode ray	80	B Pramod	Laboratory Ass	Diploma
2	Basic Simulatic	1	a)Computers b	70	B Kishan	Laboratory Ass	B.Tech
3	Digital logic De	1	a) Computers I	70	B Kishan	Laboratory Ass	B.Tech
4	Electronic Circu	1	a)Cathode ray	70	B Pramod	Laboratory Ass	Diploma
5	Analog & Digita	1	a) Cathode Ra	70	V Geetha	Laboratory Ass	B.Tech
6	Linear and Digi	1	a) CROs b) Xi	70	B Yashwanth	Laboratory Ass	B.Sc Electronic
7	Digital Signal F	1	a) Digital Signa	70	B Yashwanth	Laboratory Ass	B.Sc Electronic
8	Microprocessor	1	a) 8086 Microp	70	B Yashwanth	Laboratory Ass	B.Sc Electronic
9	VLSI Design La	1	a) Computers I	70	B Kishan	Laboratory Ass	B.Tech
10	ElectroMagneti	3	a) Reflex Klyst	70	V Geetha	Laboratory Ass	B.Tech
11	Artificial Intellig	1	a)Computers b	70	V Geetha	Laboratory Ass	B.Tech

6.2 Laboratories maintenance and overall ambiance (10)

MAINTENANCE OF LABORATORY EQUIPMENTS

- Regular check up of equipment is carried out at the end of every semester.
- Breakdown register is maintained in the laboratories.
- As per the requirement minor repairs are carried out by the lab assistant/faculty member.
- Maintenance of computers is taken care by CSE department.
- Major repairs are outsourced by following the procedure of the institute.

Maintenance 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.
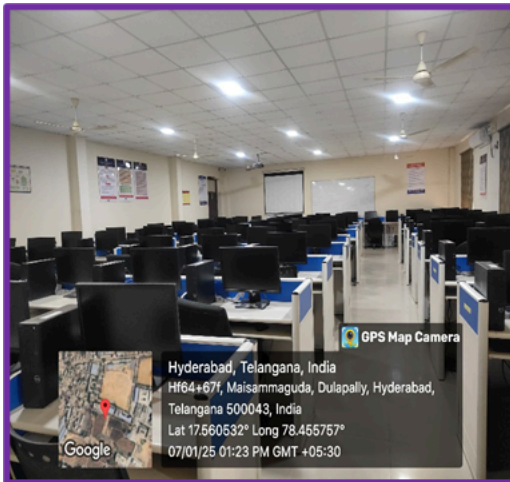
Step 2: Providing sufficient air circulation and enough lighting to the main server of the computer lab.

Step 3: **Posting "Computer Lab Rules" sheet that clearly states computer lab restrictions.** These may include prohibition of food and drink, downloading software,opening attachments, removal of equipment, access to illicit sites and more.

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 li

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.
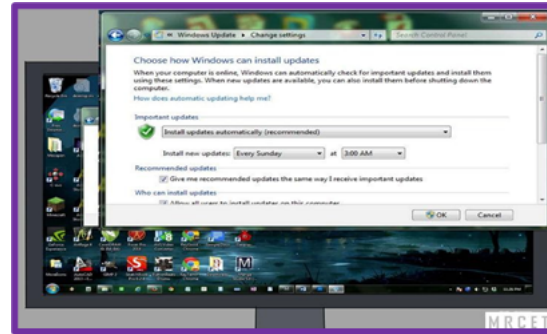
Step 7: Installing an anti-virus program on the computers and/or network. This will usually stop a program from downloading if it suspects a virus
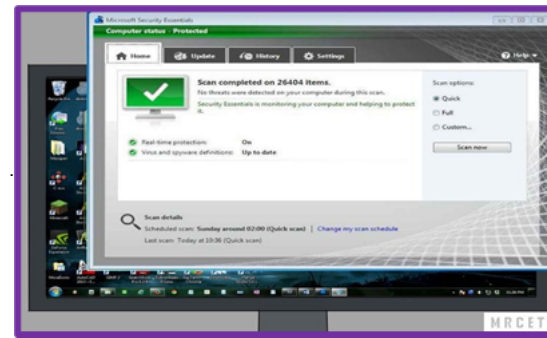
Step 8: Installing an anti-spyware program on computers and/or network. Spyware programs install themselves onto computers to gather personal information. Anti-spyware programs can stop these harmful programs from corrupting or filling up your computer.

- Some computer labs choose to download a spyware program purposefully onto their lab computers. These programs are sometimes called "keyloggers," and they can gather data about how the lab computers are being used for the system administrators.
- Anti-virus and anti-spyware programs are especially important for Windows operating systems. Schedule scans on both programs every week. Apple computers have been less susceptible to viruses in the past; however, they are increasingly under threat.
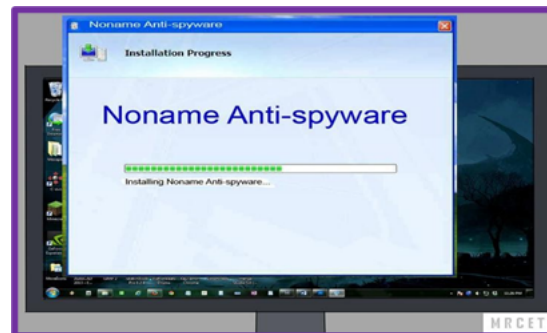
Step 9: Back up computers on a regular basis. If computers become corrupted by a virus, we can return to the previous backup to restore it.
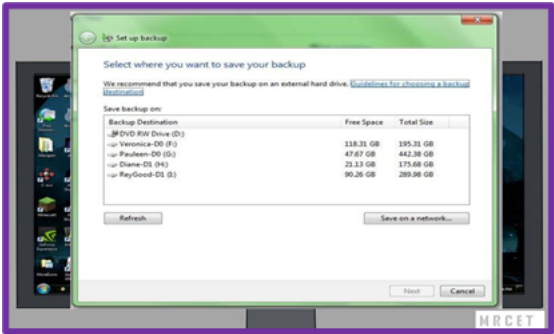
Step 10: Using the hard disc cleanup and defragmentation utilities regularly. These Windows utilities regularly remove temporary files and keep the hard drive from fragmenting.
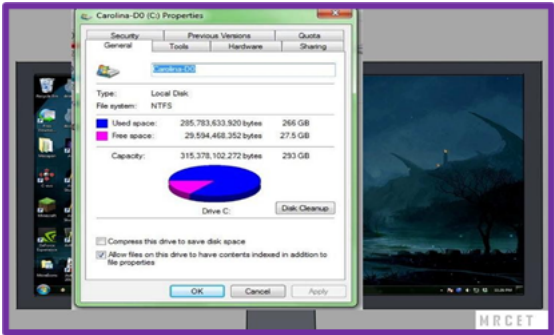
Step 11: Do not unplug printers, scanners and other connected machines when the computers are on. Eject any USB devices before unplugging them.

Step 12: Turning off all computers by selecting the shutdown 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 comput shutting it down with the "Power" button.

Step 13: Cleaning the computer lab regularly. The following are effective ways to clean a computer lab:

- Dust computer screens using a thin, soft microfiber cloth. Dedicate 1 cloth to be used only on the screens. If dirt and debris from other surfaces gets caught in the cloth, it can scratch the computer screen.
- Vacuum the floor every day, if possible, so dirt and debris is less likely to gather around the computers.
- Dust all surfaces of the computer. If the fans in the Central Processing Unit (CPU) fill with dust, the computer can overheat. Use a thicker microfiber cloth to pull the dust from the surface. Some types of microfiber cloth have been shown to attrac
- Use compressed air to clean out keyboards. You may also choose to use a disinfectant sprayed on a lint-free cloth on the keyboard and mouses, for sanitary purposes.

Maintenance of Hardware Labs:

Step 1: Establishing the perimeters of our Hardware lab according to our organizations rules. Concerned Lab In-charges will decide the arrangements of display boards, charts, maintenance table and other racks.

6.3 Safety measures in laboratories (10)   Total Marks 10.00

Institute Marks : 10.00

Sr. No	Laboratory Name	Safety Measures
1	Analog Circuits Laboratory	1.Keep the INTENSITY on oscilloscopes as LOW as possible when in use and all the way down when not in use to avoid burning out the screen. 2.Always OBSERVE POLARITY when connecting components into a circuit, especially with electrolytic capacitors 3.DOUBLE CHECK circuits for proper connections and polarity prior to applying the power. 4.KEEP soldering irons in their protective STAND when not in use 5.You must not remove test equipment, test leads or power cables from any lab without permission. 6.Do not use any equipment unless you are trained and approved as a user by your supervisor. 7. You are expected to comply with instructions, written or oral, that the laboratory Instructor gives you during the course of the laboratory session 8.Eating, smoking and drinking in the laboratories are forbidden. 9.You should inspect laboratory equipment for visible damage before using it. If there is a problem with a piece of equipment report it to the technician or lecturer. DO NOT return faulty equipment to a storage area 10.You must ensure that at the end of the laboratory session all equipment used is stored away where you found it.
2	Digital logic Design Laboratory	1.Do not misbehave in the computer laboratory 2.Do not remove anything from the computer without permission 3.Avoid stepping on electrical wires or any other computer cables. 4.Do not open the system unit casing or monitor casing particularly when the power is turned on 5.Do not insert metal objects such as clips, pins and needles into the computer casings. They may cause fire. 6.Do not plug in external devices without scanning them for computer viruses. 7.Students should not attempt to repair, open, tamper or interfere with any of the computer, printing, cabling, air conditioning or other equipment in the laboratory. 8.Know the location of the fire extinguisher and the first aid box and how to use them in case of an emergency. 9.Report fires or accidents to your lecturer/laboratory technician immediately. 10.Report any broken plugs or exposed electrical wires to your lecturer/laboratory technician immediately.
3	Basic Simulation Lab	1.Do not misbehave in the computer laboratory 2.Do not remove anything from the computer without permission 3.Avoid stepping on electrical wires or any other computer cables. 4.Do not open the system unit casing or monitor casing particularly when the power is turned on 5.Do not insert metal objects such as clips, pins and needles into the computer casings. They may cause fire. 6.Do not plug in external devices without scanning them for computer viruses. 7.Students should not attempt to repair, open, tamper or interfere with any of the computer, printing, cabling, air conditioning or other equipment in the laboratory. 8.Know the location of the fire extinguisher and the first aid box and how to use them in case of an emergency. 9.Report fires or accidents to your lecturer/laboratory technician immediately. 10.Report any broken plugs or exposed electrical wires to your lecturer/laboratory technician immediately.
4	Electronic Circuit Analysis Laboratory	1. Power must be switched off whenever an experiment or project is being assembled or disassembled 2, Make measurements in live circuits with well insulated probes and one hand behind your back. 3.Do not allow any part of your body to contact any part of the circuit or equipment connected to the circuit. 4.Ask the instructor to check out your constructed circuit before applying power. 5.Wearing a ring or watch can be hazardous in an electrical laboratory since such items make good electrodes for the human body. 6.Never handle wet, damp or ungrounded electrical equipment. 7.Never touch two pieces of equipment simultaneously 8.Shoes must be worn at all times. 9.Report any damages to equipment, hazards, and potential hazards to the laboratory instructor 10.If in doubt about electrical safety, see the laboratory instructor.
5	Analog & Digital Communications Lab	1.Keep the INTENSITY on oscilloscopes as LOW as possible when in use and all the way down when not in use to avoid burning out the screen. 2.Always OBSERVE POLARITY when connecting components into a circuit, especially with electrolytic capacitors 3.DOUBLE CHECK circuits for proper connections and polarity prior to applying the power. 4.KEEP soldering irons in their protective STAND when not in use 5.You must not remove test equipment, test leads or power cables from any lab without permission. 6.Do not use any equipment unless you are trained and approved as a user by your supervisor. 7. You are expected to comply with instructions, written or oral, that the laboratory Instructor gives you during the course of the laboratory session 8.Eating, smoking and drinking in the laboratories are forbidden. 9.You should inspect laboratory equipment for visible damage before using it. If there is a problem with a piece of equipment report it to the technician or lecturer. DO NOT return faulty equipment to a storage area 10.You must ensure that at the end of the laboratory session all equipment used is stored away where you found it.

6	Linear and Digital IC Applications Laboratory	1.Do not misbehave in the computer laboratory 2.Do not remove anything from the computer without permission 3.Avoid stepping on electrical wires or any other computer cables. 4.Do not open the system unit casing or monitor casing particularly when the power is turned on 5.Do not insert metal objects such as clips, pins and needles into the computer casings. They may cause fire. 6.Do not plug in external devices without scanning them for computer viruses. 7.Students should not attempt to repair, open, tamper or interfere with any of the computer, printing, cabling, air conditioning or other equipment in the laboratory. 8.Know the location of the fire extinguisher and the first aid box and how to use them in case of an emergency. 9.Report fires or accidents to your lecturer/laboratory technician immediately. 10.Report any broken plugs or exposed electrical wires to your lecturer/laboratory technician immediately.
7	Microprocessors & Microcontrollers Laboratory	1.Try not to touch any of the circuit boards and power sockets when a device is connected to them and switched on. 2.Take a note of all the exits in the room, and also take note of the location of fire extinguishers in the room for the sake of fire safety. 3.Look away from the screen once in a while to give your eyes a rest. 4.Do not spill water or any other liquid on the machine, in order to maintain electrical safety. 5.First Aid boxes are located in various locations within the computer laboratory. 6.Smoking in the lab is prohibited.
8	Artificial Intelligence & Machine Learning Laboratory	1.Do not misbehave in the computer laboratory 2.Do not remove anything from the computer without permission 3.Avoid stepping on electrical wires or any other computer cables. 4.Do not open the system unit casing or monitor casing particularly when the power is turned on 5.Do not insert metal objects such as clips, pins and needles into the computer casings. They may cause fire. 6.Do not plug in external devices without scanning them for computer viruses. 7.Students should not attempt to repair, open, tamper or interfere with any of the computer, printing, cabling, air conditioning or other equipment in the laboratory. 8.Know the location of the fire extinguisher and the first aid box and how to use them in case of an emergency. 9.Report fires or accidents to your lecturer/laboratory technician immediately. 10.Report any broken plugs or exposed electrical wires to your lecturer/laboratory technician immediately.
9	Digital Signal Processing Laboratory	1.Fire Protection pipe is fitted nearby Laboratory. 2.No equipment given to student without proper demonstration. 3.Any unsafe or dangerous behavior of the equipments informed to concern authority. 4.Electrical works frequently reviewed by an electrician
10	VLSI Design Laboratory	1.Do not misbehave in the computer laboratory 2.Do not remove anything from the computer without permission 3.Avoid stepping on electrical wires or any other computer cables. 4.Do not open the system unit casing or monitor casing particularly when the power is turned on 5.Do not insert metal objects such as clips, pins and needles into the computer casings. They may cause fire. 6.Do not plug in external devices without scanning them for computer viruses. 7.Students should not attempt to repair, open, tamper or interfere with any of the computer, printing, cabling, air conditioning or other equipment in the laboratory. 8.Know the location of the fire extinguisher and the first aid box and how to use them in case of an emergency. 9. Report fires or accidents to your lecturer/laboratory technician immediately. 10.Report any broken plugs or exposed electrical wires to your lecturer/laboratory technician immediately.
11	Electro Magnetics and Microwave Laboratory	1.Follow all written and verbal instructions carefully. If you do not understand the instructions, the handouts and the procedures, ask the instructor or teaching assistant. 2.Never work alone! You should be accompanied by your laboratory partner and / or the instructors / teaching assistants all the time. 3.Perform only those experiments you find in the instructions or authorized by the instructors. 4.Unauthorized experiments are prohibited. 5.Read the handout and procedures before starting the experiments. 6.Appropriate personal protective clothing must be worn at all times in laboratories and comply with instructions to students.

6.4 Project laboratory (20)

Total Marks 20.00

Institute Marks : 20.00

S.NO	Facility Name	Details	Reasons for creating such facility	Sample Images
1	Computers	I5 core processor 8GB RAM 250 GB SSD	To carry Project & research	
2	General Purpose Robot Kit	*Basics of wheeled robots *Remote controlled robot *Line follower robot. *Obstacle avoider robot *Wall follower robot *Photophobic / vore robot *Gesture controlled robot *Intelligent obstacle avoider With ultrasonic sensor *Path mapping robot *Computer controlled robot (using xbee kit)	To carry Project & research work	
3	Arduino Embedded Systems Kit	Digital I/O Analog I/O Using analog sensors Using digital sensors Displays (16x2 character , 7 segment LED) Communications (UART , SPI, I2C) Communicating with host computer IR Communication Wireless communication using xBee devices GSM Modem : learning to use AT commands to connect to a GSM Modem Port expanders etc	To carry Project & research work	
4	Wireless ZigBee Network Kit	Operating Frequency: ISM 2.4 GHz Antenna type: Wire antenna Indoor/Urban Range up to 300 ft. (90 m) Outdoor RF line-of-sight Range up to 2miles (3200 m) Interface: Serial(UART) at 1200 Kbps - 1 Mbps Supply Voltage: 2.7 – 3.6V Transmit Current 205mA (@ 3.3 V) Receive Current 47mA (@ 3.3 V)	To carry Project & research work	

5	TI 16 Bit Controller Dev Kit	14-/20-pin DIP (N) socket Built-in flash emulation for debugging and programming 2 programmable LEDs 1 power LED 1 programmable button 1 reset button 16 Bit controller FRAM for storage Low power design	To carry Project & research work	
6	ARM Developers Kit	512MB DDR3 RAM 4GB 8-bit eMMC on-board flash storage 3D graphics accelerator NEON floating-point accelerator 2x PRU 32-bit microcontrollers 13 " monitor Cables and connectors as necessary USB Hub	To carry Project & research work	
7	8051 Development Board	8-bit microcontroller with additional peripherals, 64 KB Flash, 1 KB data memory and ISP, 7 segment LCD display	To carry Project & research work	
8	ARM 9 LPC 2929 Development Board	On board I2C, SPI, CAN, ADC, Rs 232C and SD Card compatible	To carry Project & research work	
9	FPGA Board	Useful for VLSI related Projects	To carry Project & research work	

10	Mentor Graphics HEP1 & HEP2-Frontend and Backend VLSI Tool	VLSI Front end and Backend Tool useful for VLSI related projects	To carry Project & research work	
11	Vivado Xilinx Tool	VLSI Front end and Backend Tool useful for VLSI related projects	To carry Project & research work	
12	MATLAB Simulation Tool	Useful for all ECE related Projects and Research Works	To carry Project & research work	
13	Wireshark Simulation Tool	Open Source Simulation Tool useful for Communication related projects	To carry Project & research work	

| 14 | Additional Sensor Kit | Small passive buzzer module KY-006 , 2-color LED module KY-011, Hit sensor module KY-031, Vibration switch module KY-002, Photo resistor module KY-018, Key switch module KY-004, Tilt switch module KY-020, 3-color full-color LED SMD modules KY-009, Infrared emission sensor module KY-005, 3-color LED module KY-016, Mercury open optical module,KY-017, Yin Yi 2-color LED module 3MM KY-029, Active buzzer module KY-012, Temperature sensor module KY-013, Automatic flashing colorful LED module KY-034, Mini magnetic reed modules KY-021, Hall magnetic sensor module KY-003, Infrared sensor receiver module KY-022, Class,Bihor magnetic sensor KY-035, Magic light cup module KY-027, Rotary encoder module KY-040, Optical break module KY-010, Reed module KY-025, Obstacleavoidance sensor module KY-032,, Hunt sensor module KY-033, Microphone sound sensor,module KY-038, Laser sensor module KY-008, 5V relay module KY-019, Temperature sensor module KY-001, Temperature sensor module KY-028, Linear magnetic Hall sensors KY-024, Flame sensor module KY-026, Sensitive microphone sensor module KY-037, Temperature and humidity,sensor module KY-015, XY-axis joystick module KY-023 | To carry Project & research work | |
| 15 | IOT Kit | Universal IoT Kit-PHY-1412B, IoT Sensors, Bluethooth HC-05 Module, Wifi Modular, NodeMCU Microcontroller, MQTT, Zigbee | To carry Project & research work | |

Centre for Drone Technology

The Centre for Drone Technology (CDT) is a strive to promote skilled human resources, improve participation and create a knowledge centre through group research involving all stakeholders surrounding State Agencies, Armed Forces, Research Groups, Educational Institutes, Private Parties and Communities of this region.

The CDT plays a major role in enhancing industrial awareness among students and also provides placement opportunities in the same field, besides equipping them with valuable skills.

Vision:

To create a cutting-edge centre for analytics and research drones that fosters innovation, research, knowledge sharing, and support.

Mission:

In order to ensure the collection of airborne data of social and scientific interest for emergency situation resolution, monitoring, and mitigation, as well as to serve the social, economic, and political interests of the region and the nation, appropriate and efficient methods of knowledge and capacity building in the public domain through research, innovation, and training.

Technical Specifications:

Logistics Drone

Quadcopter with 8 kg/axis

Take-off weight – 32 kg

Payload- 10 kg

Battery – 22000 mAh LiPo

Charger- 1080 W Lipo Dual Charger

Use case- weapon dropping, courier transportation

Range- 10Km maximum, sealed to 1Km for now

Altitude: 1000mts maximum but locked to 30mts

---

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)

POs	Target Level	Attainment Level	Observations

PO 1 : Engineering Knowledge

PO 1	2.6	2.82	Target Level has been achieved

Though the target level has been achieved, the department always believes in continuous improvement and looks ahead for better performance. Hence certain actions are taken to enhance the skills of students Action 1: As being an autonomous institution, we have incorporated the courses related to emerging technologies in the curriculum to widen the scope for students which helps them to get a better insight to provide solutions to complex engineering problems.

PO 2 : Problem Analysis

PO 2	2.6	2.82	Target Level has been achieved

Though the target level has been achieved, the department always believes in continuous improvement and looks ahead for better performance. Hence certain actions are taken to enhance the skills of students Action 1: The faculty and industry experts jointly demonstrate problem analysis skills in electronics & communication domain for the benefit of the students. Action 2: By exposing students to a variety of real time problems, we are enhancing their problem analysis ability to analyze and solve the problems.

PO 3 : Design/development of Solutions

PO 3	2.6	2.81	Target Level has been achieved

Though the target level has been achieved, the department always believes in continuous improvement and looks ahead for better performance. Hence certain actions are taken to enhance the skills of students Action 1: The faculty in the department has been following the practice of giving design problems as assignments to students to enhance their problem-solving ability. Action2: In the department there are appreciable number of PhD Scholars who are exposing the students design & development related topics thereby enhancing their skill set in evolving solutions. Action3: Students will be required to write an analysis of the problem-solving process and its outcome(s).

PO 4 : Conduct Investigations of Complex Problems

PO 4	2.6	2.82	Target Level has been achieved

Though the target level has been achieved, the department always believes in continuous improvement and looks ahead for better performance. Hence certain actions are taken to enhance the skills of students Action 1: The department is initiating by giving variety of real time problems in ECE by way of Industry oriented mini project, Application development and mini & major projects. Action2: The department is undertaking consultancy projects from industry in which faculty and students carry out their investigations of complex problems.

PO 5 : Modern Tool Usage

PO 5	2.6	2.92	Target Level has been achieved

Though the target level has been achieved, the department always believes in continuous improvement and looks ahead for better performance. Hence certain actions are taken to enhance the skills of students Action 1: As being an autonomous institution, we have incorporated advanced tools in the curriculum with proper training and hence students are more enthused to develop real time ECE applications. Action2: Due to the advancement of digital technology & availability of internet facility, students access to learning resources including modern tools across the globe.

PO 6 : The Engineer and Society

PO 6	2.6	2.86	Target Level has been achieved

Though the target level has been achieved, the department always believes in continuous improvement and looks ahead for better performance. Hence certain actions are taken to enhance the skills of students Action 1: The role of engineer in society will be more broadly addressed across the program curriculum. Action2: The department has initiated & conducted no. of. societal programs under the aegis of NSS and other student chapters in which the students are actively made to participate. Action3: After getting exposed to variety of courses in the program, students develop a sense of responsibility to work for the betterment of the society.

PO 7 : Environment and Sustainability

PO 7	2.6	2.87	Target Level has been achieved

Though the target level has been achieved, the department always believes in continuous improvement and looks ahead for better performance. Hence certain actions are taken to enhance the skills of students Action 1: Exploration of environment and sustainability issues will be more broadly addressed and integrated across the program curriculum Action2: In the autonomous curriculum the department has introduced environmental science as a mandatory course to all the students to bring awareness about the environment.

PO 8 : Ethics

PO 8	2.6	2.95	Target Level has been achieved

Though the target level has been achieved, the department always believes in continuous improvement and looks ahead for better performance. Hence certain actions are taken to enhance the skills of students Action 1: In the autonomous curriculum the department has introduced "Professional Ethics" as a compulsory course to enhance their moral and ethical values. Action2: The department is conducting workshops by external experts to all the faculty and students to drive home importance of ethics in human society. Also, this aspect has been given top priority by inclusion in our PEOs.

PO 9 : Individual and Team Work

PO 9	2.6	3	Target Level has been achieved

Though the target level has been achieved, the department always believes in continuous improvement and looks ahead for better performance. Hence certain actions are taken to enhance the skills of students Action 1: Students will participate in a conflict management workshop within the context of the class. Action2: The faculty in the department has been following the practice of conducting laboratory experiments, Application development, mini & major projects to promote their individual and team work. Action3: The department is also conducting workshops for students and faculty by external experts to enhance their skills.

PO 10 : Communication

PO 10	2.6	3	Target Level has been achieved

Though the target level has been achieved, the department always believes in continuous improvement and looks ahead for better performance. Hence certain actions are taken to enhance the skills of students Action 1: Students will be required to submit draft documents to faculty for preliminary feedback. Practice oral presentations through Seminars Action2: The department has introduced English Laboratory (Advanced Communications) to improve the communication skills of the students. Department is offering training program from Oxford University Press namely OUP for improving the Professional Communication skills of students. Action 3: The Department also conducting various online training programs for improving their communication skills

PO 11 : Project Management and Finance

PO 11	2.6	2.86	Target Level has been achieved

Though the target level has been achieved, the department always believes in continuous improvement and looks ahead for better performance. Hence certain actions are taken to enhance the skills of students Action 1: The department has introduced MEFA & Innovation, Start-up & Entrepreneurship courses for ECE students as a result the students will get familiarized with the concepts of project management and finance. Action2: The department is organizing various workshops by external experts in the area of project management and finance to improve their knowledge.

PO 12 : Life-long Learning

PO 12	2.6	2.87	Target Level has been achieved

Though the target level has been achieved, the department always believes in continuous improvement and looks ahead for better performance. Hence certain actions are taken to enhance the skills of students Action 1: As the technology is advancing rapidly the students are encouraged to keep up with their learning habits to gain more knowledge in their specific domain. Action2: Our faculty is adopting a student centric approach in teaching which basically encourages them to continuous learning habit among the student community by organizing programmes like Tech Fest, Workshops, Industrial Visits, Certification Courses and Seminars.

PSOs Attainment Levels and Actions for Improvement- (2023-24)

PSOs	Target Level	Attainment Level	Observations

PSO 1 : To develop a student community who acquire knowledge by ethical learning and fulfill the societal and industry needs in various technologies of core field.

PSO 1	2.6	2.76	Target Level has been achieved

Though the target level has been achieved, the department always believes in continuous improvement and looks ahead for better performance. Hence certain actions are taken to enhance the skills of students Action 1: In the autonomous curriculum the department has introduced "Professional Ethics" as a compulsory course to enhance their moral and ethical values. Action2: The department is conducting workshops by external experts to all the faculty and students to drive home importance of ethics in human society. Also, this aspect has been given top priority by inclusion in our PEOs.

PSO 2 : To nurture the students in designing, analyzing and interpreting required in research and development with exposure in multi disciplinary technologies in order to mould them as successful industry ready engineers/entrepreneurs.

PSO 2	2.6	2.82	Target Level has been achieved

Though the target level has been achieved, the department always believes in continuous improvement and looks ahead for better performance. Hence certain actions are taken to enhance the skills of students Action 1: The faculty in the department has been following the practice of giving design problems as assignments to students to enhance their problem-solving ability. Action2: In the department there are appreciable number of PhD Scholars who are exposing the students design & development related topics thereby enhancing their skill set in evolving solutions. Action3: Students will be required to write an analysis of the problem-solving process and its outcome(s).

PSO 3 : To empower students with all round capabilities who will be useful in making nation strong in technology, education and research domains.

PSO 3	2.6	2.82	Target Level has been achieved

Though the target level has been achieved, the department always believes in continuous improvement and looks ahead for better performance. Hence certain actions are taken to enhance the skills of students Action 1: An Incubation Cell has been established through which students are encouraged to implement their creative and innovative ideas for the ultimate realization of startups and a course, Innovation, Start-up & Entrepreneurship is also introduced to motivate the students. Action 2: Students are encouraged to participate in national level events like Hackathon, internship programs in universities abroad like UNIMAS, Malaysia and carry their major projects in national level organizations like DRDO and ISRO.

7.2 Academic Audit and actions taken thereof during the period of Assessment (15)

Total Marks 15.00

Institute Marks : 15.00

Academic audit is a regular feature in the department, being an ISO 9001-2015 certified institute, annual academic audit is done by the external auditors. Observations brought out by the team are promptly auctioned. In addition to this internal audit is done at regular

intervals which is ordered by the principal and auditors from another department are detailed to carry out. The terms and references are framed by the head of the institution based on his observations and feedback from previous audits. The academic audit team valuates the following important aspects in the department.

ACADEMIC ACTIVITIES:

A)COURSE FILE: Every Faculty Member has to prepare Course File in the concerned subject according to the guidelines given from

the department, shown below.

Table 7.2.1: Course File Contents

S.No	Particulars
1	Almanac (Academic Calendar) *
2	Autonomous Syllabus*
3	Course Objective & Out comes
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	JNTU Questions (Unit Wise) *
11	Competitive Exam Questions (IES, GATE etc.)
12	Objective Questions (Unit Wise)
13	Lecture Notes (Unit Wise) *
14	Tutorial Problems (Unit Wise with solutions)
15	Curriculum related Known Gaps
16	Sample Assignment Copies*
17	I Mid Question Paper*
18	Marks obtained & Result Analysis*
19	II Mid Question Paper *
20	Marks obtained & Result Analysis*
21	End Examination Question Paper*
22	Marks obtained & Result Analysis*

B.TIME TABLES:

A well-planned time table with all necessary information will be prepared well in advance and will be displayed in the department notice boards. A sample copy of the same is given below.

MALLA REDDY COLLEGE OF ENGINEERING & TECHNOLOGY

Maisammguda, Dhulapally Post, Secunderabad 500100

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

ACADEMIC YEAR 2023-24 SEM-II

II ECE A   **W.E.F. 18-01-2024**

DAY	1 9:20AM-10:20AM	2 10:20AM-11:20AM	11:20AM-11:30AM	3 11:30AM-12:30PM	12:30PM-1:30PM	4 1:30PM-2:30PM	5 2:30PM-3:30PM
Monday	EMTL	ADC	BIO BREAK	LDIC	LUNCH	ECA LAB	
Tuesday	EMTL	LDIC		ADC		ECA	NMCV
Wednesday	ADC	NMCV		ECA		LDIC LAB	
Thursday	EMTL	ADC		LDIC		ADC LAB	
Friday	NMCV	ECA		IOMP		PP	
Saturday	EMTL	LDIC		NMCV		ECA	T

*Dept. Meetings/Student Counseling/Sports/Library: 3:30 pm to 3:40 pm

Subject	Subject Code	Name of the Faculty
Numerical Methods and Complex Variables	R22A0025	Dr.G.SARABHA REDDY
Electromagnetic Fields and Transmission Lines	R22A0405	Dr. K. MALLIKARJUNA LINGAM
Analog and Digital Communications	R22A0406	D.ASHA
Linear and Digital IC Applications	R22A0407	E. MAHENDER REDDY
Electronic Circuit Analysis	R22A0408	Dr. R. CHINNA RAO
Analog and Digital Communications Laboratory	R22A0484	D.ASHA/ A. DILEEP/ N. SARITHA/V SHIVA RAJ KUMAR/M.SREEDHAR REDDY
Linear and Digital IC Applications Laboratory	R22A0485	E. MAHENDER REDDY/ R SATHISH KUMAR/ D SANTHOSH KUMAR/ Dr.T.MANASA VEENA /P.SAKTHIVEL
Electronic Circuit Analysis Laboratory	R22A0486	E. MAHENDER REDDY/ G. VAIDEHI/ Dr.SADANAND YADAV/NEHA THAKUR/S REVATHI
Real Time Project	R22A0487	E. MAHENDER REDDY
Public policy & e Governance	R22A0061	Dr. ARUNKUMAR MADUPU
Class Teacher		E. MAHENDER REDDY
Year Coordinator		DR R CHINNA RAO

ROOM NO: 5102

Dr K Mallikarjuna Lingam   Dr S Srinivasa Rao

TIME TABLE INCHARGE   HOD, ECE   PRINCIPAL

Figure 7.2.1: Sample Time Table

C)LAB INFRASTRUCTURE:

1.The laboratories are equipped with sufficient hardware and licensed software to run the program.

2. Each lab operates according to the schedule which is given by the department. Time Table for the specific semester/branch.

NOTE: Each laboratory course consists of two sessions (three periods) every week. Each laboratory maintains a Stock register detailing the equipment history within it

D)EQUIPMENT MAINTENANCE:

Periodically equipment maintenance is done

E)STUDENTS FEEDBACK:

Feedback is collected for all classes in online mode. The students are able to access the online feedback forms containing the questions concerning the faculty who deals with the respective classes. The questionnaire is designed to enable them to give their opinion as excellent, very good, satisfactory, and poor.

The students are also allowed to write whatever comments they want to make about the teachers which will be finally checked by Principal and HOD and forwarded to the faculty concerned

F)STUDENTS ASSIGNMENTS:

In a semester two assignments are given to the students at the internal examination and evaluated for 10 marks

G)LAB INVENTORY LOG BOOKS:

Maintained in each laboratory

H)USAGE OF CLEANING MATERIALS:

Periodically cleaning of materials is done and the action are maintained

I)TIMELY COMPLETION OF SYLLABUS:

Continuous feedback is taken from all the staff members in regard to complete the syllabus on time

J)MAINTENANCE OF ALL OFFICE FILES:

The department has check list regarding the maintenance of the office files accordingly the files are maintained and updated on time to time.

K)FACULTY PERFORMANCE APPRAISAL:

Faculty Self Appraisal is taken at the end of every academic year and the feedback is given to each individual faculty member for further improvement.

The process of Academic Auditing intends to monitor and enhance the quality of technical education through proper guidelines for both teaching faculty and students, so as to ensure qualified engineers/researchers passing out from engineering course.

For proper functioning of academics in a department some assessment programs have been designed.

These include as

1.course delivery, as per the curriculum and syllabus ,

2. the co-curricular and extra-curricular activities of students,

3.overall discipline

4. Delivery of the duties and responsibilities of faculty members and monitoring of the class, internal assessment.

ACADEMIC AUDIT FOR IMPROVING TEACHING LEARNING PROCESS

The format of the checklist maintained for valuating facilities is as follows:

1. Academic Audit

S.NO	FACILITY	STATUS
1	Text books (Titles) in the central library	YES
2	Volumes in the central library	YES
3	e-Journals (All Branches)	YES
4	Printed journals (National+Intl')	YES
5	Subscription of online/offline technical journals	YES
6	Magazines	YES
7	Subscription of Magazines	YES
8	Availability of internet	YES
9	CD's	YES
10	Faculty access to internet	YES
11	Students access to internet	YES
12	Availability of additional requirements like printers, scanners, projectors etc.	YES
13	Availability of lab equipment	YES
14	Departmental library	YES
15	Reference books in Departmental library	YES
16	NPTEL Videos	YES

2.Examination Audit

S. NO	MODE OF EVALUATION	STATUS
1	Quality of mid exam question papers	YES
2	Quality of assignment questions	YES
3	Quality of Evaluation	YES
4	Question banks made available for students	YES
5	List of invigilation duties for faculty	YES
6	Maintenance of exam time tables	YES
7	Mid Marks and attendance files	YES

3.LABORATORY AUDIT

For all labs including (computer labs where ever applicable), please tick 'yes' if available or 'No' if not available

S.NO	PARTICULARS	STATUS
1	Laboratory equipment available as per syllabus prescribed by JNTUH< Hyderabad/UGC Autonomous	YES
2	Updating of Consumable Registers in the lab	YES
3	Updating the Non consumable stock register:	YES
4	Periodic maintenance of laboratory equipment:	YES
5	Updating the maintenance log book	YES
6	Regular cleaning of the equipment performed	YES
7	Discarding the equipment in non-working condition	YES
8	Lab manuals and Record books available for the teacher /student	YES
9	Availability of safety precautions in the lab	YES
10	Is code of conduct in the laboratory maintained	YES
11	Availability of first aid box in the laboratory	YES
12	Is the power of supply regularly checked	YES
13	Required lubrication /repair of the equipment performed	YES

For labs with computer facility only

S.NO	PARTICULARS	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 with unwanted pop-ups blocked	YES

At the end of every academic year, all labs (both Hardware and Software) stock verification will be done by Stock Verification Committee constituted by Senior Professors from other departments in the college. Final report will be authenticated by HOD, Director and Principal Sir and will be documented. Sample copy of Stock Verification of one of the labs is shown below:

Internet Facility in the campus:

(Instruction: The institute may report the availability of Internet in the campus and its quality of service)

❖	Internet Services	YES
❖	Name of the Internet provider	VAINAVI PVT.Ltd.
❖	Available bandwidth	1 GBPS
❖	Access speed	VERY GOOD
❖	Availability of Internet in an exclusive lab	YES
❖	Availability in most computing labs	YES
❖	Availability in departments and other units	YES
❖	Availability in faculty rooms	YES
❖	Institute's own e-mail facility to faculty/students	YES
❖	Security/privacy to e-mail/Internet users	YES

After completion of audit, documents and observations are signed by the CLASS INCHARGES, LAB INCHARGES AND HEAD OF THE DEPARTMENT.

Student feedback report analysis and action taken, lab infrastructure, lesson plans of each subject, record of student mentoring, R& D activities. Due record of the same is maintained in the department.

A sample Academic Audit Report of the Department for the Academic Year 2023-24 is shown below:

ACADEMIC AUDIT REPORT		
ACADEMIC YEAR: 2023-24		
1	Name of the Department	ECE
2	No. of UG Programmes	01
3	No. of PG Programmes	01
4	No. of Students enrolled for UG Programme:	120
5	No. of Students enrolled for PG Programme:	24
6	No. of Full Time Permanent Faculty	60
7	No. of temporary/visiting/part-time/contractual Faculty	NIL
8	Curriculum Revisions Info	R20, R22, R24
9	Research Publications: International/National	32/17
10	International Conferences Organized	01
11	Workshops Organized	04
12	Industrial Visits Organized	02
13	No. of Department Library Printed Books	156
14	Web resources CDs Added	1000
15	e-Books Added	1500
16	No. of Faculty using ICT and PPTs	60
17	Strengths: (1) UGC Autonomous Status (2) Sanction of R & D Centre, JNTUH Hyderabad (3) Organized Research Scholars Summit in Technical Association with JNTUH, Hyderabad (4) Organized ICSCSP 2K23 in association with Springer (5) Industrial Visit to NRSC, Balanagar for II ECE and D o o r d a r s h a n, Hyderabad for III ECE. (6) Final Year Students Placements (7) II, III & IV ECE Students Results (8) FDPs in association NIT, Patna (9) Research Projects (DST, MODROBS, AICTE) (10) MSME Start-ups with MoMSME, New Delhi		
18	Weakness: (1) Sponsored R&D & Patents (2) 100% Results		
19	Recommended Actions: (1) To identify weak students and conduct remedial, tutorial classes. (2) To organize workshops and FDPs (3) Association with Industries (4) Applying for Patents, Research Projects (5) Increasing no. of paper publications by the faculty members in Scopus indexed papers.		

In addition to internal academic auditing, college has got ISO 9008-2015 Certification for all the departments where the team who visited the college has thoroughly checked all academic related files, laboratory files, library files, student related given the certification which is shown below.

7.3 Improvement in Placement, Higher Studies and Entrepreneurship (10)   Total Marks 10.00

Institute Marks : 10.00

7.3.1 PLACEMENTS

IMPROVEMENT IN PLACEMENTS:

S.No	Academic Year	No. of Companies Visited	Total no. of Students	Total no. of Students Placed
1	2021-22	28	254	178
2	2022-23	31	255	206
3	2023-24	35	256	202

IMPROVEMENT IN NO OF COMPANIES VISITED:

S.No	Academic Year	No. of Companies Visited	Total no. of Students placed	% Improvement in no. of companies visited
1	2021-22	28	178	7.7
2	2022-23	31	206	10.7
3	2023-24	35	202	12.9

IMPROVEMENT IN QUALITY PLACEMENTS:

S.No	Academic Year	No. of Companies Visited	Total no. of Students placed	% Improvement in no. of companies visited
1	2021-22	28	178	7.7
2	2022-23	31	206	10.7
3	2023-24	35	202	12.9

IMPROVEMENT IN PAY PACKAGES:

S.No	Academic Year	No. of Companies Visited	Total no. of Students placed	% Improvement in no. of companies visited	Average Pay Package
1	2021-22	28	178	7.7	4.5Lakh
2	2022-23	31	206	10.7	4.86 Lakh
3	2023-24	35	202	12.9	4.3 Lakh

% OF OMPROVEMENT IN PAY PACKAGES :

S.No	Academic Year	No. of Companies Visited	Total no. of Students placed	% Improvement in no. of companies visited	Average Pay Package	% Improvement in Pay Package
1	2021-22	28	178	7.7	4.5Lakh	4.65
2	2022-23	31	206	10.7	4.75 Lakh	5.5
3	2023-24	35	202	12.9	4.86 Lakh	2.3

7.3.2 HIGHER STUDIES:

IMPROVEMENT IN HIGHER STUDIES:

ACADEMIC YEAR	EXAM	APPEARED	QUALIFIED	% IMPROVEMENT
2021-22	CAT	42	19	45
	GATE	98	41	42
	GRE	132	82	62
	TOEFL	126	89	71
	IELTS	130	92	71
2022-23	CAT	48	21	44
	GATE	101	51	51
	GRE	140	111	78
	TOEFL	146	92	63
	IELTS	156	102	65
2023-24	CAT	52	28	54
	GATE	121	59	49
	GRE	148	121	82
	TOEFL	160	141	88
	IELTS	161	134	83

7.3.3 ENTREPRENEURS :

Academic Year	Total No. of Students Appeared	Total No. of Students Qualified	No. of Entrepreneurs
2021-22	216	185	08
2022-23	288	249	15
2023-24	288	252	18

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 EAMCET/EAPCET	No of students admitted	120	120	120
	Opening Score/Rank	4597	6565	10137
	Closing Score/Rank	99546	101095	102414
State/ University/ Level Entrance Examination/ Others EAMCET/EAPCET	No of students admitted	120	120	120
	Opening Score/Rank	4597	6565	10137
	Closing Score/Rank	99546	101095	102414
Name of the Entrance Examination for Lateral Entry or lateral entry details ECET	No of students admitted	12	12	24
	Opening Score/Rank	115	172	316
	Closing Score/Rank	1384	3466	3804
Average CBSE/Any other board result of admitted students(Physics, Chemistry&Maths)		8.8	8.5	8.1

8 FIRST YEAR ACADEMICS (50)

Total Marks 47.14

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. NEERAJA	AGSPV3994L	M.Sc. and Ph.D. (Chemistry)	19/09/2002	Chemistry	Professor	03/01/2011	100	100	100	Yes	Regular	
DR. KANDHAC	AUCPK3642A	M.Sc. (Physics) and Ph.D.	21/04/2017	Physics	Professor	09/02/2004	100	100	100	Yes	Regular	
DR. GANGADI	BNZPP8711N	M.Sc. and Ph.D. (Chemistry)	28/09/2018	Chemistry	Associate Professor	31/10/2022	100	100	70	Yes	Regular	
DR. SRIKANTF	AYTPT1481B	M.Sc. (Physics) and Ph.D.	14/10/2019	Physics	Associate Professor	11/02/2020	100	100	100	Yes	Regular	
DR. A. ESWAF	EEEPA0114P	M.Sc. and Ph.D. (Chemistry)	22/02/2019	Chemistry	Associate Professor	16/12/2022	100	100	50	Yes	Regular	
DR. SUBHAKA	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	
ARCHANADEV	AXIPA7668M	M.Sc	09/11/2006	Physics	Assistant Professor	23/09/2013	100	100	100	Yes	Regular	
SIVA NAGA RA	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	
NISHA JHA	AICPJ1713D	M.Sc	17/04/2004	Physics	Assistant Professor	01/07/2019	100	100	100	Yes	Regular	
HASINA KHAN	CKTPP8431K	M.Sc	02/04/2010	Chemistry	Assistant Professor	22/12/2016	100	100	100	Yes	Regular	
DR S NAGAM/	JSIPS6919D	M.Sc. (Physics) and Ph.D.	23/10/2023	Physics	Assistant Professor	14/11/2024	100	0	0	Yes	Regular	
RAJITHA DON	AYLPD8932D	M.Sc	01/04/2009	Chemistry	Assistant Professor	01/02/2017	100	100	100	Yes	Regular	
LAVUDYA SUS	ATZPT9833G	M.Sc	28/10/2019	Physics	Assistant Professor	20/02/2020	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	
HARI KAMALA	CZLPS3426C	M.Sc	13/06/2003	Physics	Assistant Professor	28/09/2022	100	100	70	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	
KUDIKALA KE	EWQPK4455K	M.Sc	02/06/2014	Chemistry	Assistant Professor	22/05/2017	100	100	100	Yes	Regular	
SIVA KRISHNA	AULPA3792J	M.Sc	10/09/2016	Physics	Assistant Professor	10/04/2023	100	100	0	Yes	Regular	
MAMTHA JAIN	AWRPM1895J	M.Sc	05/05/2009	Chemistry	Assistant Professor	10/04/2023	100	100	0	Yes	Regular	
CHANDRASEH	DXMPS4805P	M.Sc	02/03/2009	Chemistry	Assistant Professor	01/08/2013	0	0	100	No	Regular	24/06/2023
V RAMU	AGQPV6136N	M.Sc	01/05/2007	Physics	Assistant Professor	01/10/2017	0	100	100	No	Regular	06/05/2024
KOYYALAMUD	EVIPK8557D	M.Sc	03/04/2013	Chemistry	Assistant Professor	01/07/2019	0	100	100	No	Regular	30/06/2024
VUTHALURU S	CJHPS8339A	M.Sc	03/08/1996	Physics	Associate Professor	23/09/2013	0	100	100	No	Regular	14/10/2024
DR. GATTI JA(	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. A. ADITYA	AXCPA5447J	M.Sc. and Ph.D. (Chemistry)	28/06/2016	Chemistry	Professor	15/12/2022	100	100	50	Yes	Regular	
DR. GIRIDHAR	AMEPC2184M	M.Sc. (Physics) and Ph.D.	02/05/2008	Physics	Associate Professor	10/04/2023	100	100	0	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	
DR. SRINIVAS	CBKPM5845C	M.Sc. and Ph.D. (Chemistry)	30/08/2011	Chemistry	Professor	19/06/2023	100	100	0	Yes	Regular	
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. 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. RITUPARI	ALQPR7844E	M.SC. (Mathematics) and PhD	01/04/2021	Mathematics	Associate Professor	15/11/2021	100	100	100	Yes	Regular	
MEKALA SHAF	BLEPM6971J	MA	09/05/2012	English	Assistant Professor	19/01/2016	100	70	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	
K S RAJASHR	AQPPR8337L	MA	31/05/2010	English	Assistant Professor	01/12/2016	100	70	100	Yes	Regular	
GOBBURI REF	AQAPG2350F	M.Sc	23/12/2002	Mathematics	Associate Professor	01/07/2013	70	70	70	Yes	Regular	
BANDI RAJES	AMMPB6793R	MA	12/09/2014	English	Assistant Professor	06/04/2015	70	100	70	Yes	Regular	
DR. CH. SOM/	AFSPC0028H	M.SC. (Mathematics) and PhD	29/01/2025	Mathematics	Associate Professor	16/11/2020	100	100	100	Yes	Regular	
BONAM ANJAI	CFDPB4821E	MA	20/06/2011	English	Assistant Professor	03/08/2019	70	100	70	Yes	Regular	
THATIGUNTL/	AGAPT0412B	M.Sc	30/03/2006	Mathematics	Assistant Professor	23/09/2013	70	70	70	Yes	Regular	
PEDAVETI JUI	CDRPP5551M	MA	10/08/2010	English	Assistant Professor	02/02/2020	100	70	100	Yes	Regular	
PRIYA R KULK	CWBPK7763F	MA	07/09/2012	English	Assistant Professor	20/03/2021	70	100	70	Yes	Regular	
HARIKA BHUF	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	
THORTHI NAV	AQLPT2232Q	MA	05/09/2015	English	Assistant Professor	01/07/2019	100	70	100	Yes	Regular	
D RADHA PYA	ATJPD6374J	M.Phil	12/11/2011	Mathematics	Assistant Professor	02/12/2019	70	70	70	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. CH. CHAI	AQEPC7071K	M.SC. (Mathematics) and PhD	22/06/2024	Mathematics	Assistant Professor	27/12/2022	100	100	0	Yes	Regular	
DR. SHEKHAF	ARPPP6982J	M.SC. (Mathematics) and PhD	25/11/2013	Mathematics	Professor	19/09/2013	0	100	100	No	Regular	16/07/2024
S. SWAPNA	BIPPS4548R	MA	23/10/2006	English	Assistant Professor	10/10/2022	70	100	60	Yes	Regular	
SATYAVANI VA	ADFPV6791B	M.Phil	25/03/2005	English	Assistant Professor	01/06/2021	0	70	100	No	Regular	10/10/2024
VENU GOPAL	BELPK2031P	MA	12/12/2010	English	Assistant Professor	16/08/2021	70	100	100	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
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
MR. K.CHAND	BYAPK0007J	M.E/M.Tech	10/12/2014	POWER ELECTRONICS	Assistant Professor	23/01/2023	100	100	100	Yes	Regular	
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
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 RAN	AOTPV0220L	M.E/M.Tech	06/02/2012	CSE	Assistant Professor	06/07/2022	100	100	100	Yes	Regular	
GUJJULA NAR	BEFPG7671P	M.E/M.Tech	02/02/2015	POWER ELECTRONICS	Assistant Professor	21/11/2024	100	0	0	Yes	Regular	
LIKITHA GON(	BQQPG8317R	M.E/M.Tech	04/09/2014	CSE	Assistant Professor	22/08/2023	100	100	0	Yes	Regular	
N SUNDARAIA	ALVPN1860H	M.E/M.Tech	16/10/2010	POWER SYSTEMS	Assistant Professor	02/12/2024	100	0	0	Yes	Regular	
SHATHARAJU	GYWPS6287K	M.E/M.Tech	27/11/2014	CSE	Assistant Professor	18/01/2017	100	100	100	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 DHAN	BCMPD2183G	M.E/M.Tech	30/09/2020	POWER ELECTRONICS ENGINEERING	Assistant Professor	02/08/2024	100	0	0	Yes	Regular	

SHIVA KUMAR	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	
SAIDULU RED	AARPO3199B	M.E/M.Tech	16/01/2014	ELCTRICAL POWER SYSTEM	Assistant Professor	30/06/2014	0	80	100	No	Regular	30/12/2023
NAVEEN KUM.	AUVPA1146J	M.E/M.Tech	12/12/2013	CSE	Assistant Professor	01/06/2023	100	100	0	Yes	Regular	
SANJEEVA RA	AJCPT6102D	M.E/M.Tech	31/12/2008	ELECTRICAL POWER SYSTEMS	Assistant Professor	11/04/2022	0	80	100	No	Regular	30/12/2023
SRILAKSHMI I	AYFPK5142C	M.E/M.Tech	10/06/2015	CSE	Assistant Professor	10/07/2015	0	0	100	No	Regular	10/05/2023
M ANUSHA	ASWPM6305N	M.E/M.Tech	05/07/2012	VLSID	Assistant Professor	05/07/2012	0	100	100	No	Regular	13/09/2024
K.SRIKANTH	BGSPK9315H	M.E/M.Tech	04/05/2012	CSE	Associate Professor	04/06/2012	0	0	100	No	Regular	24/06/2023
S RAJANI	DXTPS1091A	M.E/M.Tech	08/12/2015	SSP	Assistant Professor	04/01/2016	0	100	100	No	Regular	08/07/2024
DR. M. MOHAI	AVPPM5418G	ME/M. Tech and PhD	17/12/2020	MECHANICAL	Professor	01/03/2021	100	100	100	Yes	Regular	
B SRUJANA	CPGPB7660Q	M.E/M.Tech	10/10/2016	SSP	Assistant Professor	13/12/2016	0	100	100	No	Regular	16/08/2024
Mr. S. SHAILE!	BPAPS3946H	M.E/M.Tech	12/06/2013	CAD and CAM	Associate Professor	12/07/2013	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	14/08/2024
Dr. SRIDHAR /	CLOPS5012F	ME/M. Tech and PhD	03/10/2024	Mechanical	Assistant Professor	12/07/2017	100	100	100	Yes	Regular	
KOUSHIL RED	BTYPK9070Q	M.E/M.Tech	11/10/2014	VLSID	Assistant Professor	18/04/2022	100	0	0	Yes	Regular	
MR. KOLIMI BI	BOKPK0997P	M.E/M.Tech	29/01/2016	Thermal Engineering	Assistant Professor	08/02/2016	100	100	100	Yes	Regular	
MR. CH. NARA	AYVPC1217C	M.E/M.Tech	12/01/2018	Thermal Engineering	Assistant Professor	07/06/2022	100	100	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
MR. SAI SRIK/	AURPV1133E	M.E/M.Tech	10/08/2016	Machine Design	Assistant Professor	27/03/2023	100	0	0	Yes	Regular	
IRUVANTI RAJ	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 LOKESV	AFEPT8877M	ME/M. Tech and PhD	22/01/2016	MECHANICAL	Professor	25/06/2018	0	100	100	No	Regular	14/12/2024
DR. JADAM TH	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.Sc	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. KRISHNAI	CHDPK4444A	ME/M. Tech and PhD	02/12/2020	MECHANICAL	Associate Professor	22/03/2021	100	100	100	Yes	Regular	
DR. CHANDR/	AVTPC9977G	M.Sc. and Ph.D. (Chemistry)	01/05/2015	Chemistry	Professor	21/03/2022	0	0	80	No	Regular	29/06/2023
DR. P. SRINIV/	CJHPS8339A	M.Sc. (Physics) and Ph.D.	06/08/2016	Physics	Associate Professor	02/01/2025	100	0	0	Yes	Regular	
DR. VENGAL F	CJVPP5886M	M.Sc. (Physics) and Ph.D.	20/01/2016	Physics	Professor	02/11/2020	100	100	100	Yes	Regular	
NARENDRA K	CPRPK2510K	M.Sc	08/09/2010	Physics	Assistant Professor	02/08/2016	100	100	100	Yes	Regular	
DODLA NOOT	BWZPD4909H	M.E/M.Tech	01/11/2021	ES	Assistant Professor	01/11/2021	0	100	100	No	Regular	20/06/2024
MUSTI ARUN/	ASRPM6249C	M.Sc	19/06/2012	Mathematics	Assistant Professor	04/04/2022	70	70	70	Yes	Regular	
DR PAROMIT/	ARYPN8853B	M.A and Ph.D	25/05/2022	English	Assistant Professor	15/07/2024	100	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	
AISHWARYA N	CNSPM3199M	M.E/M.Tech	11/07/2013	DSCE	Assistant Professor	30/07/2022	100	0	0	Yes	Regular	
V. HARI KRISH	ANHPV2249L	MBA	30/08/2007	MARKETING	Assistant Professor	25/10/2014	100	100	100	Yes	Regular	
GODI SUBBA I	ALTPG3955A	MBA	14/08/2008	MARKETING	Assistant Professor	28/11/2020	100	100	100	Yes	Regular	
E.ANVESHA	AVUPA5744L	MBA	21/05/2013	FINANCE	Assistant Professor	15/02/2021	100	100	100	Yes	Regular	
MARIA POOJ/	BECPT9962D	MBA	07/09/2019	HRM	Assistant Professor	19/02/2020	100	100	100	Yes	Regular	
Baggam Swath	DHLPB7100M	M.E/M.Tech	30/12/2017	POWER ELECTRONICS	Assistant Professor	25/06/2018	100	100	100	Yes	Regular	
P.VENKATA KF	CRHPK7836C	MBA	18/02/2013	MARKETING	Assistant Professor	10/01/2020	100	100	100	Yes	Regular	

Naresh Mothku	AZAPM3103B	M.E/M.Tech	31/12/2011	POWER ELECTRONICS	Assistant Professor	05/07/2019	0	0	50	No	Regular	29/10/2022
M. Naresh	BXDPM5945B	M.E/M.Tech	28/12/2013	POWER AND INDUSTRIAL DRIVES	Assistant Professor	12/09/2022	100	100	100	Yes	Regular	
NARESH DUM	BJFPD5114F	MBA	17/09/2012	HRM	Assistant Professor	10/01/2017	100	100	100	Yes	Regular	
K.SANTHOSH	AXMPA8617L	MBA	21/10/2021	FINANCE	Assistant Professor	21/10/2021	100	100	100	Yes	Regular	
BHARATH KUI	AHBPV5431C	MBA	11/02/2014	FINANCE	Assistant Professor	06/01/2016	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
PADUMATI PR	EXMPP2444C	MBA	14/09/2018	MARKETING	Assistant Professor	24/02/2020	100	100	100	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
Hatkar Ramest	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	89	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 8.14

Institute Marks : 8.14

Academic Performance	CAYm1(2023-24)	CAYm2(2022-23)	CAYm3 (2021-22)
Mean of CGPA or mean percentage of all successful students(X)	8.22	8.44	8.29
Total Number of successful students(Y)	119.00	122.00	251.00
Total Number of students appeared in the examination(Z)	127.00	122.00	251.00
API [X*(Y/Z)]	7.70	8.44	8.29

Average API[(AP1+AP2+AP3)/3] : 8.14

Assessment = Average API : 8.14

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)

<div align="right">Institute Marks : 5.00</div>

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 units, 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.
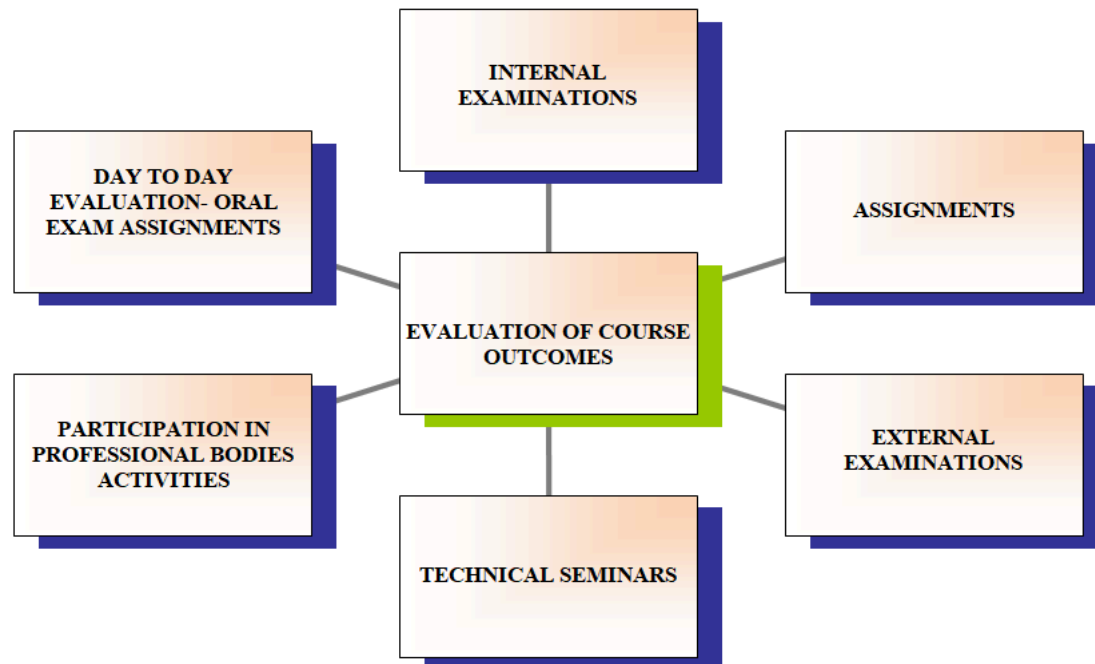
Fig: 8.4.1

8.4.2 Record the attainment of Course Outcomes of all first year courses (5)

<div align="right">Institute Marks : 5.00</div>

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: 8.4.2.1)

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:

Table 8.4.2.1: Assessment-CO Matrix (Autonomous – R22)

Assessment Type	Course Outcomes					
	HS101.1	HS101.2	HS101.3	HS101.4	HS101.5	Total
Final Exam	20.00%	20.00%	20.00%	20%	20.00%	100.00%
Subjective Test	20%	20%	20%	20%	20.00%	100.00%
Assignments	20%	20%	20%	20%	20%	100.00%
Average	20.00%	20.00%	20.00%	20.00%	20.00%	100.00%

Step-2: Overall Percentage Distribution(Table: 8.4.2.2)

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

Table 8.4.2.2(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 8.4.2.2(b): Overall Percentage Distribution for Labs

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

Step-3: Student Marks according to each assessment group (Table:8.4.2.3)

Student Marks are to be recorded as per the assessment type mentioned in Table 8.4.2.1. 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 R22 regulation.

Table 8.4.2.3: Students marks according to the assessment type applicable

| S.No | ROLLNO | Internal Assessment | | FinalExam |
		Subjecti	Assignment	
1	23N31A0401	30	10	45
2	23N31A0402	24	10	46
3	23N31A0403	22	10	47
4	23N31A0404	8	10	30
5	23N31A0405	23	10	44
6	23N31A0406	16	10	40
7	23N31A0407	20	10	38
8	23N31A0408	18	10	40
9	23N31A0409	18	10	45
10	23N31A0410	14	10	48
11	23N31A0411	27	10	48
12	23N31A0412	24	10	45
13	23N31A0414	24	10	47
14	23N31A0415	3	10	51
15	23N31A0416	20	10	48

Step-4: Defining Normalized Equation to obtain Course Outcome Attainment(Table 8.4.2.4)

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) +(0.20*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:8.4.2.4)

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

Table 8.4.2.4: Course Outcome Attainment

		CourseOutcomes				
		CO1	CO2	CO3	CO4	CO5
1	23N31A0401	7.9	7.9	7.9	7.9	7.9
2	23N31A0402	7.7	7.7	7.7	7.7	7.7
3	23N31A0403	7.8	7.8	7.8	7.8	7.8
4	23N31A0404	4.7	4.7	4.7	4.7	4.7
5	23N31A0405	7.4	7.4	7.4	7.4	7.4
6	23N31A0406	6.5	6.5	6.5	6.5	6.5
7	23N31A0407	6.4	6.4	6.4	6.4	6.4
8	23N31A0408	6.6	6.6	6.6	6.6	6.6
9	23N31A0409	7.3	7.3	7.3	7.3	7.3
10	23N31A0410	7.5	7.5	7.5	7.5	7.5
11	23N31A0411	8.1	8.1	8.1	8.1	8.1
12	23N31A0412	7.6	7.6	7.6	7.6	7.6
13	23N31A0414	7.8	7.8	7.8	7.8	7.8
14	23N31A0415	7.4	7.4	7.4	7.4	7.4
15	23N31A0416	7.8	7.8	7.8	7.8	7.8

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 8.4.2.2(a) and Average of individual Cos in Table 8.4.2.1 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: 8.4.2.5)

Find the percentage of students who reached the target of each individual Cos (Step-6) using table 8.4.2.4.

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

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	115	115	115	115	115
%of students achieved target	96.64%	96.64%	96.64%	96.64%	96.64%
Attainment level	3	3	3	3	3

The graphical representation is as shown belo
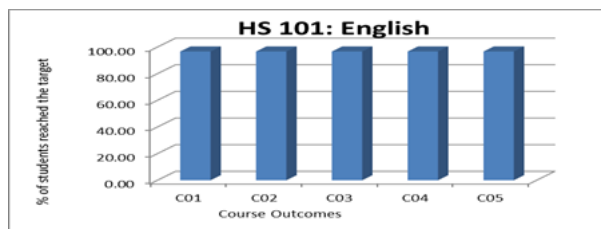
APPLIED PHYSICS/ENGINEERING CHEMISTRY LAB (AP/EC LAB)

Table 8.4.2.1: 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%

HS106 - AP/EC LAB			
S.No	ROLLNO	Lab Internal	Lab External
1	23N31A0401	39	60
2	23N31A0402	38	60
3	23N31A0403	22	0
4	23N31A0404	32	53
5	23N31A0405	32	46
6	23N31A0406	32	53
7	23N31A0407	37	60
8	23N31A0408	23	39
9	23N31A0409	25	32
10	23N31A0410	31	53
11	23N31A0411	37	60
12	23N31A0412	34	60
13	23N31A0414	15	53
14	23N31A0415	28	60
15	23N31A0416	38	53

Table 8.4.2.2: Students marks according to the assessment type applicable

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 8.4.2.3: Course Outcome Attainment

S.No	ROLL NO	CourseOutcomes				
		CO1	CO2	CO3	CO4	CO5
1	23N31A0401	10.7	10.7	10.7	10.7	10.7
2	23N31A0402	10.7	10.7	10.7	10.7	10.7
3	23N31A0403	1.3	1.3	1.3	1.3	1.3
4	23N31A0404	9.3	9.3	9.3	9.3	9.3
5	23N31A0405	8.4	8.4	8.4	8.4	8.4
6	23N31A0406	9.3	9.3	9.3	9.3	9.3
7	23N31A0407	10.6	10.6	10.6	10.6	10.6
8	23N31A0408	6.8	6.8	6.8	6.8	6.8
9	23N31A0409	6.0	6.0	6.0	6.0	6.0
10	23N31A0410	9.3	9.3	9.3	9.3	9.3
11	23N31A0411	10.6	10.6	10.6	10.6	10.6
12	23N31A0412	10.4	10.4	10.4	10.4	10.4
13	23N31A0414	8.3	8.3	8.3	8.3	8.3
14	23N31A0415	10.1	10.1	10.1	10.1	10.1
15	23N31A0416	9.7	9.7	9.7	9.7	9.7

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	HS10600	HS106.3	HS106.4	HS106.5
Target value	3.80	3.80	3.80	3.80	3.80
No. of students reached target	123	123	123	123	123
%of students achieved target	96.85%	96.85%	96.85%	96.85%	96.85%
Attainment level	3	3	3	3	3

The graphical representation is as shown below

HS 106 : A.P/E.C Lab

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	89	89	89	89	89
%of students achieved target	74.79%	74.79%	74.79%	74.79%	74.79%
Attainment level	3	3	3	3	3
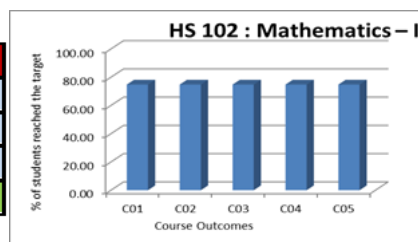
HS 102 : Mathematics – I

Applied Physics

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	112	112	112	112	112
%of students achieved target	94.12%	94.12%	94.12%	94.12%	94.12%
Attainment level	3	3	3	3	3
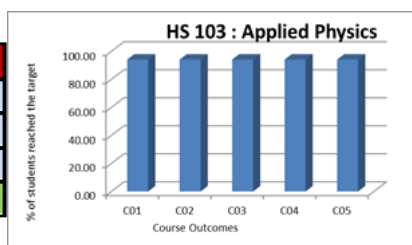
HS 103 : Applied Physics

Engineering chemistry

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	100	100	100	100	100
%of students achieved target	84.03%	84.03%	84.03%	84.03%	84.03%
Attainment level	3	3	3	3	3
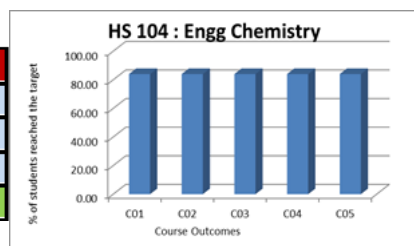
HS 104 : Engg Chemistry

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	95	95	95	95	95
%of students achieved target	79.83%	79.83%	79.83%	79.83%	79.83%
Attainment level	3	3	3	3	3
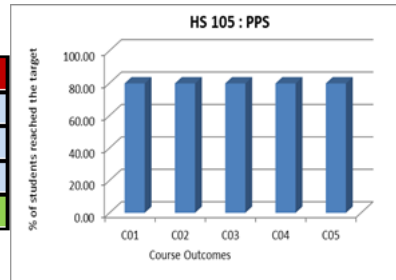
Applied Physics/Engg. Chemistry Lab

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	123	123	123	123	123
%of students achieved target	96.85%	96.85%	96.85%	96.85%	96.85%
Attainment level	3	3	3	3	3
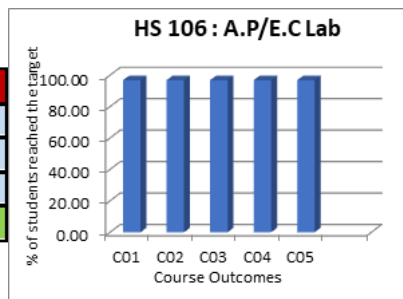
Engineering & Computing Hardware Workshop

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	124	124	124	124	124
%of students achieved target	97.64%	97.64%	97.64%	97.64%	97.64%
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	123	123	123	123	123
%of students achieved target	96.85%	96.85%	96.85%	96.85%	96.85%
Attainment level	3	3	3	3	3

HS 108 : PPS Lab
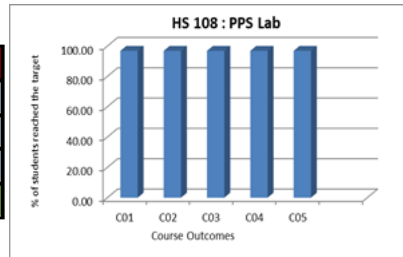
Professional English

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	113	113	113	113	113
%of students achieved target	94.96%	94.96%	94.96%	94.96%	94.96%
Attainment level	3	3	3	3	3

HS 109 : Professional English

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	76	76	76	76	76
%of students achieved target	63.87%	63.87%	63.87%	63.87%	63.87%
Attainment level	3	3	3	3	3

HS 110 : Mathematics – II

Principles of Electrical and Electronics Engineering

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	76	76	76	76	76
%of students achieved target	63.87%	63.87%	63.87%	63.87%	63.87%
Attainment level	3	3	3	3	3

Computer Aided Engineering Graphics

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	99	99	99	99	99
%of students achieved target	83.19%	83.19%	83.19%	83.19%	83.19%
Attainment level	3	3	3	3	3
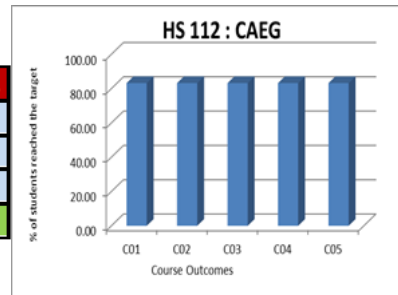
Python Programming

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	74	74	74	74	74
%of students achieved target	62.18%	62.18%	62.18%	62.18%	62.18%
Attainment level	3	3	3	3	3
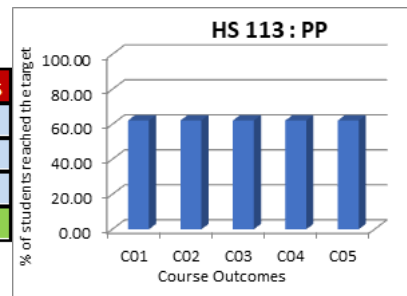
English Language and Communications Skills Lab

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	118	118	118	118	118
%of students achieved target	92.91%	92.91%	92.91%	92.91%	92.91%
Attainment level	3	3	3	3	3

Principles of Electrical and Electronics Engineering 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	118	118	118	118	118
%of students achieved target	92.91%	92.91%	92.91%	92.91%	92.91%
Attainment level	3	3	3	3	3

Python Programming Lab

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	118	118	118	118	118
%of students achieved target	92.91%	92.91%	92.91%	92.91%	92.91%
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:

Table 8.4.2.1: 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%	100.0
Subjective Test	20%	20%	20%	20%	20%	100.0
Assignments	20%	20%	20%	20%	20%	100.0
Average	20.00%	20.00%	20.00%	20.00%	20.00%	100.00%

Step-2: Overall Percentage Distribution (Table: 8.4.2.2)

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

Table 8.4.2.2(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 8.4.2. 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: 8.4.2.3)

Student Marks are to be recorded as per the assessment type mentioned in Table 8.4.2.1. 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 R22 regulation.

HS101 -ENGLISH				
		Internal Assessment		
S.No	ROLLNO	Subjecti	Assignment	FinalExam
1	22N31A0401	26	10	49
2	22N31A0402	16	10	36
3	22N31A0403	16	10	37
4	22N31A0404	21	10	41
5	22N31A0405	16	10	39
6	22N31A0406	26	10	43
7	22N31A0407	26	10	42
8	22N31A0408	28	10	36
9	22N31A0409	26	10	47
10	22N31A0410	11	10	16
11	22N31A0411	21	10	32
12	22N31A0412	21	10	40
13	22N31A0413	16	10	31
14	22N31A0415	21	10	48
15	22N31A0417	27	10	51

Table 8.4.2.3: Students marks according to the assessment type applicable

Step-4: Defining Normalized Equation to obtain Course Outcome Attainment(Table 8.4.2.4)

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:8.4.2.4)

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

Table 8.4.2.4: Course Outcome Attainment

		CourseOutcomes				
		CO1	CO2	CO3	CO4	CO5
1	22N31A0401	7.6	7.6	7.6	8.2	7.6
2	22N31A0402	5.5	5.5	5.5	5.9	5.5
3	22N31A0403	5.6	5.6	5.6	6.1	5.6
4	22N31A0404	6.4	6.4	6.4	6.9	6.4
5	22N31A0405	5.8	5.8	5.8	6.3	5.8
6	22N31A0406	6.9	6.9	6.9	7.4	6.9
7	22N31A0407	6.8	6.8	6.8	7.2	6.8
8	22N31A0408	6.2	6.2	6.2	6.5	6.2
9	22N31A0409	7.4	7.4	7.4	7.9	7.4
10	22N31A0410	2.8	2.8	2.8	2.9	2.8
11	22N31A0411	5.3	5.3	5.3	5.6	5.3
12	22N31A0412	6.2	6.2	6.2	6.7	6.2
13	22N31A0413	4.9	4.9	4.9	5.2	4.9
14	22N31A0415	7.2	7.2	7.2	7.8	7.2
15	22N31A0417	7.9	7.9	7.9	8.5	7.9

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 8.4.2.2(a) and Average of individual Cos in Table 8.4.2.1 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: 8.4.2.4)

Find the percentage of students who reached the target of each individual Cos (Step-6) using table 8.4.2.4.

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.

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	116	116	116	118	116
%of students achieved target	95.08%	95.08%	95.08%	96.72%	95.08%
Attainment level	3	3	3	3	3

The graphical representation is as shown below

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%

The graphical representation is as shown below
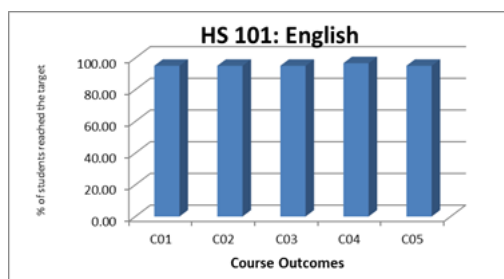
APPLIED PHYSICS/ENGINEERING CHEMISTRY LAB (AP LAB)

Table 8.4.2.1: 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 8.4.2.2: Students marks according to the assessment type applicable

HS106 - AP/EC LAB			
S.No	ROLLNO	Lab Internal	Lab External
1	22N31A0401	38	58
2	22N31A0402	36	56
3	22N31A0403	30	51
4	22N31A0404	30	55
5	22N31A0405	36	55
6	22N31A0406	36	56
7	22N31A0407	37	57
8	22N31A0408	37	59
9	22N31A0409	38	58
10	22N31A0410	30	49
11	22N31A0411	33	55
12	22N31A0412	34	47
13	22N31A0413	34	51
14	22N31A0415	36	55
15	22N31A0417	38	57

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 8.4.2.3: Course Outcome Attainment

S.No	ROLL NO	CourseOutcomes				
		CO1	CO2	CO3	CO4	CO5
1	22N31A0401	10.0	10.0	10.0	10.0	10.0
2	22N31A0402	9.6	9.6	9.6	9.6	9.6
3	22N31A0403	8.5	8.5	8.5	8.5	8.5
4	22N31A0404	9.0	9.0	9.0	9.0	9.0
5	22N31A0405	9.5	9.5	9.5	9.5	9.5
6	22N31A0406	9.6	9.6	9.6	9.6	9.6
7	22N31A0407	9.8	9.8	9.8	9.8	9.8
8	22N31A0408	10.0	10.0	10.0	10.0	10.0
9	22N31A0409	10.0	10.0	10.0	10.0	10.0
10	22N31A0410	8.3	8.3	8.3	8.3	8.3
11	22N31A0411	9.2	9.2	9.2	9.2	9.2
12	22N31A0412	8.4	8.4	8.4	8.4	8.4
13	22N31A0413	8.8	8.8	8.8	8.8	8.8
14	22N31A0415	9.5	9.5	9.5	9.5	9.5
15	22N31A0417	9.9	9.9	9.9	9.9	9.9

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	HS10600	HS106.3	HS106.4	HS106.5
Target value	3.80	3.80	3.80	3.80	3.80
No. of students reached target	122	122	122	122	122
%of students achieved target	100.00%	100.00%	100.00%	100.00%	100.00%
Attainment level	3	3	3	3	3

The graphical representation is as shown below

HS 106 : AP/EC Lab

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	99	99	99	99	99
%of students achieved target	81.15%	81.15%	81.15%	81.15%	81.15%
Attainment level	3	3	3	3	3

HS 102 : Mathematics – I

Applied Physics

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	111	111	111	111	111
%of students achieved target	90.98%	90.98%	90.98%	90.98%	90.98%
Attainment level	3	3	3	3	3

HS 103 : Applied Physics

Engineering Chemistry

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	111	111	111	111	111
%of students achieved target	90.98%	90.98%	90.98%	90.98%	90.98%
Attainment level	3	3	3	3	3

HS 104 : E.CHEM

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	96	96	96	96	96
%of students achieved target	78.69%	78.69%	78.69%	78.69%	78.69%
Attainment level	3	3	3	3	3
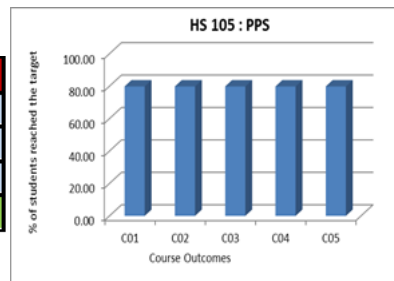
Applied Physics/Engineering Chemistry Lab

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	122	122	122	122	122
%of students achieved target	100.00%	100.00%	100.00%	100.00%	100.00%
Attainment level	3	3	3	3	3
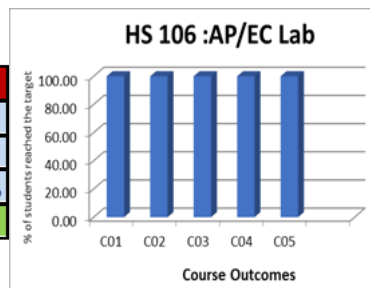
Engineering and Computing Hardware workshop

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	122	122	122	122	122
%of students achieved target	100.00%	100.00%	100.00%	100.00%	100.00%
Attainment level	3	3	3	3	3
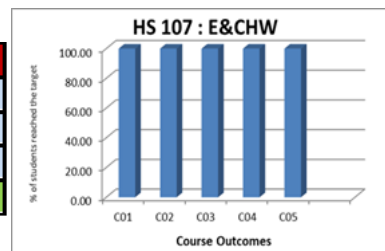
Programming for Problem Solving Lab

Course Outcomes	HS108.1	HS108.2	HS108.3	HS108.4	HS108.5
Target value	3.80	3.80	3.80	3.80	3.80
No.of students reached target	121	121	121	121	121
%of students achieved target	99.18%	99.18%	99.18%	99.18%	99.18%
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	121	121	121	121	121
%of students achieved target	99.18%	99.18%	99.18%	99.18%	99.18%
Attainment level	3	3	3	3	3
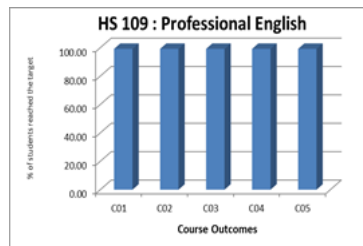
Mathematics II

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	89	89	89	89	89
%of students achieved target	72.95%	72.95%	72.95%	72.95%	72.95%
Attainment level	3	3	3	3	3
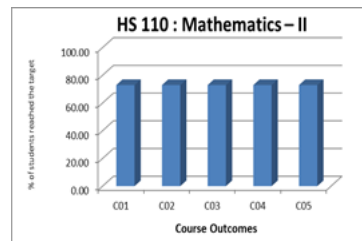
Principles of Electrical and Electronics Engineering

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	105	93	93	93	93
%of students achieved target	86.07%	76.23%	76.23%	76.23%	76.23%
Attainment level	3	3	3	3	3

Computer Aided Engineering Graphics

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	109	109	109	109	109
%of students achieved target	89.34%	89.34%	89.34%	89.34%	89.34%
Attainment level	3	3	3	3	3

Python Programming

HS 113 : 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	109	109	109	109	109
%of students achieved target	89.34%	89.34%	89.34%	89.34%	89.34%
Attainment level	3	3	3	3	3

English Language and Communications Skills Lab

HS 114: ELCS 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	122	122	122	122	122
%of students achieved target	100.00%	100.00%	100.00%	100.00%	100.00%
Attainment level	3	3	3	3	3

Principles of Electrical and Electronics Engineering Lab

HS 115 PEEE 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	121	121	121	121	121
%of students achieved target	99.18%	99.18%	99.18%	99.18%	99.18%
Attainment level	3	3	3	3	3

Python Programming Lab

HS 116 : PP Lab

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	121	121	121	121	121
%of students achieved target	99.18%	99.18%	99.18%	99.18%	99.18%
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: 8.4.2.1)

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:

Table 8.4.2.1: Assessment-CO Matrix (Autonomous – R20)

| 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:8.4.2.2)

As per the **Autonomous Regulations(R20)**, the Overall Percentage Distribution is shown below which is useful in calculation of attainment of Cos

Table 8.4.2.2(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 8.4.2.2(b): Overall Percentage Distribution for Labs

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

Step-3: Student Marks according to each assessment group (Table:8.4.2.3)

Student Marks are to be recorded as per the assessment type mentioned in Table 8.4.2.. 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 8.4.2.3: Students marks according to the assessment type applicable

HS101 -ENGLISH			
		Internal Assessment	
S.No	ROLLNO	Subjecti	Assignment	FinalExam
1	21N31A0402	23	6	56
2	21N31A0403	22	6	49
3	21N31A0404	20	6	53
4	21N31A0405	22	6	55
5	21N31A0406	20	6	45
6	21N31A0407	19	6	48
7	21N31A0408	24	6	55
8	21N31A0409	20	6	49
9	21N31A0410	21	6	48
10	21N31A0411	21	6	40
11	21N31A0412	20	6	45
12	21N31A0413	20	6	35
13	21N31A0414	23	6	49
14	21N31A0415	20	6	52
15	21N31A0416	14	6	45

Step-4: Defining Normalized Equation to obtain Course Outcome Attainment (Table 8.4.2.4)

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:8.4.2.4)

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

Table 8.4.2.4: Course Outcome Attainment

		CourseOutcomes				
		CO1	CO2	CO3	CO4	CO5
1	21N31A0402	9.0	9.0	9.0	9.0	8.2
2	21N31A0403	8.0	8.0	8.0	8.0	7.3
3	21N31A0404	8.5	8.5	8.5	8.5	7.7
4	21N31A0405	8.8	8.8	8.8	8.8	8.0
5	21N31A0406	7.3	7.3	7.3	7.3	6.7
6	21N31A0407	7.7	7.7	7.7	7.7	7.0
7	21N31A0408	8.9	8.9	8.9	8.9	8.2
8	21N31A0409	7.9	7.9	7.9	7.9	7.2
9	21N31A0410	7.8	7.8	7.8	7.8	7.1
10	21N31A0411	6.7	6.7	6.7	6.7	6.2
11	21N31A0412	7.3	7.3	7.3	7.3	6.7
12	21N31A0413	5.9	5.9	5.9	5.9	5.5
13	21N31A0414	8.0	8.0	8.0	8.0	7.4
14	21N31A0415	8.3	8.3	8.3	8.3	7.6
15	21N31A0416	7.0	7.0	7.0	7.0	6.4

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 8.4.2.2(a) and Average of individual Cos in Table 8.4.2.1 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: 8.4.2.4)

Find the percentage of students who reached the target of each individual Cos (Step-6) using table 8.4.2.4.

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	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	245	245	245	245	244
%of students achieved target	97.61%	97.61%	97.61%	97.61%	97.21%
Attainment level	3	3	3	3	3

The graphical representation is as shown below
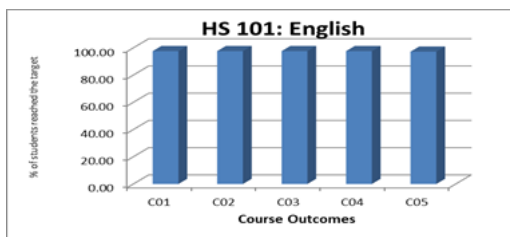
APPLIED PHYSICS LAB (AP LAB)

Table 8.4.2.1: Assessment-CO Matrix (Autonomous – R20)
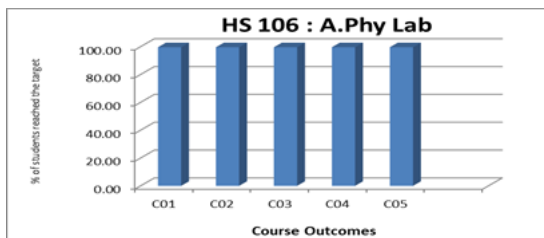
Table 8.4.2.2: Students marks according to the assessment type applicable

HS106 - AP LAB			
S.No	ROLLNO	Lab Internal	Lab External
1	21N31A0402	29	70
2	21N31A0403	30	70
3	21N31A0404	27	70
4	21N31A0405	29	70
5	21N31A0406	27	70
6	21N31A0407	19	56
7	21N31A0408	30	70
8	21N31A0409	23	63
9	21N31A0410	26	70
10	21N31A0411	29	70
11	21N31A0412	22	63
12	21N31A0413	25	63
13	21N31A0414	28	70
14	22N31A0415	36	55
15	22N31A0417	38	57

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 8.4.2.3: Course Outcome Attainment

S.No	ROLL NO	CourseOutcomes				
		CO1	CO2	CO3	CO4	CO5
1	21N31A0402	11.5	11.5	11.5	11.5	11.5
2	21N31A0403	11.6	11.6	11.6	11.6	11.6
3	21N31A0404	11.4	11.4	11.4	11.4	11.4
4	21N31A0405	11.5	11.5	11.5	11.5	11.5
5	21N31A0406	11.4	11.4	11.4	11.4	11.4
6	21N31A0407	9.0	9.0	9.0	9.0	9.0
7	21N31A0408	11.6	11.6	11.6	11.6	11.6
8	21N31A0409	10.2	10.2	10.2	10.2	10.2
9	21N31A0410	11.4	11.4	11.4	11.4	11.4
10	21N31A0411	11.5	11.5	11.5	11.5	11.5
11	21N31A0412	10.1	10.1	10.1	10.1	10.1
12	21N31A0413	10.3	10.3	10.3	10.3	10.3
13	21N31A0414	11.5	11.5	11.5	11.5	11.5
14	21N31A0415	10.0	10.0	10.0	10.0	10.0
15	21N31A0416	9.2	9.2	9.2	9.2	9.2

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

	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	250	250	250	250	250
%of students achieved target	99.60%	99.60%	99.60%	99.60%	99.60%
Attainment level	3	3	3	3	3

The graphical representation is as shown below
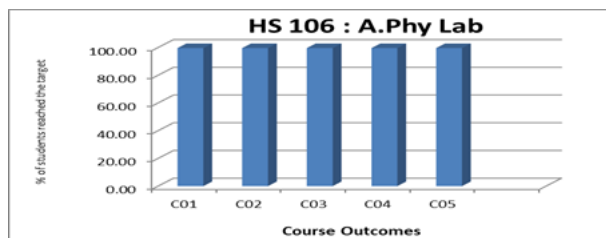
The CO attainments are tabulated as follows

HS102-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	222	222	222	222	207
%of students achieved target	88.45%	88.45%	88.45%	88.45%	82.47%
Attainment level	3	3	3	3	3
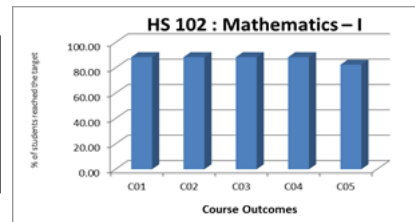
HS103-Applied Physics

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	228	228	228	228	228
%of students achieved target	90.84%	90.84%	90.84%	90.84%	90.84%
Attainment level	3	3	3	3	3
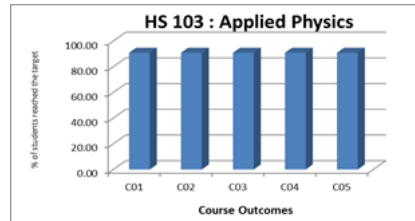
HS104-Analog and Digital Electronics

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	210	210	210	210	210
%of students achieved target	83.67%	83.67%	83.67%	83.67%	83.67%
Attainment level	3	3	3	3	3
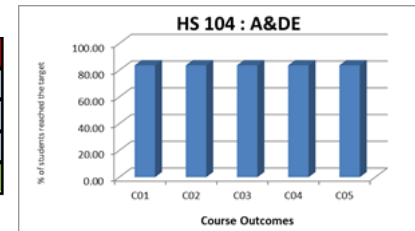
HS105- Programming for Problem Solving

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	189	189	189	189	189
%of students achieved target	75.30%	75.30%	75.30%	75.30%	75.30%
Attainment level	3	3	3	3	3
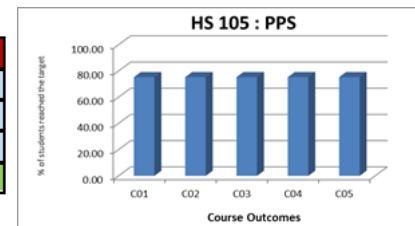
HS106- Applied Physics Lab

Course Outcomes	HS106.1	HS106.2	HS106.3	HS106.4	HS106.5
Target value	4.54	4.54	4.54	4.54	4.54
No.of students reached target	250	250	250	250	250
%of students achieved target	99.60%	99.60%	99.60%	99.60%	99.60%
Attainment level	3	3	3	3	3
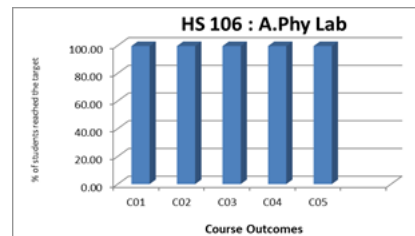
HS107- Engineering /IT workshop

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	250	250	250	250	250
%of students achieved target	99.60%	99.60%	99.60%	99.60%	99.60%
Attainment level	3	3	3	3	3
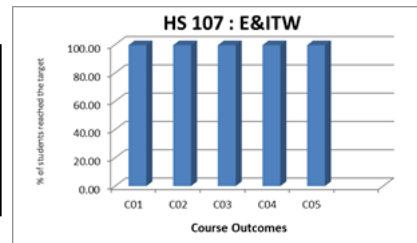
HS108- Programming for Problem Solving Lab

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	249	249	249	249	249
%of students achieved target	99.20%	99.20%	99.20%	99.20%	99.20%
Attainment level	3	3	3	3	3
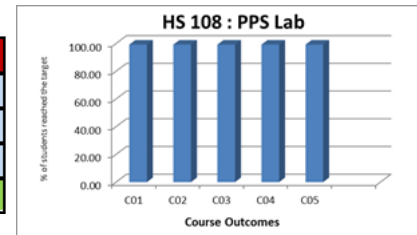
HS109-Professional English

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	219	219	219	219	219
%of students achieved target	87.25%	87.25%	87.25%	87.25%	87.25%
Attainment level	3	3	3	3	3
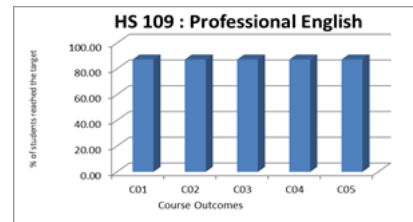
HS110-Mathematics-II

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	204	204	204	204	204
%of students achieved target	81.27%	81.27%	81.27%	81.27%	81.27%
Attainment level	3	3	3	3	3
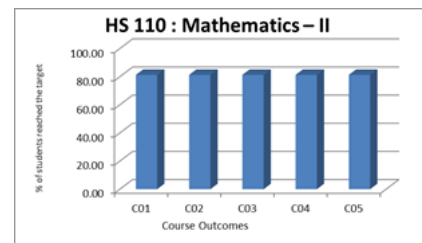
HS111-Basic Electrical Engineering

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	197	185	185	185	185
%of students achieved target	78.49%	73.71%	73.71%	73.71%	73.71%
Attainment level	3	3	3	3	3
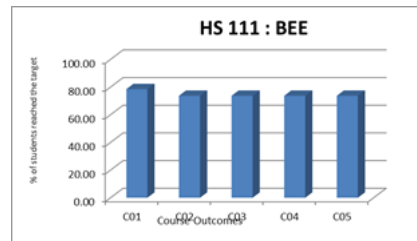
HS112- Computer Aided Engineering Graphics

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	238	238	238	238	238
%of students achieved target	94.82%	94.82%	94.82%	94.82%	94.82%
Attainment level	3	3	3	3	3
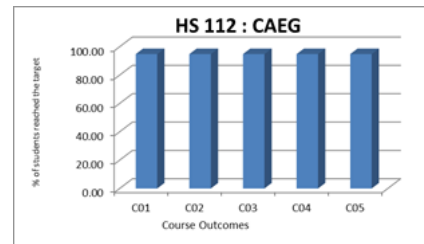
HS113-Python Programming

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	187	187	187	187	187
%of students achieved target	74.50%	74.50%	74.50%	74.50%	74.50%
Attainment level	3	3	3	3	3
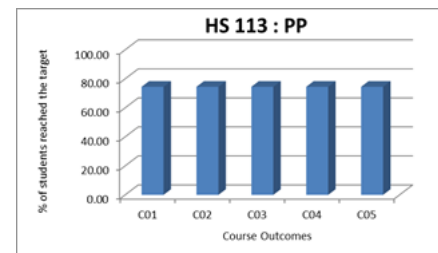
HS114-English Language Communication Skills Lab

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	251	251	251	251	251
%of students achieved target	100.00%	100.00%	100.00%	100.00%	100.00%
Attainment level	3	3	3	3	3
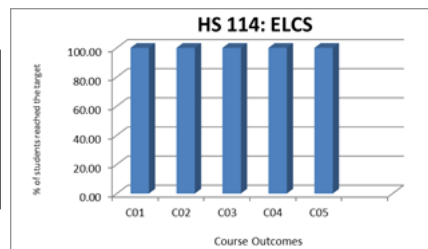
HS115-Basic Electrical Engineering Lab

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	251	251	251	251	251
%of students achieved target	100.00%	100.00%	100.00%	100.00%	100.00%
Attainment level	3	3	3	3	3

HS 115: BEE LAB
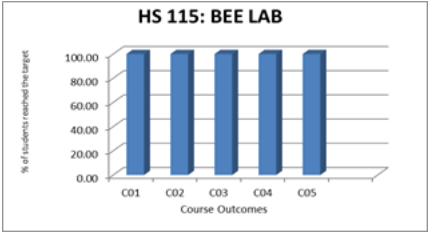
HS116-Python Programming Lab

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	251	251	251	251	251
%of students achieved target	100.00%	100.00%	100.00%	100.00%	100.00%
Attainment level	3	3	3	3	3

HS 116 : PP Lab
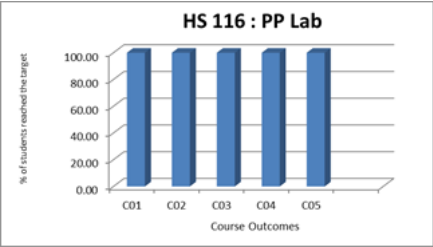
8.5 Attainment of Program Outcomes from first year courses (20)   Total Marks 20.00

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
ENGLI	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
PROFI	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 I	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	3	0
PHYSI	3	0	0	3	3	3	0	3	3	3	0	0
PP LAI	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
ENGLI	2.8	2.6	3
M-I	3	2	2
APHY	3	2.5	2.5
ECHEI	3	2.5	3
PPS	3	3	3
PROFI	2.8	2.6	3
M-II	3	2	2
PEEE	2.5	3	2.8
CAEG	3	2	3
PP	3	3	3
ELCS I	2.8	2.6	3
APHY/	3	2.5	2
PPS Lɛ	3	3	3
PEEE	2.5	3	2.8
PP LAI	3	3	3
EC&H\	2.8	2.6	2.5

PSO Attainment Level

Course	PO1	PO2	PO3
Direct Attainment	2.89	2.62	2.72
PSO Attainment	2.89	2.62	2.72

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	2.6	2.92	Target Level has been achieved
PO 2 : Problem Analysis			
PO 2	2.6	2.82	Target Level has been achieved
PO 3 : Design/development of Solutions			
PO 3	2.6	2.85	Target Level has been achieved
PO 4 : Conduct Investigations of Complex Problems			
PO 4	2.6	2.6	Target Level has been achieved
PO 5 : Modern Tool Usage			
PO 5	2.6	2.75	Target Level has been achieved
PO 6 : The Engineer and Society			
PO 6	2.6	2.97	Target Level has been achieved
PO 7 : Environment and Sustainability			
PO 7	2.6	2.8	Target Level has been achieved
PO 8 : Ethics			
PO 8	2.6	2.77	Target Level has been achieved
PO 9 : Individual and Team Work			
PO 9	2.62	2.9	Target Level has been achieved
PO 10 : Communication			
PO 10	2.6	2.87	Target Level has been achieved
PO 11 : Project Management and Finance			
PO 11	2.6	2.85	Target Level has been achieved
PO 12 : Life-long Learning			
PO 12	2.6	2.92	Target Level has been achieved

PSOs Attainment Levels and Actions for Improvement- (2023-24)

PSOs	Target Level	Attainment Level	Observations
PSO 1 : To develop a student community who acquire knowledge by ethical learning and fulfill the societal and industry needs in various technologies of core field.			
PSO 1	2.6	2.89	Target Level has been achieved
Action 1: In the autonomous curriculum the department has introduced "Professional Ethics" as a compulsory course to enhance their moral and ethical values.			
PSO 2 : To nurture the students in designing, analyzing and interpreting required in research and development with exposure in multi disciplinary technologies in order to mould them as successful industry ready engineers/entrepreneurs.			
PSO 2	2.6	2.62	Target Level has been achieved
Action 1: The faculty in the department has been following the practice of giving design problems as assignments to students to enhance their problem-solving ability. Action2: In the department there are appreciable number of PhD Scholars who are exposing the students design & development related topics thereby enhancing their skill set in evolving solutions. Action3: Students will be required to write an analysis of the problem-solving process and its outcome(s).			
PSO 3 : To empower students with all round capabilities who will be useful in making nation strong in technology, education and research domains.			
PSO 3	2.6	2.72	Target Level has been achieved
Action 1: An Incubation Cell has been established through which students are encouraged to implement their creative and innovative ideas for the ultimate realization of startups and a course, Innovation, Start-up & Entrepreneurship is also introduced to motivate the students. Action 2: Students are encouraged to participate in national level events like Hackathon, internship programs in universities abroad like UNIMAS, Malaysia and carry their major projects in national level organizations like DRDO and ISRO.			

---

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

The mission of the Student Mentoring Services is to assist all students in the following areas:

• Develop effective learning strategies
• Strengthen personal motivation
• Maintain academic achievement
• Offer support in setting academic goals
• Enhance the overall student experience
• Delivery of workshops and study groups
• Number of Faculty mentors: 38
• Number of students per mentor: 20 or less
• Frequency of meeting: Minimum twice in a month

Table 9.1.1: Student Mentoring Services

S.NO	Type of Mentoring	Yes/No	No. of Mentors	No. of Students per Mentor
1	Professional guidance	Yes		
2	Career advancement	Yes	All faculty members who are handling the class for the students	15-20 per mentor
3	Course work specific	Yes		
4	Lab specific	Yes		
5	Total development	Yes		

Each student has to fill up and maintain a Student diary with details of parents/guardian, addresses, contact numbers and an academic history of student marks in all public examinations and class tests in the Engineering courses.
• Any personal difficulties of the student will also be discussed and the student will be directed to professional counselors, if required.
• The parents shall always be informed regarding the progress as well as problems, if any, of the students.
• Mentor shall also keep a track of the academic journal prepared by the student detailing what he/she has learnt in every period.
• Students' participation in arts and sports items and his personality and character will also be graded by the mentor which can be viewed by the HOD   and Principal. Corrective advice is given, if necessary.
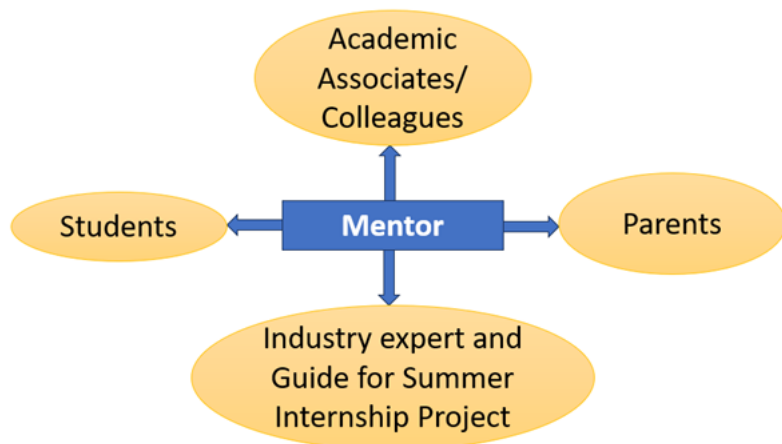
Figure 9.1.1: Mentoring System

The Mentoring Format used in the college is shown below:

MALLA REDDY COLLEGE OF ENGINEERING & TECHNOLOGY

(Autonomous Institution)

(Affiliated to JNTU, Hyderabad, Approved by AICTE - Accredited by NBA & NAAC – 'A' Grade - ISO 9001:2015 Certified)
Maisammaguda, Dhulapally (Post Kompally), 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:

Aadhar Number :

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.
Father					
Mother					

ACADEMIC PERFORMANCE:

Name of the Board	Name of the School/College	Year of passing	Medium of Study	% of Marks
10th Class (SSC/ CBSE)				
Intermediate / Diploma				

Name of the Counselor/Mentor:

ACADEMIC PERFORMANCE

I/IV – B.Tech: I Semester

Subject	Grade	Grade Point	Result	Course Credits

ATTENDANCE PARTICULARS:

Month	Aug.	Sept.	Oct.	Nov.	Dec.
Percentage					
Remarks					

Results: Promoted / Detained   Reason:_____

EXTRA, CO-CURRICULAR ACTIVITIES:

1. Seminars/Workshops:
2. Awards/Prizes:

Counselor Remarks/suggestions:

Counselor Suggestions	Student/Parent Remarks

PARTICIPATION LEVEL:

Excellent   Very Good   Good   Satisfactory

Signature of the Counselor   Signature of Head of the Department   Principal

Figure 9.1.2: Mentoring Template

Mentors address the concerns of the students that they may have during the course of their studies. Mentoring can help students to:

- Identify and clarify personal and professional goals
- Face challenges with greater ease and confidence
- Get back on track when distracted
- Develop strategies and action plans that yield results
- Stay motivated and committed until graduation

The mentoring system followed in the college is given below:

II YEAR (2024-25) MENTOR LIST
SECTION: A

S.NO.	NAME OF FACULTY	PHONE NOS	ROLL NO.
1	E MAHENDER REDDY	9908474780	23N31A0401 To 422
2	S REVATHI	7661028541	23N31A0423 To 444
3	K VIJAYA BHARATHI	9292103014	23N31A0445 To 466

SECTION: B

S.NO.	NAME OF FACULTY	PHONE NOS	ROLL NO.
1	N SARITHA	9491758072	23N31A0467 To 488
2	V SHIVARAJ KUMAR	9963563995	23N31A0489 To 4B0
3	S DEEPIKA	7013291998	23N31A04B1 To 4C7

III YEAR (2024-25) MENTOR LIST
SECTION: A

S.NO.	NAME OF FACULTY	PHONE NOS	ROLL NO.
1	G VAIDEHI	9394800108	22N31A0401 To 424
2	K SURESH	9553803141	22N31A0425 To 448
3	P ANITHA	9908121889	22N31A0449 To 466, LE-1 To 4

SECTION: B

S.NO.	NAME OF FACULTY	PHONE NOS	ROLL NO.
1	P SWETHA	9676109158	22N31A0467 To 490
2	R SATISH KUMAR	9491050418	22N31A0491 To 4B4
3	K BHAVANA	9550542604	22N31A04B5 To 4D2, LE-5 To13

IV YEAR (2024-25) MENTOR LIST

SECTION: A

S.NO.	NAME OF FACULTY	PHONE NOS	ROLL NO.
1	CH. KIRAN KUMAR	9550088041	21N31A0401 To 422, LE-1, 2
2	A DILEEP	8466910865	21N31A0423 To 444, LE-3, 4
3	Dr. SADANAND YADAV	7588286204	21N31A0445 To 466, LE-5

SECTION: B

S.NO.	NAME OF FACULTY	PHONE NOS	ROLL NO.
1	Dr. P VANITHA	8247408752	21N31A0467 To 488, LE-6, 7
2	M SREEDHAR REDDY	9441592391	21N31A0489 To4B0, LE-8, 9
3	K SURESH	9553803141	21N31A04B1 To 4D2, LE-10

SECTION: C

S.NO.	NAME OF FACULTY	PHONE NOS	ROLL NO.
1	RENJU PANICKER	9908989804	21N31A04D3 To 4F4, LE-11, 12
2	NILOFER	7660968623	21N31A04F5 To 4H6, LE-13, 14
3	B PRAMOD	9550513252	21N31A04H7 To 4K8, LE-15

SECTION: D

S.NO.	NAME OF FACULTY	PHONE NOS	ROLL NO.
1	ANAND KUMAR DR	9640006320	21N31A04K9 To 4N0, LE- 16, 17
2	NEHA THAKUR	8126466048	21N31A04N1 To 4Q2, LE- 18, 19
3	M LOKESWARARAO	6305830415	21N31A04Q3 To 4R8, LE- 20-27

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.

Table 9.2.1: Feedback Collection Process:

S.NO	ITEM	RESPONSE
1	Feedback collected for all courses	YES
2	Specify the feedback collection process	Online feedback form is enabled on student's CAMPX login
3	Who collects the feedback	HoD
4	When feedback is collected	Twice in the semester
5	What metrics are calculated	Regularity, Coverage of fundamental concepts, Preparing the students for exam, Innovative practices followed, evaluation procedure and personal interaction with students
6	Scale of the metrics	1- Below Average, 2- Satisfactory, 3- Good, 4- Very Good, %- Excellent
7	How are the comments used	The comments from students are considered and same will be communicated to respective faculty members for their improvement in future.

After taking the feedback from the students, the score given by the students is consolidated and analysis is done for every faculty of the concerned subject.

FEEDBACK ANALYSIS
II-A- I SEMESTER 2024-25

S.No	NAME OF THE FACULTY	SUBJECT	FEEDBACK
1	Dr R Chinna Rao	Analog Circuits	92.97
2	Dr V Ramana Reddy	Network Analysis and Synthesis	85.71
3	Mr E Mahender Reddy	Digital Logic Design	91.43
4	Dr K Mallikarjuna Lingam	Signals and Systems	92.00
5	Ms N Saritha	Probability Theory and Stochastic Processes	95.29
6	S Revathi/Renju Panicker/N Saritha/K Vijaya Bharathi	Analog Circuits Lab	80/86.21/92.26 /83.23
7	V Shivaraj/E Mahender	Digital Logic Design Lab	91.52/92.73
8	Ms N Saritha/R Ramya	Basic Simulation Lab	92.73/84.52
9	K Chandrashekar	Foreign Language-French	87.27
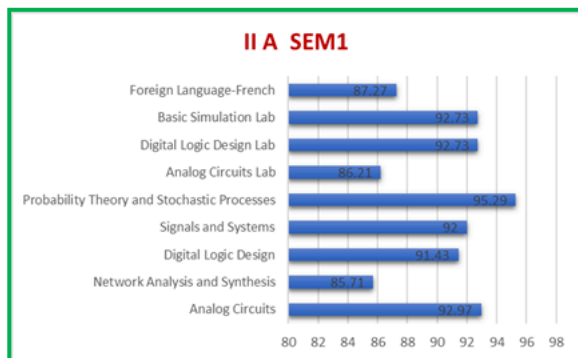
Figure 9.2.1: II-A SEM1 Feedback Analysis

II-B- I SEMESTER 2024-25

S.No	NAME OF THE FACULTY	SUBJECT	FEEDBACK
1	Dr R Chinna Rao	Analog Circuits	88.57
2	R Sai Kiran	Network Analysis and Synthesis	78.49
3	Mr K Suresh Kumar	Digital Logic Design	80.00
4	V Kiran Kumar	Signals and Systems	93.46
5	Ms N Saritha	Probability Theory and Stochastic Processes	86.80
6	K Vijaya Bharathi/Santhosh/Neha/Dileep	Analog Circuits Lab	78.30/79.17/87.76/78.30
7	K Suresh / Neha Thakur	Digital Logic Design Lab	85.96/86.38
8	V Shivaraj Kumar /Deepika	Basic Simulation Lab	91.49/80.85
9	K Chandrashekar	Foreign Language-French	84.26
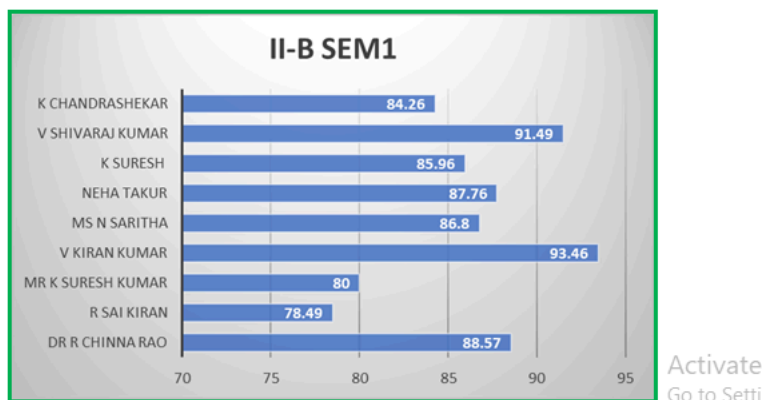
Figure 9.2.2: II-B SEM1 Feedback Analysis

FEEDBACK ANALYSIS -III Year-I SEMESTER 2024-25

SECTION-A

S.No	NAME OF THE FACULTY	SUBJECT	FEEDBACK
1	Ms P Swetha	Micro Processors & Microcontrollers	80.00
2	Ms P Anitha	AIML	73.33
3	Dr Ravi Bukya	Control Systems	70.37
4	Mr KDK Ajay	DCCN	76.30
5	MS G Vaidehi	JAVA Programming	85.60
6	P Sweth/KDK Ajay	MPMC Lab	73.64/74.29
7	G Vaidehi/P Anitha/D Asha	AIML Lab	81.90/73.33/73.33
8	Dr Sadanand Yadav	Application Development-1	61.90
9	Ms P Julia	Professional Skill Development-1	80.95
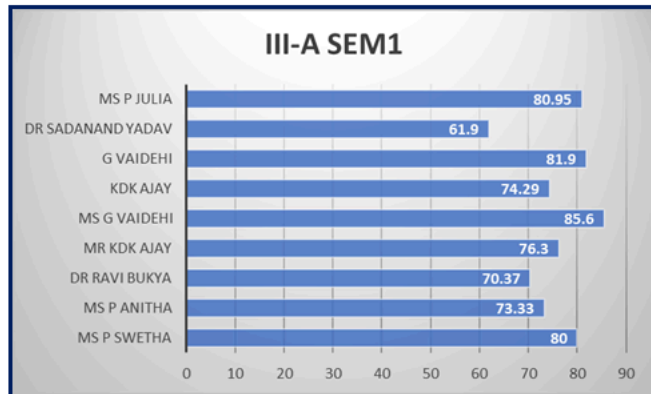
Figure 9.2.3: III-A SEM1 Feedback Analysis

III Year-I SEMESTER 2024-25
SECTION-B

S.No	NAME OF THE FACULTY	SUBJECT	FEEDBACK
1	Ms P Swetha	Micro Processors & Microcontrollers	86.32
2	Mr Ch Kiran Kumar	AIML	73.33
3	D Nageswara Rao	Control Systems	72.94
4	Mr KDK Ajay	DCCN	82.50
5	MS G Vaidehi	JAVA Programming	83.53
6	P Sweth/KDK Ajay	MPMC Lab	89.23/85.45
7	G Vaidehi/Ch Kiran Kumar	AIML Lab	87.69/85
8	Mr Hindole Bhattachargi	Application Development-1	72.73
9	Mr Rajasri	Professional Skill Development-1	96.92
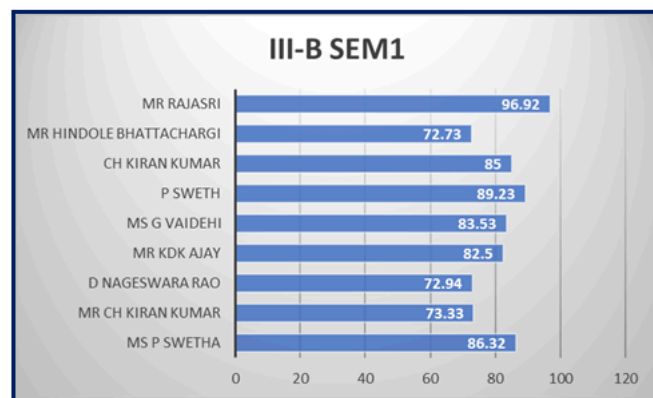
Figure 9.2.4: III-B SEM1 Feedback Analysis

Basis of reward/corrective measures, if any:

System of Reward:

- Best faculty award is given based on student's feedback, HOD's evaluation, the faculty's self-appraisal report and the marks given by Faculty appraisal committee, headed by Principal. The increments and promotions are also bearing some effect on these scores.
- Level of feedback is taken into account while evaluating the staff for promotion. Performance rating of faculty through student feedback system is one of the factors in evaluating the annual performance of the faculty.
- Based on the annual performance of the faculty the annual increments are released.

Creative Meassures :

- The faculties performing below average are asked for written explanation and counseled to improve their performance in future.
- Senior faculty attends the class of the concerned teacher and the mode of improvement in teaching is suggested.
- Those teachers who have not obtained good appraisals have a detailed discussion with the HOD on how to improve the teaching. Both study the metrics where the teacher has failed to impress the students and steps charted out, for improvement.

- If the subject is new, concerned teachers are deputed for training.
- Faculty development program is conducted regularly for all teachers who are new to the profession.

Figure 9.2.5: Faculty Reward Certificate

9.3 Feedback on facilities (5)

Total Marks 5.00

Institute Marks : 5.00

The feedback is taken from 200 students on the facilities provided in the college and the consolidated results are given below

Table 9.3.1: Feedback on Common Facilities

S. No	Name of the Facility	Score				
		Excellent (5)	Very Good (4)	Good (3)	Satisfactory (2)	Unsatisfactory (1)
1	Central Library	165	20	15	-	-
2	Training & Placement	196	02	02	-	-
3	Hostel Facilities	32	104	35	20	09
4	Wi-Fi	30	126	24	15	05
5	Power Supply	190	10	-	-	-
6	Certification Courses	193	02	03	02	-
7	Sports Facilities	197	03	-	-	-
8	College Bus Facilities	120	64	11	05	-
9	Canteen	87	69	20	24	-
10	Banking & ATM Facility	75	123	02	-	-
11	Health Care Facilities	50	141	09	-	-
12	College Store Facilities	125	65	07	-	03

Analysis:
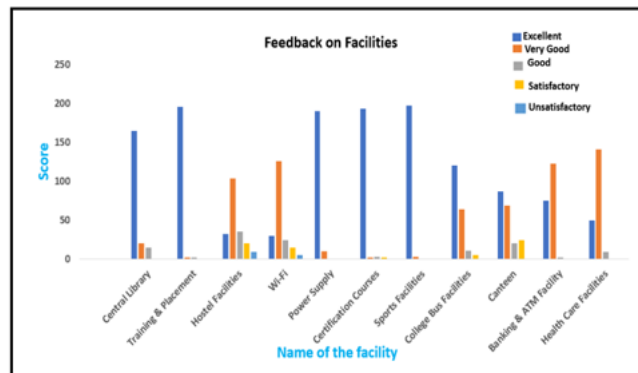
Figure 9.3.1: Common Facilities Feedback Analysis

Corrective Action Taken:

From the above analysis, we can observe that the students expressed satisfactory/Unsatisfactory for the facilities provided listed in the following table for which the corrective action taken is also mentioned.

Table 9.3.2: Corrective Measures

S. No	Name of the Facility	Score		Corrective Action Taken
		Satisfactory	Unsatisfactory	
1	Hostel Facilities	20	09	Some students are not happy with hostel food, wash rooms availability. Necessary measures have taken in improving hostel food by forming a student committee to monitor and follow a systematic food chart per week as per majority students wish. Hygienic conditions of wash rooms are improved and more number are made available in proportion to the students' occupancy
2	Wi-Fi	15	05	Measures are taken in providing a greater number of Wi-Fi routers so that un interrupted internet is available in the campus.
3	College store facility	-	03	Committee is formed which will take care of the store supplies. Register is maintained for the entry of the supply.

9.4 Self-Learning (5)   Total Marks 5.00

Institute Marks : 5.00

9.4.1 Scope for self-learning

The department initiates in the academic and allied activities of the college to nurture critical thinking, self-learning, creativity and scientific temper among students. The college believes that self-learning and learning beyond syllabus have a great scope in the development of the career of an engineer.

Everything in engineering cannot be taught in the classroom or laboratories. The explosion in knowledge related to applied science and engineering during the last century has been so much that four years is too short a period even to cover one branch of engineering. This fact calls for the relevance for self-learning for young engineers. What an institution should do is to provide adequate facilities for self-learning to students so that they get motivated to learn more and more and ultimately become life-long learners and innovators. Motivation for self-learning should be provided in the classrooms. They should also be motivated to do things themselves so that they gain confidence to try anything with their own hands. An intuition should provide ample opportunities and facilities for these students. Students are given assignments, practical projects, to promote self-learning. Learning Resource Centre, University LAN and internet resources help in self-learning. The B Tech projects given to the students in final year also provide a good tool of self-learning where students gain practical knowledge to achieve objectives of the project.

9.4.2 Generation of self-learning facilities, and availability of materials for learning beyond syllabus

Web-based Learning:

The internet is an open information system from where the students can obtain various kinds of information, media and materials such as texts, images, video sequences which can help them in a diverse way for generating self-learning environments. Due to its interactivity, learners (students) can gather information which is important in learning and helpful in accomplishing their learning objectives. Hence, the potential of the Internet self-learning mode is considered to be very high. Therefore, the Institute provides internet facilities in both the academic and hostel campuses for 24 hours to promote and motivate students to self-learning. The availability of internet facilities allows them to learn and to gather the information from worldwide networks without any interruptions.

The following facilities are provided to the students for their self-learning and learning beyond syllabus.

Infrastructure:

1. 24/7 internet access with Wi-Fi connectivity
2. Smart classrooms with audiovisual aids
3. Softwares, Language lab, Computer Labs etc.

Learning resources:

1. Committed faculty who motivate students in the process of their learning
2. Reputed Journals from IEEE, ACM, Springer, Wiley etc.
3. Online Databases and Digital Video
4. Licensed Soft wares

Learning with Multimedia:

Certification Courses:

- NPTEL
- Coursera
- Intel Unnati
- Wadhwani
- Cisco
- IEEE Blended learning
- Cambridge

Availability of course material on intra-net Digital Library facility LCD projectors for presentation

Technical Symposiums:

Organizing annual events like, Electrosurge, SPCOM and various contests. Organizing various events like poster presentation, debate, awareness, etc. Motivating students to participate in inter- college events for paper presentation and project exhibitions. The institution supports teachers to make learning efficient. The college provides a central library with all latest books and journals which the faculty can utilize effectively and provide comprehensive latest information to students. Students are encouraged to use the library independently to enhance their skills and knowledge. Apart from this college provides seminar halls where the students can participate

in group discussions, debates, seminars etc. The institution and faculty members support and encourage every student to make use of the Internet, computers and latest technologies available to upgrade themselves in their respective field of studies.

Student projects:

Each student is assigned a Mini project during Third year II semester and a Main project during Final year second semester. The students have the freedom to select projects of their choice in consultation with teachers. Execution of these projects by themselves goes a long way in developing independent thinking, organizing various elements of work in the project and finding solutions to problems they face. These projects inculcate creativity and innovative minds among students. The execution of these projects will help lifelong learners and innovators.

Promotion of research among Students:

The institution has taken keen interest to promote research culture among students. The steps taken in this regard at the college level are listed below:

1. Constitution of a Research Committee to mentor and monitor research among students and to inculcate a scientific and research environment in the college
2. Research projects for all students are carried out in the campus itself to make them more research oriented.
3. Training programs at different levels are organized to introduce upcoming technologies
4. Encourage research paper presentations in National and International Seminars
5. Personal mentoring and guidance by the research supervisor throughout the research Process.
6. Scope for publishing eligible research results in the College Research journal.

The department maintains a collection of NPTEL videos of all subjects related to the curriculum and will be made available to the students. The list of NPTEL Video lectures available in the department are mentioned below:

Table 9.4.1: List of NPTEL Video Lectures

NPTEL Video Lectures Video lectures given by professors from IIT's	
S.No	**Name of the Subject**
1	Basic Electronics
2	Python Programming
3	Digital Circuits and Systems
4	Analog and Digital Communications
5	Digital Signal Processing
6	Internet of Thongs & Its applications
7	Electromagnetic Waves
8	Digital Image Processing
9	VLSI Technology
10	Computer Organization and Operating Systems
11	Java Tutorials
12	Computer Networks

MOOCs:

A **massive open online course** (**MOOC**) is an online course aimed at unlimited participation and open access via the web. In addition to traditional course materials such as filmed lectures, readings, and problem sets, many MOOCs provide interactive user forums to support community interactions among students, professors, and teaching assistants (TAs).
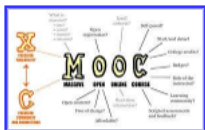
The college is providing Online Training courses in association with **NEO PAT, Hyderabad,** pioneers in providing Online Training for Professional Skills Development (PSD) Program provided for students.Similarly many certification courses are conducted for students on a regular basis to nurture them and make them Industry ready engineers.

The lists of certificate courses conducted in the department are given below:

Table 9.4.2: List of Certificate Courses

S. No	Name of the Program/Course	Duration	Year/Semester	Name of the Issuing Authority
1	Oxford Achiever	2 months	II/II Semester	Oxford University Press
2	CISCO	1 Year	B.Tech	Cisco Certification
3	Java	2 months	B.Tech	J2ME Certification
4	.NET	2 months	B.Tech	MS Office Certification
5	HAM	1 month	B.Tech	Amateur Radio Operator License

MRCET LIBRARY e-Resources

Table 9.4.3: List of Library e-Resources

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 Network	Engineering Management Architecture	Journals Books Databases Thesis	URL:http://delnet.nic.in
MRCET -Learning your knowledge centre	Engineering Management	11000+ NPTEL-Videos 500-Projects 1500+ Software Tutorial Videos 2500-Companies Information 2000+Universitie s 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
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/
Learners TV	Free Education Online	Video Tutorials: 30741 Live Animations:410 PowerPoint Presentations:359	URL:http://www.learn er stv.com/

	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.a c.in
	Teaching Learning Resources	Video lecture, Reading material-downloaded/Printed, Self-assessment tests and online discussion	URL:https://swayam.g o v.in
	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.sway a mprabha.gov.in
	Humanities, Management and Engineering NPTEL online videos, courses	NPTEL, IIT Lectures, Courses, Videos, Engineering & Management Online, video lectures.	URL:www.nptelvideos.i n

9.5 Career Guidance, Training, Placement (10)   Total Marks 10.00

Institute Marks : 10.00

To make a career and thus a living is very important in life. Students have to be very objective in deciding a career. Career choice turns the life of a person by a great measure. Although salaries matter, if students get into a field which they love, they will be happy throughout their life. Many experts predict the emergence of new roles in the coming years with specialized educational courses evolving to serve the industry. The job market has become very dynamic over the years and you have to be very careful while deciding a job role or else a course that qualifies students for it. 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.

MRCET Training, Placement & Career Guidance Cell

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 counseling, 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.

Objectives:

- To prepare students to face campus interviews by arranging training in Aptitude tests, group discussions, preparing for Technical and HR interviews through professional trainers.
- To organize campus interviews for final year students and summer internship(training) for third year students with industries and reputed business from all over India
- To promote career counseling by organizing guidance lectures by senior corporate personnel.
- Maintaining regular interaction with the industry through Seminars, Guest Lectures, Conferences, Corporate Meets etc
- Providing requisite training to students in the area of Personality Development and Communication Skills
- Collaborate with industry for live projects, Research work, Workshop or any academic alliance, Industrial visit with many industrial organizations.

ADVISORY BOARD:

S. No	Designation	Name	Status
1	Principal	Dr. S. Srinivasa Rao	Chairman
S2	Dean- Placements	Prof K Kailasa Rao	Dean
3	Placement Coordinator – ECE	Mr. D. Santosh Kumar	Member
4	Placement Coordinator – CSE	Mr. N. Siva Kumar	Member
5	Placement Coordinator – IT	Mr. I. Uma Maheshwara Rao	Member
6	Placement Coordinator – ANE	Mr. M. Ugandhar	Member
7	Placement Coordinator – MECH	Mr. R Hussain	Member
S8	Placement Coordinator – ET	Mr. A Anvesh Kumar	Member
9	Placement Coordinator – EEE	Mr. D. Vamsi	Member
10	Placement Coordinator – CI	Mr. N. Satish	Member

Some of the companies where our students got selected

PLACEMENT DETAILS

	LIST OF PLACEMENTS FOR THE ACADEMIC YEAR:2024-25			
S. No	Name of the student	H.T. No.	Name of the Employer	Appointment Letter Reference No. with date
1	Chinthala Lavanya	21N31A0451	Accenture	Letter of Intent
2	Laxman	21N31A0453	Accenture	Letter of Intent
3	Chukka Sai Varma	21N31A0455	Accenture	Letter of Intent
4	Dongala Sai Kumar Reddy	21N31A0461	Accenture	Letter of Intent
5	Gollamudi Bhagya Sri	21N31A0477	Accenture	Letter of Intent
6	Katta Thanmayee	21N31A04A8	Accenture	Letter of Intent
7	Mallela Keerthi	21N31A04D0	Accenture	Letter of Intent
8	Mekala Ganesh	21N31A04D8	Accenture	Letter of Intent
9	Mohammad Abdul Hadi	21N31A04E4	Accenture	Letter of Intent
10	Mohammad Mujeef	21N31A04E5	Accenture	Letter of Intent
11	Shaik Sameer	21N31A04L8	Accenture	Letter of Intent
12	Thokala Chiru Raghavendra	21N31A04N9	Accenture	Letter of Intent
13	Thummanapalli Srikar	21N31A04P2	Accenture	Letter of Intent
14	Udimudi Kusal	21N31A04P5	Accenture	Letter of Intent
15	B Bhoomika	22N35A0402	Accenture	Letter of Intent
16	Govindapuram Ganesh	22N35A0412	Accenture	Letter of Intent
17	Naga Laxmi Rao Baswaraju	21N31A0422	Techmahindra	
18	Gollapudi Mythri	21N31A0478	Techmahindra	
19	Mohammed Mahabub Basha	21N31A04E7	Techmahindra	
20	Pasham Shriya	21N31A04G8	Techmahindra	
21	Surabhi Tejaswini	21N31A04M8	Techmahindra	
22	Amith Reddy Katam	21N31A04A6	Cognizant	
23	Pasham Shriya	21N31A04G8	Cognizant	
24	Saransh Singh	21N31A04L3	Cognizant	
25	Surabhi Tejaswini	21N31A04M8	Cognizant	
26	Varahabhatla Sri Hari Sarma	22N35A0427	Cognizant	

S. No	Name of the Student	H.T. No	Name of the Employer	Appointment Letter Reference No. with date
	LIST OF PLACEMENTS FOR THE ACADEMIC YEAR:2023-24			
1	Bheemolla Preetham Sai	20N31A0427	Accenture	2/20/2024
2	Chedipelly Vigneshwar	20N31A0445	Accenture	2/20/2024
3	Chenagani Pavan Kalyan	20N31A0447	Accenture	2/22/2024
4	Devarakonda Chandra Sekhar	20N31A0451	Accenture	2/22/2024
5	Dharmasoth Lakshman Rao	20N31A0453	Accenture	2/22/2024
6	J Ashok	20N31A0487	Accenture	2/22/2024
7	Kantem Chandu	20N31A04A4	Accenture	2/22/2024
8	Karry Swathi	20N31A04A7	Accenture	2/26/2024
9	Maddipati Satya Ashish Janardhan	20N31A04C7	Accenture	2/22/2024
10	Makkala Satheesh	20N31A04D0	Accenture	2/23/2024
11	Maram Ajay	20N31A04D5	Accenture	03-03-2024
12	Mathangi Dheeraj Kumar	20N31A04E0	Accenture	2/26/2024
13	Medipalli Rajesh	20N31A04E5	Accenture	2/22/2024
14	Murikipudi Sri Datta Vasu Dev	20N31A04F1	Accenture	2/22/2024
15	Muthoju Sriya	20N31A04F3	Accenture	2/27/2024
16	Namana Vaishnavi	20N31A04F6	Accenture	03-06-2024
17	Pennada Saieshwar	20N31A04G7	Accenture	2/22/2024
18	Puralasetty Sai Kiran	20N31A04H5	Accenture	2/26/2024
19	Shaik Mohammed Javed	20N31A04K5	Accenture	2/22/2024
20	Veerabhathini Nikhil	20N31A04N5	Accenture	2/22/2024
21	Venne Vijay Kumar	20N31A04P2	Accenture	2/22/2024
22	Chinnapaga Tarun	21N35A0406	Accenture	2/22/2024
23	Gunde Nithish Goud	21N35A0409	Accenture	2/22/2024
24	Paspula Jayanth	21N35A0415	Accenture	2/22/2024
25	Akkala Indhu	20N31A0404	Accenture(Hackdiwa)	5/27/2024
26	Bathula Shekar Sindhu	20N31A0423	Accenture(Hackdiwa)	5/27/2024
27	Bhukya Sravani	20N31A0431	Accenture(Hackdiwa)	5/27/2024
28	Byreddy Sriya Reddy	20N31A0438	Accenture(Hackdiwa)	5/27/2024
29	Chakali Shirisha	20N31A0443	Accenture(Hackdiwa)	5/27/2024
30	Guguloth Samyuktha	20N31A0482	Accenture(Hackdiwa)	5/27/2024
31	Karipe Deepika	20N31A04A6	Accenture(Hackdiwa)	5/27/2024

32	Koripalli Sathwika	20N31A04B9	Accenture(Hackdiwa)	5/27/2024
33	M Akshaya	20N31A04C6	Accenture(Hackdiwa)	06-03-2024
34	Maloth Usha Kiran	20N31A04D2	Accenture(Hackdiwa)	06-12-2024
35	Manikonda Rajitha	20N31A04D4	Accenture(Hackdiwa)	5/27/2024
36	Masham Himaja Sree	20N31A04D8	Accenture(Hackdiwa)	5/27/2024
37	Masula Srihitha	20N31A04D9	Accenture(Hackdiwa)	06-05-2024
38	Mudu Sri Laxmi	20N31A04E9	Accenture(Hackdiwa)	5/27/2024
39	Muppi Roshini	20N31A04F0	Accenture(Hackdiwa)	06-07-2024
40	Musku Puja Pravalika	20N31A04F2	Accenture(Hackdiwa)	5/27/2024
41	Polagani Swathi	20N31A04H1	Accenture(Hackdiwa)	5/27/2024
42	R Sai Sruthi	20N31A04H8	Accenture(Hackdiwa)	06-07-2024
43	Sadwika Sri Boddupally	20N31A04J6	Accenture(Hackdiwa)	06-10-2024
44	Thonupunoori Harshini	20N31A04M0	Accenture(Hackdiwa)	5/27/2024
45	Vakadani Bhaavya Sri	20N31A04M6	Accenture(Hackdiwa)	5/27/2024
46	Vangaveeti Kavya Sree	20N31A04N3	Accenture(Hackdiwa)	5/27/2024
47	Savasi Shivani	21N35A0420	Accenture(Hackdiwa)	5/27/2024
48	Yacharam Vaishnavi	21N35A0424	Accenture(Hackdiwa)	5/27/2024
49	Annaladas Subash Chandra Bose	20N31A0407	Capgemini	Letter of Intent/14-06-2024
50	Appanna Karthik	20N31A0410	Capgemini	Letter of Intent/14-06-2024
51	Bekkam Surya Praveen Reddy	20N31A0425	Capgemini	Letter of Intent/14-06-2024
52	Bonepally Sanihith Reddy	20N31A0434	Capgemini	Letter of Intent/14-06-2024
53	Dundeti Abhilash Reddy	20N31A0458	Capgemini	Letter of Intent/14-06-2024
54	Yerroju Jeswanth	20N31A0467	Capgemini	Letter of Intent/14-06-2024
55	Jukanti Sravan Kumar	20N31A0492	Capgemini	Letter of Intent/14-06-2024
56	Kadali Bala Srinivas	20N31A0497	Capgemini	Letter of Intent/14-06-2024
57	Katta Sahithya	20N31A04B0	Capgemini	Letter of Intent/14-06-2024
58	Kondeti Karthik	20N31A04B8	Capgemini	Letter of Intent/14-06-2024
59	Paigeri Thimma Reddy	20N31A04G2	Capgemini	Letter of Intent/14-06-2024
60	Pittala Bhoomika	20N31A04G9	Capgemini	Letter of Intent/14-06-2024
61	Sunkari Sucharitha	20N31A04L3	Capgemini	Letter of Intent/14-06-2024
62	Valugula Sathwik Goud	20N31A04M9	Capgemini	Letter of Intent/14-06-2024
63	Yadagiri Sudha	20N31A04P6	Capgemini	Letter of Intent/14-06-2024
64	Yeluri Sowjanya	20N31A04Q0	Capgemini	Letter of Intent/14-06-2024

65	Potlapally Lahari	21N35A0416	Capgemini	Letter of Intent/14-06-2024
66	Vanguri Kavitha	21N35A0423	Capgemini	Letter of Intent/14-06-2024
67	Akula Ganesh	20N31A0405	Cognizant	Letter of Intent/21-06-2024
68	Atinarapu Lokesh	20N31A0413	Cognizant	Letter of Intent/21-06-2024
69	Balem Linga Swamy	20N31A0418	Cognizant	Letter of Intent/21-06-2024
70	Battini Pavan Goud	20N31A0424	Cognizant	Letter of Intent/21-06-2024
71	Bhojannagari Harshavardhan	20N31A0429	Cognizant	Letter of Intent/21-06-2024
72	Chakali Akash	20N31A0441	Cognizant	Letter of Intent/21-06-2024
73	Donakonda Deeksha	20N31A0456	Cognizant	Letter of Intent/21-06-2024
74	Ettam Harinandhan	20N31A0460	Cognizant	Letter of Intent/21-06-2024
75	Gongati Man Ideepak Reddy	20N31A0476	Cognizant	Letter of Intent/21-06-2024
76	Gunduboyana Hemanth Sai	20N31A0483	Cognizant	Letter of Intent/21-06-2024
77	Kalveti Krishna	20N31A04A2	Cognizant	Letter of Intent/21-06-2024
78	Kodam Karthik	20N31A04B3	Cognizant	Letter of Intent/21-06-2024
79	Komma Rohith Kumar	20N31A04B6	Cognizant	Letter of Intent/21-06-2024
80	Mothe Rishitha	20N31A04E8	Cognizant	Letter of Intent/21-06-2024
81	Padidhela Rahul	20N31A04G0	Cognizant	Letter of Intent/21-06-2024
82	Pandilla Akhil Reddy	20N31A04G4	Cognizant	Letter of Intent/21-06-2024
83	Sara Sai Kiran	20N31A04K1	Cognizant	Letter of Intent/21-06-2024
84	Shaik Khadeer	20N31A04K3	Cognizant	Letter of Intent/21-06-2024
85	Shetty Niharika	20N31A04K8	Cognizant	Letter of Intent/21-06-2024
86	Teku Vamshi	20N31A04L8	Cognizant	Letter of Intent/21-06-2024
87	Uppu Sai Mahesh	20N31A04M3	Cognizant	Letter of Intent/21-06-2024
88	Valiveti Nithin Sai	20N31A04M8	Cognizant	Letter of Intent/21-06-2024
89	Vemireddy Anji Reddy	20N31A04N8	Cognizant	Letter of Intent/21-06-2024
90	Vooradi Vishal	20N31A04P5	Cognizant	Letter of Intent/21-06-2024
91	Yaramala Tirumala Reddy	20N31A04P8	Cognizant	Letter of Intent/21-06-2024
92	Abc Akhil	21N35A0401	Cognizant	Letter of Intent/21-06-2024
93	Bogireddy Lokesh	21N35A0404	Cognizant	Letter of Intent/21-06-2024
94	Vangari Divya	21N35A0422	Cognizant	Letter of Intent/21-06-2024
95	Achanala Sphoorthy	20N31A0401	Global Logic	Letter of Intent/06-04-2024
96	Vooradi Anvesh	20N31A0409	Global Logic	Letter of Intent/06-04-2024
97	B Bhargava Chandra	20N31A0415	Global Logic	Letter of Intent/06-04-2024
98	Bathula Manoj Mahadeva	20N31A0422	Global Logic	Letter of Intent/06-04-2024
99	Bhashyam Aparna	20N31A0426	Global Logic	Letter of Intent/06-04-2024
100	Borra Sai Vignesh	20N31A0435	Global Logic	Letter of Intent/06-04-2024

101	Butti Srivastava	20N31A0437	Global Logic	Letter of Intent/06-04-2024
102	D V S Khyateshwara Reddy	20N31A0448	Global Logic	Letter of Intent/06-04-2024
103	Dommati Mani Kumar	20N31A0455	Global Logic	Letter of Intent/06-04-2024
104	G Shreya	20N31A0461	Global Logic	Letter of Intent/06-04-2024
105	Gattupalli Abhishek	20N31A0471	Global Logic	Letter of Intent/06-04-2024
106	Giravena Pavan Kumar	20N31A0473	Global Logic	Letter of Intent/06-04-2024
107	Gudipati Satvika	20N31A0480	Global Logic	Letter of Intent/06-04-2024
108	Indhumuri Harish	20N31A0486	Global Logic	Letter of Intent/06-04-2024
109	Jillella Ajay Kumar	20N31A0491	Global Logic	Letter of Intent/06-04-2024
110	Juluru Siddharth Gupta	20N31A0493	Global Logic	Letter of Intent/06-04-2024
111	K Vara Lakshmi	20N31A0496	Global Logic	Letter of Intent/06-04-2024
112	Komarala Supriya	20N31A04B5	Global Logic	Letter of Intent/06-04-2024
113	Kothakonda Avinash	20N31A04C0	Global Logic	Letter of Intent/06-04-2024
114	Kotipilli Charitha	20N31A04C1	Global Logic	Letter of Intent/06-04-2024
115	Kummari Deepika	20N31A04C2	Global Logic	Letter of Intent/06-04-2024
116	Lomada Praveen	20N31A04C5	Global Logic	Letter of Intent/06-04-2024
117	Madhagani Ashwini	20N31A04C8	Global Logic	Letter of Intent/06-04-2024
118	Maryala Saketh	20N31A04D7	Global Logic	Letter of Intent/06-04-2024
119	Naveen Narvaneni	20N31A04F7	Global Logic	Letter of Intent/06-04-2024
120	Niharika Manne	20N31A04F8	Global Logic	Letter of Intent/06-04-2024
121	Palakolanu Abigna Reddy	20N31A04G3	Global Logic	Letter of Intent/06-04-2024
122	Bacharla Maniraj	20N31A04J0	Global Logic	Letter of Intent/06-04-2024
123	Raya Sravanthi	20N31A04J5	Global Logic	Letter of Intent/06-04-2024
124	Seelam Sivaramakrishna Reddy	20N31A04K2	Global Logic	Letter of Intent/06-04-2024
125	Shake Venu	20N31A04K7	Global Logic	Letter of Intent/06-04-2024
126	T K Anjali	20N31A04L5	Global Logic	Letter of Intent/06-04-2024
127	Thallapally Shiva Kumar	20N31A04L9	Global Logic	Letter of Intent/06-04-2024
128	Vanam Sai Nandu	20N31A04N0	Global Logic	Letter of Intent/06-04-2024
129	Veerajahgari Anil Reddy	20N31A04N6	Global Logic	Letter of Intent/06-04-2024
130	Vemireddy Prashanth Reddy	20N31A04N9	Global Logic	Letter of Intent/06-04-2024
131	Vennapureddy Bhargav Reddy	20N31A04P1	Global Logic	Letter of Intent/06-04-2024
132	Venuturla Akhilesh Reddy	20N31A04P3	Global Logic	Letter of Intent/06-04-2024
133	Yadla Shiva Shankar Reddy	20N31A04P7	Global Logic	Letter of Intent/06-04-2024
134	Sargam Ritesh	21N35A0419	Global Logic	Letter of Intent/06-04-2024

135	Shaik Shahadik	21N35A0421	Global Logic	Letter of Intent/06-04-2024
136	Annam Ruchitha Reddy	20N31A0408	Prolifics	6/26/2023
137	Avusherla Arun	20N31A0414	Prolifics	6/26/2023
138	Bandi Jaswanth Raghavendra	20N31A0420	Prolifics	6/26/2023
139	Bhimagani Vamshi	20N31A0428	Prolifics	6/26/2023
140	C Shiva Rama Krishna	20N31A0439	Prolifics	6/26/2023
141	Dhacha Sravani	20N31A0452	Prolifics	6/26/2023
142	Gandhasiri Sai Pranav	20N31A0465	Prolifics	6/26/2023
143	Golla Thanushma	20N31A0474	Prolifics	6/26/2023
144	Gudipudi Jaya Chandra	20N31A0481	Prolifics	6/26/2023
145	Kalva Rajavardhan	20N31A04A1	Prolifics	6/26/2023
146	Kethireddy Yeshwanth Reddy	20N31A04B2	Prolifics	6/26/2023
147	Mailavarapu Sri Hari	20N31A04C9	Prolifics	6/26/2023
148	Mohammad Ashraf	20N31A04E6	Prolifics	6/26/2023
149	Pagadala Pavan Teja	20N31A04G1	Prolifics	6/26/2023
150	Porandla Roshan Sai	20N31A04H2	Prolifics	6/26/2023
151	Ratnam Ramprasad	20N31A04J3	Prolifics	6/26/2023
152	Sakilam Adithya	20N31A04J7	Prolifics	6/26/2023
153	Batthula Harikrishna	21N35A0402	Prolifics	6/26/2023
154	K Janaki Rao	21N35A0410	Prolifics	6/26/2023
155	Musti Harsha Sri	21N35A0414	Prolifics	6/26/2023
156	Angata Pavan Kalyan	20N31A0406	Sutherland	3/19/2024
157	Baddi Vani Pranitha	20N31A0417	Sutherland	3/19/2024
158	Boda Lavanya	20N31A0433	Sutherland	3/19/2024
159	Boyapalli Anil Kumar	20N31A0436	Sutherland	3/19/2024
160	Chaganti Vamshi Krishna	20N31A0440	Sutherland	3/19/2024
161	Chakali Naveen Kumar	20N31A0442	Sutherland	3/19/2024
162	Chekuri Karthik Reddy	20N31A0446	Sutherland	3/19/2024
163	Desaboina Ranjith	20N31A0450	Sutherland	3/19/2024
164	E Ashok	20N31A0459	Sutherland	3/19/2024
165	Gahani Hemanth Sai	20N31A0464	Sutherland	3/19/2024
166	Gandi Aakanksha	20N31A0466	Sutherland	3/19/2024
167	Gondela Satish	20N31A0475	Sutherland	3/19/2024
168	Hazari Sumedh	20N31A0485	Sutherland	3/19/2024
169	Kalacha Sai Praveen	20N31A04A0	Sutherland	3/19/2024
170	Kanchi Nikhitha	20N31A04A3	Sutherland	3/19/2024
171	Kaunder Vinay	20N31A04B1	Sutherland	3/19/2024
172	Konanki Hemanth	20N31A04B7	Sutherland	3/19/2024
173	Kusumaraju Teja	20N31A04C3	Sutherland	3/19/2024

174	Mallepalli Sarath Chandra Reddy	20N31A04D1	Sutherland	3/19/2024
175	Manda Akshaya	20N31A04D3	Sutherland	3/19/2024
176	Mathrasi Poojitha	20N31A04E1	Sutherland	3/19/2024
177	Patlavath Praveen Kumar	20N31A04G5	Sutherland	3/19/2024
178	Pingili Anjan Kumar	20N31A04G8	Sutherland	3/19/2024
179	Pogaku Vamshi Krishna	20N31A04H0	Sutherland	3/19/2024
180	Praveen Kumar Reddy Munagala	20N31A04H3	Sutherland	3/19/2024
181	Rachabanti Ramakrishna	20N31A04H9	Sutherland	3/19/2024
182	Shaik Khaja Babu	20N31A04K4	Sutherland	3/19/2024
183	Siliveru Bhargavi	20N31A04K9	Sutherland	3/19/2024
184	Siripuram Bhavana	20N31A04L0	Sutherland	3/19/2024
185	Vadthya Srikanth	20N31A04M5	Sutherland	3/19/2024
186	Valishetti Venkat Ramana	20N31A04M7	Sutherland	3/19/2024
187	Vedavalli Uday Kiran	20N31A04N4	Sutherland	3/19/2024
188	Beenaboina Navya	21N35A0403	Sutherland	3/19/2024
189	Chidem Anusha	21N35A0405	Sutherland	3/19/2024
190	Koppula Jyothi	21N35A0411	Sutherland	3/19/2024
191	Bachhu Rakshitha	20N31A0416	Tech Mahendra	2316555/ ELTP-CAMPUS / 2024, 02-06-2024
192	Jakkula Sanjay	20N31A0488	Tech Mahendra	994385/2316559/ELTP, 16-06-2024
193	Vadlamudi Naga Venkata Sai Pranay	20N31A04M4	Tech Mahendra	1013651/2316596/ELTP, 30-06-2024

S. No	Name of the Student	H.T. No	Name of the Employer	Appointment Letter Reference No. with date
		LIST OF PLACEMENTS FOR THE ACADEMIC YEAR:2022-23		
1	Aila Nikhil	19N31A0404	Accenture	Letter of Intent
2	Soumya Anasuri	19N31A0410	Accenture	Letter of Intent
3	Harishchandrareddy Badipehal	19N31A0421	Accenture	Letter of Intent
4	Surya Nagendra Chalamala	19N31A0436	Accenture	Letter of Intent
5	Chimmula Sindhu	19N31A0441	Accenture	Letter of Intent
6	Devulapalli Lavanya	19N31A0447	Accenture	Letter of Intent
7	Radhika Dosada	19N31A0452	Accenture	Letter of Intent
8	Yerragorla Pavan Kumar	19N31A0459	Accenture	Letter of Intent
9	Vamshiraj Endrapu	19N31A0461	Accenture	Letter of Intent
10	Manjunath Reddy Peddanagireddy Gari	19N31A0466	Accenture	Letter of Intent
11	Gajarla Manoj Kumar	19N31A0468	Accenture	Letter of Intent
12	Kabeer Gollapalli Shaik	19N31A0476	Accenture	Letter of Intent
13	Gummireddy Lokeshwar Reddy	19N31A0480	Accenture	Letter of Intent
14	Madhuri Madhuri Pawar	19N31A0491	Accenture	Letter of Intent
15	Kommu Shreya	19N31A0495	Accenture	Letter of Intent
16	Navya Konka	19N31A04B2	Accenture	Letter of Intent
17	Lavsetti Sai	19N31A04C3	Accenture	Letter of Intent
18	Rithika Mekala	19N31A04C5	Accenture	Letter of Intent
19	Manneti Barghavi	19N31A04D2	Accenture	Letter of Intent
20	Mekapothu Sravanthi	19N31A04D5	Accenture	Letter of Intent
21	Mulluri Mouna Mouna Sree	19N31A04H9	Accenture	Letter of Intent
22	Ragi Shree Shasheewardhan	19N31A04J2	Accenture	Letter of Intent
23	Rahul Muthyala	19N31A04J3	Accenture	Letter of Intent
24	Thummalapudi Tharun Sai	19N31A04M4	Accenture	Letter of Intent
25	Vanama Devandra Saibaba	19N31A04M9	Accenture	Letter of Intent
26	Vishal Thapa	19N31A04N2	Accenture	Letter of Intent

27	Vundrajavaram Jonah Emmanuel	19N31A04N4	Accenture	Letter of Intent
28	B Vaishnavi Bijju Vijay Kumar	20N35A0403	Accenture	Letter of Intent
29	Kurra Divya	20N35A0410	Accenture	Letter of Intent
30	Putta Anusha	20N35A0419	Accenture	Letter of Intent
31	Ramgalla Mounika Mounika	20N35A0420	Accenture	Letter of Intent
32	Mamidi Rahul	19N31A04B9	Accenture	Letter of Intent
33	Methari Jessica	19N31A04D6	Accenture	Letter of Intent
34	Pandi Kamuthurai M	19N31A04G2	Accenture	Letter of Intent
35	Anupati Sathwik Reddy	19N31A0403	Accenture	Letter of Intent
36	Angadi Tharun Kumar	19N31A0411	Accenture	Letter of Intent
37	Chakka Rakesh Kumar	19N31A0435	Accenture	Letter of Intent
38	Dharavath Saritha	19N31A0449	Accenture	Letter of Intent
39	Gangadari Ajay	19N31A0471	Accenture	Letter of Intent
40	Mohammad Sohail Siddiqui	20N35A0414	Accenture	Letter of Intent
41	Mohd Iliyas	19N31A04D8	Accenture	Letter of Intent
42	Paddam Sampath	19N31A04F2	Accenture	Letter of Intent
43	Sambari Vinay	19N31A04K2	Accenture	Letter of Intent
44	Matumari Vishnu Sai Goud	19N31A04P4	Accenture	Letter of Intent
45	Suprasen Kodida	19N31A04B0	CSS Corp	15-05-2023
46	Abin Thomas Antony	19N31A0405	DELOITTE-DAS	23-12-2022
47	Bantupalli Naga Lakshmi	19N31A0425	DXC	Letter of Intent/14-10-2022
48	Golla Sumanjali	19N31A0475	DXC	Letter of Intent/14-10-2022
49	Kakarla Bhavani Gowri Prasadhini	19N31A0497	DXC	Letter of Intent/14-10-2022
50	Kasarla Kruthi Reddy	19N31A04A5	DXC	Letter of Intent/14-10-2022
51	Vulichi Tejaswini	19N31A04B8	DXC	Letter of Intent/14-10-2022
52	Mamillapalli Lakshmi Hemanjali	19N31A04C7	DXC	Letter of Intent/14-10-2022
53	Mandha Kavya	19N31A04C9	DXC	Letter of Intent/14-10-2022
54	Mygapu Sowmya	19N31A04E3	DXC	Letter of Intent/14-10-2022
55	Nimma Ramya	19N31A04E9	DXC	Letter of Intent/14-10-2022
56	Nula Tejaswini	19N31A04F0	DXC	Letter of Intent/14-10-2022
57	Rachana Pasham	19N31A04F1	DXC	Letter of Intent/14-10-2022
58	Panja Likhitha	19N31A04G3	DXC	Letter of Intent/14-10-2022

59	Pasangulapati Pravallika	19N31A04G5	DXC	Letter of Intent/14-10-2022
60	Thimmanacheruvu Sindhu Reddy	19N31A04M3	DXC	Letter of Intent/14-10-2022
61	Varala Harshitha	19N31A04P6	DXC	Letter of Intent/14-10-2022
62	Chiluka Akanksha	20N35A0405	DXC	Letter of Intent/14-10-2022
63	Thoom Lava	20N35A0426	DXC	Letter of Intent/14-10-2022
64	Besta Shiva Kumar	19N31A0430	DXC	Letter of Intent/14-10-2022
65	D.Adithya Kowshik	19N31A0445	DXC	Letter of Intent/14-10-2022
66	B Manoj Kumar	20N35A0402	DXC	Letter of Intent/14-10-2022
67	Jillepalli Nagasatya Srinivas	19N31A0492	DXC	Letter of Intent/14-10-2022
68	Katakam Amarnath	19N31A04A6	DXC	Letter of Intent/14-10-2022
69	Kothapeta Venkata Sai Kishore	19N31A04B4	DXC	Letter of Intent/14-10-2022
70	Nunavath Anilnayak	20N35A0417	DXC	Letter of Intent/14-10-2022
71	R.Lakshmi Narasimha Naidu	19N31A04J1	DXC	Letter of Intent/14-10-2022
72	Sattu Naveen	19N31A04P2	DXC	Letter of Intent/14-10-2022
73	Vennamalla Dheeraj Babu	20N35A0427	DXC	Letter of Intent/14-10-2022
74	Leena Annepureddy	19N31A0413	Cognizant	Letter of Intent/25-11-2022
75	Anreddy Rishitha Reddy Reddy	19N31A0414	Cognizant	Letter of Intent/25-11-2022
76	Anugu Madhu	19N31A0415	Cognizant	Letter of Intent/25-11-2022
77	Balaji Malluru	19N31A0422	Cognizant	Letter of Intent/25-11-2022
78	Bathula Nikitha	19N31A0427	Cognizant	Letter of Intent/25-11-2022
79	Batthula Manusha	19N31A0428	Cognizant	Letter of Intent/25-11-2022
80	Chennupati Jahnavi	19N31A0439	Cognizant	Letter of Intent/25-11-2022
81	Chinthala Srinivas	19N31A0443	Cognizant	Letter of Intent/25-11-2022
82	Dewan Dinesh	19N31A0454	Cognizant	Letter of Intent/25-11-2022
83	Sahithi G	19N31A0464	Cognizant	Letter of Intent/25-11-2022
84	Galipelli Sai Krishna	19N31A0470	Cognizant	Letter of Intent/25-11-2022
85	Garlapati Meghana	19N31A0474	Cognizant	Letter of Intent/25-11-2022
86	Gottumukkula Lakshmi Bhavani	19N31A0477	Cognizant	Letter of Intent/25-11-2022
87	Gunda Yeshwanth	19N31A0483	Cognizant	Letter of Intent/25-11-2022
88	Jangili Shivani	19N31A0489	Cognizant	Letter of Intent/25-11-2022
89	K Shreya	19N31A0495	Cognizant	Letter of Intent/25-11-2022
90	Rahul Kante	19N31A04A1	Cognizant	Letter of Intent/25-11-2022
91	Katari Divya Bhanu	19N31A04A7	Cognizant	Letter of Intent/25-11-2022

92	Kurapati Purandeswar Raju	19N31A04C0	Cognizant	Letter of Intent/25-11-2022
93	Chandana Kunkudupala	19N31A04C1	Cognizant	Letter of Intent/25-11-2022
94	M Manikanta Nithin	19N31A04C4	Cognizant	Letter of Intent/25-11-2022
95	Bhavana Maddineni	19N31A04C6	Cognizant	Letter of Intent/25-11-2022
96	Mandlem Veera Naga Sai Sathyadeep	19N31A04D0	Cognizant	Letter of Intent/25-11-2022
97	Maripeddi Pruthvika Reddy	19N31A04D3	Cognizant	Letter of Intent/25-11-2022
98	Muchenthula Madhunikar Reddy	19N31A04D9	Cognizant	Letter of Intent/25-11-2022
99	Mahesh Babu Pallapu	19N31A04F9	Cognizant	Letter of Intent/25-11-2022
100	Peddireddy Himavanth Reddy	19N31A04G9	Cognizant	Letter of Intent/25-11-2022
101	Polu Kamal Sai	19N31A04H1	Cognizant	Letter of Intent/25-11-2022
102	Pothireddy Raja Sekhara Reddy	19N31A04H3	Cognizant	Letter of Intent/25-11-2022
103	Bhargav Sai Putnala	19N31A04H7	Cognizant	Letter of Intent/25-11-2022
104	Rajuri Sai Charan	19N31A04J4	Cognizant	Letter of Intent/25-11-2022
105	Rathod Nagesh	19N31A04J6	Cognizant	Letter of Intent/25-11-2022
106	S Anusurya	19N31A04J8	Cognizant	Letter of Intent/25-11-2022
107	Sambu Sai Neha	19N31A04K3	Cognizant	Letter of Intent/25-11-2022
108	Sandeep Yadav Gorla	19N31A04K4	Cognizant	Letter of Intent/25-11-2022
109	Salman Shaik	19N31A04K8	Cognizant	Letter of Intent/25-11-2022
110	Singam Manju Sree	19N31A04L1	Cognizant	Letter of Intent/25-11-2022
111	Saikumar Siriseti	19N31A04L4	Cognizant	Letter of Intent/25-11-2022
112	Shaik Shireen Kausar	19N31A04L5	Cognizant	Letter of Intent/25-11-2022
113	Surya Prabhat Peddinti	19N31A04L8	Cognizant	Letter of Intent/25-11-2022
114	Swain Pulak Ranjan	19N31A04L9	Cognizant	Letter of Intent/25-11-2022
115	Thakur Rohith Singh	19N31A04M2	Cognizant	Letter of Intent/25-11-2022
116	Venkat Sai Durga Revanth Yerramothu	19N31A04N6	Cognizant	Letter of Intent/25-11-2022
117	Putta Manasa	19N31A04N8	Cognizant	Letter of Intent/25-11-2022
118	Narra Akhil	19N31A04P1	Cognizant	Letter of Intent/25-11-2022
119	Annavarapu Poojitha	20N35A0401	Cognizant	Letter of Intent/25-11-2022
120	Ramya Garapati	20N35A0406	Cognizant	Letter of Intent/25-11-2022
121	Koppu Goutham Kumar	20N35A0408	Cognizant	Letter of Intent/25-11-2022
122	Ramravini Laxmi Pavani	20N35A0421	Cognizant	Letter of Intent/25-11-2022

123	Gummadelli Yashwanth	19N31A0479	Cognizant	Letter of Intent/25-11-2022
124	Badam Ramanjaneya Reddy	19N31A04P3	Cognizant	Letter of Intent/25-11-2022
125	KARSHA PRANAVI	19N31A04A4	Cognizant	Letter of Intent/25-11-2022
126	Katyala Harish	19N31A04A8	Cognizant	Letter of Intent/25-11-2022
127	Matham Vineeth	19N31A04D4	Cognizant	Letter of Intent/25-11-2022
128	Shetty Rishitha	19N31A04H8	Cognizant	Letter of Intent/25-11-2022
129	Bavulapalli Sivagopi	19N31A04J7	Cognizant	Letter of Intent/25-11-2022
130	Jadav Maruthi	19N31A0488	Cognizant	Letter of Intent/25-11-2022
131	K R S Megana	19N31A0493	Cognizant	Letter of Intent/25-11-2022
132	Raju Lanka	19N31A04C2	Cognizant	Letter of Intent/25-11-2022
133	NEERADI CHANDRA SAGAR	19N31A04E6	HCL	08-12-2022
134	Kunchala Radhakrishna	19N31A04B7	IBM CODEKNACK	26-12-2022
135	Vedala Jayanth	19N31A04N1	IBM CODEKNACK	26-12-2022
136	Manda Sunny Goud	19N31A04C8	PROLIFICS	26-07-2023
137	Mukkisa Vandhana Reddy	19N31A04E0	PROLIFICS	26-07-2024
138	Shine Shafi	19N31A04P5	PROLIFICS	26-07-2025
139	Bamer Anil	19N31A0423	PruTech Solutions	F20230009/MAR
140	Sagili Sudheer Kumar Reddy	19N31A04K0	PruTech Solutions	F20230006/MAR
141	Danthala Kiran Kumar	19N31A0446	TCS NINZA	TCSL/DT20223094923/Hyderabad
142	Konduru Jaswanth Sai	19N31A04B1	TCS NINZA	TCSL/DT20223276431/Hyderabad
143	Padullaparthi Kushal Swarup	19N31A04F4	TCS NINZA	TCSL/DT20223130879/Hyderabad
144	Rathod Nagesh	19N31A04J6	TCS NINZA	TCSL/DT20223130879/Hyderabad
145	Vanam Naga Harshitha	19N31A04M8	TCS NINZA	TCSL/DT20206942598/Hyderabad
146	M Rithwik	20N35A0415	TCS NINZA	TCSL/DT20223130879/Hyderabad
147	Gundeti Manasa	19N31A0482	TCS NINZA	TCSL/DT20223130879/Hyderabad
148	K Ravi Teja	19N31A0494	TCS NINZA	TCSL/DT20223130879/Hyderabad
149	Paladugu Madhuri	19N31A04F6	TCS NINZA	TCSL/DT20223130879/Hyderabad
150	Sadhu Madhan Kumar	19N31A04J9	TCS NINZA	TCSL/DT20223130879/Hyderabad
151	Benjaram Navya	19N31A0429	Tech Mahindra	2174318 / ELTP-CAMPUS / 2023
152	Bolloju Pavan Kumar	19N31A0433	Tech Mahindra	2174319 / ELTP-CAMPUS / 2023

153	Karnati Venkata Chandramoulieswar Reddy	19N31A04A3	Tech Mahindra	2174320 / ELTP-CAMPUS / 2023
154	Chinthala Akhil	19N31A0442	Tech Mahindra	2174321 / ELTP-CAMPUS / 2023
155	G Hari Krishna	19N31A0463	Tech Mahindra	2174322 / ELTP-CAMPUS / 2023
156	Kethavarapu Vinay	19N31A04A9	Tech Mahindra	2174323 / ELTP-CAMPUS / 2023
157	Kurma Ramesh	20N35A0409	Tech Mahindra	2174324 / ELTP-CAMPUS / 2023
158	Medisheety Narender Kumar	20N35A0413	Tech Mahindra	2174327 / ELTP-CAMPUS / 2023
159	Pallamkurthi Kannavva Swamy	19N31A04F8	Tech Mahindra	2174325 / ELTP-CAMPUS / 2023
160	Padma Chandana	20N35A0418	Tech Mahindra	21743217 / ELTP-CAMPUS / 2023
161	Tejawath Durga Prasad	19N31A04M1	Tech Mahindra	2174316 / ELTP-CAMPUS / 2023
162	Vallagi Ajay	19N31A04M7	Tech Mahindra	2174326 / ELTP-CAMPUS / 2023
163	Atla Reddy Arun Kumar Reddy	19N31A0419	Value Momentum	03-10-2022
164	Ellanki Aarthi Reddy	19N31A0456	Value Momentum	03-10-2022
165	Gangwar Rohit Reddy	19N31A0472	Value Momentum	03-10-2022
166	Nethavath Srikanth	19N31A04E8	Value Momentum	03-10-2022
167	Patan Harshad	19N31A04G6	Value Momentum	03-10-2022
168	Adluri Saikrishna	19N31A0408	Value Momentum	03-10-2022
169	Avanthika Gajwari	19N31A0469	Value Momentum	03-10-2022
170	Suggala Manasa	19N31A04L7	Value Momentum	03-10-2022
171	Bandari Arunkumar	20N35A0404	Value Momentum	03-10-2022
172	G Akhil	19N31A0462	Value Momentum	03-10-2022
173	Gabbeta Anvesh	19N31A0465	Value Momentum	03-10-2022
174	Gundekarla Ganesh	19N31A0481	Value Momentum	03-10-2022
175	Kommu Sai Ram	19N31A0496	Value Momentum	03-10-2022
176	Karam Srinivas	19N31A04A2	Value Momentum	03-10-2022
177	Kuchana Jahnavi	19N31A04B5	Value Momentum	03-10-2022
178	Vaddi Bhargav	19N31A04M5	Value Momentum	03-10-2022
179	A.Mallika	19N31A0401	Value Momentum	03-10-2022
180	Ch.Saritha	19N31A0434	Value Momentum	03-10-2022
181	Rakesh Chowdhary	19N31A0458	Value Momentum	03-10-2022
182	Hanumanthu Megha Shyam Dora	19N31A0484	Value Momentum	03-10-2022
183	Konduru Jaswanth Sai	19N31A04B1	Value Momentum	03-10-2022
184	Barghavi Manneti	19N31A04D2	Value Momentum	03-10-2022
185	Kasturi Gayatri	19N31A04P7	Value Momentum	03-10-2022
186	Narmeta Praveen	20N35A0416	Value Momentum	03-10-2022

187	Vanama Sai Chandra	19N31A0457	Value Momentum	03-10-2022
188	Kakarla Sunil Kumar	19N31A0498	Value Momentum	03-10-2022
189	Kamuni Santhosh	19N31A0499	Value Momentum	03-10-2022
190	Mohammad Sohail	19N31A04D7	Value Momentum	03-10-2022
191	Nalla Sandeep	19N31A04E5	Value Momentum	03-10-2022
192	Palepu Gopishwar Sharma	19N31A04F7	Value Momentum	03-10-2022
193	Polneni Rahul Sai	19N31A04H0	Value Momentum	03-10-2022
194	Potnuri Satya Narayana	19N31A04H4	Value Momentum	03-10-2022
195	Souram Sandeep	19N31A04L6	Value Momentum	03-10-2022
196	Abhishek Paul	19N31A0407	Value Momentum	03-10-2022
197	Arram Vamshi Krishna Reddy	19N31A0417	Value Momentum	03-10-2022
198	Chinthireddy Prashanth Reddy	19N31A0444	Value Momentum	03-10-2022
199	Durgammakadi Aakanksha	19N31A0453	Value Momentum	03-10-2022
200	Kokkonda Veera Vasanth	20N35A0407	Value Momentum	03-10-2022
201	Gare Manoj Kumar	19N31A0473	Value Momentum	03-10-2022
202	Kandholla Manikanta Sai	19N31A04A0	Value Momentum	03-10-2022
203	Mandumula Shiva Sai	20N35A0412	Value Momentum	03-10-2022
204	Muthyala Kaveri	19N31A04E1	Value Momentum	03-10-2022
205	Shaik Abdul Rehaman	19N31A04K5	Value Momentum	03-10-2022
206	Vanapalli Madan Mohan	19N31A04N0	Sutherland	20-12-2022

9.6 Entrepreneurship Cell   Total Marks 5.00

Institute Marks : 5.00

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 the All 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 of 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 need.
❖ 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.

EDC/IIPC -Helping Hand to Student Incubation Centers

College initiates and provides office space & equipment, technology support and seed capital to nurture the upcoming entrepreneurial talents. Thus making it more robust and approachable for the individual who has high entrepreneur ambition.

Mentoring

College has dedicated Technical & Business Development mentors to assist students who are coming with the business ideas and to provide entrepreneurship training. The guidance given by mentors plays vital role to start a new venture.

Associations

College has industry associations giving one on one professional network and self-employment tips to establish as successful entrepreneurs. The professional bodies will surely trigger confidence among students to take individual decision and to start their business plans.

EDC/IIPC- Career Outcomes Small business owner/operator Entrepreneur
Business analyst Intrapreneur

List of IIC Activities

2024-25

S. No.	Date	Name of the activity	No. of Participants
1	02/11/24-03/11/24	Idea and showcase	240
2	02/08/24	Expert talk on Mentorship Support	164

2023-24

S. No.	Date	Name of the activity	No. of Participants
1	03/05/24	Workshop on Prototype/Process Design and Development	48
2	13/02/24	Session on Problem-Solution Fit and Product-Market Fit	70

2022-2023

S. No.	Date	Name of the activity	No. of Participants
1	24/01/23	Achieving Problem-solution fit and Market-product fit	68

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.

The following fields are identified by the students for the functioning of incubation centre
• Business Development Area in making videogames etc.
• Engineering tool development area
• Small scale industries
• Software Consultancy area

Industry and University Collaborations:
- Indian Institute of Hardware Technology Limited, Bangalore.
- Northern Arizona University, Flagstaff, USA
- Rofous Software Pvt.Ltd, Hyderabad.
- Data Point Info Solutions Pvt. Ltd., Hyderabad.
- Advanced Centre for Atmospheric Sciences, S.V.University, Tirupathi (Sponsored by ISRO, Govt. of India.)
- BARC Training School, NFC, Government of India, Hyderabad.
- National Aerospace Laboratories, Government of India, Bangalore.
- Serveen Software Systems, Hyderabad.
- University of Texas at Tyler, USA
- ESOL Examinations (BEC) University of Cambridge, UK.
- Recognized as a Nodal Center for Conducting Faculty Development Programs by IIT – Bombay.
- TCS Academic Interface Programme Centre
- IBM Centre for Excellence
- Lincoln University College, Kaulalumpur, Malaysia
- University of Sarawak, Malaysia (UNIMAS)
- University of New Orleans, USA

List of MOUs:

❖ City of Glasgow College, UK.
❖ Northern Arizona University, USA.
❖ ECPI University, USA.
❖ University of Highlands & Islands, Scottland,UK.
❖ Indian Institute of Hardware Technology Ltd.
❖ BARC Training School, NFC.
❖ Advanced Center for Atmospheric Science, SV University.
❖ National Aerospace Laboratories.
❖ Aeronautical Society of India.
❖ Embedded RF Systems Pvt.Ltd.,, Hyderabad.
❖ Precise In Pvt. Ltd., Hyderabad.
❖ Serveen Software Systems, Hyderabad.
❖ National Institute of Amateur Radio, Hyderabad
❖ National Remote Sensing Centre (NRSC), Hyderabad.
❖ Robotspace Automation Pvt. Ltd., Hyderabad.

STARTUPS BY MRCET-ECE STUDENTS

Company Registered Name: TRACKION LIGHT8 TECHNOLOGIES PVT.LTD
Office Address: TRACKION LIGHT8 TECHNOLOGIES PRIVATE LIMITED, Maisammaguda, Dulapally, Via Hakeempet, Secunderabad, Tirumalagiri, Hyderabad - 500014,
Telangana sate, INDIA.
Company Corporate ID No: U26103TS2023PTC179397.
Company PAN: AAKCT5885D
Company TAN: HYDT14372B

Trackion is a Semiconductor based company specializing in Internet of Things (IoT) technology. We develop IoT Pixels, small, battery-free tags that harvest energy from radio frequencies to provide real-time data about objects conditions and locations. Their Ambient Intelligence Platform integrates with existing Bluetooth devices, enabling businesses to monitor inventory, reduce waste, and enhance supply chain transparency. Trackion's technology is particularly impactful in sectors like Consumer Packaged Goods (CPG), facilitating better tracking and management of products throughout their lifecycle.

We have trained and incubated in AIC-SKU under the guidance of ECE Department of MRCET-TBI.

TEAM DETAILS:

S. No	NAME of CANDIDATE	BOD	DESIGNATION	PAN/DIN	COLLEGE ROLL NO
1	D.SUBHANAND	YES	CEO	10406479	22N35A0411
2	V.SRI HARI SARMA	YES	CTO	10406480	22N35A0426
3	H. ADARSH	YES	COO	10406478	22N35A0413
4	G. GANESH	NO	CFO		22N35A0412
5	P. SAI LOKESH	NO	CMO		21N31A04H1

OUR PRODUCTS

2. Company Registered Name: HARVEST HUB
Service provided: Website Development

The problem addressed is the difficulty faced by farmers in a 50 to 60 km radius in selling their products at fair prices due to limited market access and information gaps. The solution is to create a platform connecting farmers directly with buyers in the region to enable transparent negotiations and enhance profitability.
We have attended VANTHENA 7.O Pre - Incubation Program in SKU University, Anantapur.

TEAM DETAILS

S. No	Name of Candidate	Designation	College Roll No
1	N. Nikhil Ram Mahendra	Founder	22N31A0485
2	M. Mohan Krishna	Co-Founder	22N31A0481

9.7 Co-curricular and Extra-curricular Activities   Total Marks 10.00

Institute Marks : 10.00

The College views extracurricular and co-curricular activities as integral to the holistic development of students. Opportunities are identified, created and opened to promote student participation in them. Financial support as well as training and development support are provided by the institution appropriately.

The college helps the students in these activities in the following ways.

1. Additional academic support and flexibility in examination times are provided.

2. Students are informed of Special dietary requirements, provided with sports uniform, necessary materials and other relevant information

3. Students organize three days National Techno Cultural fest , Arts day, Ethnic day, College day, Engineers day, Teachers day, Onam and Christmas celebrations.

4. Department organizing seminars / workshops / invited talks from industry/inter college and intra college technical and cultural fest. Student chapters of various professional societies such as IEEE, CSI etc. function in the college.

5. With a view to honing the technical and cultural skills and talents of students, and to promote their aptitude for research and extension, the college offers both technical as well as non-technical clubs.

6. Students are given duty leave to participate in technical and cultural activities organized by the university or any other college.

7. For those who win the competition have been awarded the grace marks along with the internal marks.

CO-CURRICULAR ACTIVITIES

S.NO	Name of the Activity/workshop	Nameof the Student	Award received	Event Venue	Dateof event
	MALLAREDDYCOLLEGEOFENGINEERINGANDTECHNOLOGY				
	ELECTRONICS&COMMUNICATIONENGINEERING				
	StudentAchievements-2024 - 2025				
1	Technicalquiz	M.SRIHITHATHA	Participation	MRITS	18-19Mar2024
2	Technicalquiz	TATA SRAVANI	Participation	MRITS	18-19 Mar2024
3	Technicalquiz	M.POOJOTHA	Participation	MRITS	18-19 Mar2024
4	Technicalquiz	M.USHA KIRAN	Participation	MRITS	18-19 Mar2024
5	Technicalquiz	GOPALDAS SRAVANI	Participation	MRITS	18-19 Mar2024
6	Technicalquiz	VANIMIREDDY DHANYA	Participation	MRITS	18-19 Mar2024
7	Technicalquiz	P.SWATHI	Participation	MRITS	18-19 Mar2024
8	Technicalquiz	SADWIKA SRI BODDUPALLY	Participation	MRITS	18-19 Mar2024
9	Paper Presentation	VANGAVEETI KAVYA SREE	Participation	MRECW	15-16April2024
10	Paper Presentation	SHETTY NIHARIKA	Participation	MRECW	15-16 April2024
11	Paper Presentation	BHAVANA SIRIPURAM	Participation	MRECW	15-16 April2024
12	Paper Presentation	KOTIPILLI CHARITHA	Participation	MRECW	15-16 April2024
13	Paper Presentation	R. SAI SRUTHI	Participation	MRECW	15-16 April2024
14	Paper Presentation	G. SUMANTH REDDY -	Participation	MRECW	15-16 April2024
15	Paper Presentation	ABHISHEK KUNCHAR	Participation	MRECW	15-16 April2024
16	Paper Presentation	RAJU G	Participation	MRECW	15-16 April2024
17	Paper Presentation	USHASRI	Participation	MRECW	15-16 April2024
18	Paper Presentation	KRANTHI G	Participation	MRECW	15-16 April2024
27	Mock interview	SARGAM RITESH	Participation	MRECW	27-28Aug2024
28	Mockinteview	SRINIVASSARKAR	Participation	MRECW	27-28Aug2024
29	Mockinteview	SARASAIKIRAN	Participation	MRECW	27-28Aug2024
30	Mockinteview	VEERABHATHININIKHIL	Participation	MRECW	27-28Aug2024
31	Mockinteview	N.VAISHNAVI	Participation	MRECW	27-28Aug2024
32	Mockinteview	I.HARISH	Participation	MRECW	27-28Aug2024
33	Mockinteview	M.NIHARIKA	Participation	MRECW	27-28Aug2024
34	Mockinteview	K.SAITEJA	Participation	MRECW	27-28Aug2024
35	Mockinteview	P.SAI ESHWAR	Participation	MRECW	27-28Aug2024

36	Mockinteview	P.LOKESHWARAREDDY	Participation	MRECW	27-28Aug2024
37	Mockinteview	T.HARSHINI	Participation	MRECW	27-28Aug2024
38	Poster Presentation	JAYANTH	Participation	VNRVJIET	25-26Sep2024
39	Poster Presentation	M.YAMINI	Participation	VNRVJIET	25-26Sep2024
40	Poster Presentation	K.RAVINDER	Participation	VNRVJIET	25-26Sep2024
41	Poster Presentation	K.VAMSHI	Participation	VNRVJIET	25-26Sep2024
42	Poster Presentation	M.VISHNUCHARAN	Participation	VNRVJIET	25-26Sep2024
43	Poster Presentation	MAMINDLAPRANAY	Participation	VNRVJIET	25-26Sep2024
44	Poster Presentation	M.SATYAASHISH	Participation	VNRVJIET	25-26Sep2024
45	Poster Presentation	M.SARATHCHANDRAREDDY	Participation	VNRVJIET	25-26Sep2024
46	Poster Presentation	K.KARTHIK	Participation	VNRVJIET	25-26Sep2024
47	Poster Presentation	PRANAYPYAGA	Participation	VNRVJIET	25-26Sep2024
48	Poster Presentation	NEERAJKASULA	Participation	NREC	25-26Sep2024
49	Poster Presentation	KATTELASHREYA	Participation	NREC	25-26Sep2024
50	Poster Presentation	TIRUMALASAINITHIN	Participation	NREC	25-26Sep2024
51	AV Making	MARAMAJAY	Participation	NREC	25-26Oct2024
52	AV Making	R.MANIRAJ	Participation	NREC	25-26Oct2024
53	AV Making	M.ESHWAR	Participation	NREC	25-26Oct2024
54	AV Making	N.MANIVARDHAN	Participation	NREC	25-26Oct2024
55	AV Making	M AJAY	Participation	NREC	25-26Oct2024
56	AV Making	B.MANIRAJ	Participation	NREC	25-26Oct2024
57	AV Making	E.ESHWAR	Participation	NREC	25-26Oct2024
58	AV Making	JAKKULASANJAY	Participation	NREC	25-26Oct2024
59	AV Making	J SRAVAN	Participation	NREC	25-26Oct2024
60	AV Making	KRAJA VARDHAN	Participation	NREC	25-26Oct2024
61	AV Making	K VINAY	Participation	NREC	25-26Oct2024
62	AV Making	BHAGAVATHI	Participation	NREC	25-26Oct2024
63	AV Making	SUSHMA	Participation	NREC	25-26Oct2024
64	AV Making	KOUSHIK	Participation	NREC	25-26Oct2024
65	Chess O Mania	RAMIREDDY	Participation	Govt.of India	19-20Nov2024
66	Chess O Mania	ADHITYAVARMA	Participation	Govt.of India	19-20Nov2024
67	Chess O Mania	VINITH	Participation	Govt.of India	19-20Nov2024
68	Chess O Mania	GAJENDER	Participation	Govt.of India	19-20Nov2024
69	Chess O Mania	SWATHI RAMASAMY	Participation	Govt.of India	19-20Nov2024
70	Chess O Mania	MEGHANA	Participation	Govt.of India	19-20Nov2024
71	Chess O Mania	JYOTHSNA	Participation	Govt.of India	19-20Nov2024
72	Chess O Mania	SHIVANI	Participation	Govt.of India	19-20Nov2024
73	Chess O Mania	SAKETH	Participation	Govt.of India	19-20Nov2024
74	Chess O Mania	SRAVANTHI	Participation	Govt.of India	19-20Nov2024
75	Chess O Mania	N.HEMANTH	Participation	Govt.of India	19-20Nov2024
76	Chess O Mania	JSANKEERTHREDDY	Participation	Govt.of India	19-20Nov2024
77	Chess O Mania	DROHITH	Participation	Govt.of India	19-20Nov2024
78	Chess O Mania	SAIVASTAVA	Participation	Govt.of India	19-20Nov2024
79	Chess O Mania	AARAVIND KUMAR	Participation	Govt.of India	19-20Nov2024

MALLAREDDYCOLLEGEOFENGINEERINGANDTECHNOLOGY
ELECTRONICS&COMMUNICATIONENGINEERING
StudentAchievements-2023-2024
S.NO.	**Name of the Activity/workshop**	**Nameofthe Student**	**Award received**	**Event Venue**	**Dateof event**
1	Paper Presentation	ARATI GOUTHAM REDDY	Participation	VNRVJIET	17-18Mar2023
2	Paper Presentation	ARROLLA ROHITH	Participation	VNRVJIET	17-18 Mar 2023
3	Paper Presentation	AYITHAGONI GANESH	Participation	VNRVJIET	17-18 Mar 2023
4	Paper Presentation	AYUSHREE YATTA	Participation	VNRVJIET	17-18 Mar 2023
5	Paper Presentation	DAYYA BHAVANA	Participation	VNRVJIET	17-18 Mar 2023
6	Paper Presentation	EJJAGIRI SAI JAGRUTHI	Participation	VNRVJIET	17-18 Mar 2023
7	SystemCraft	GANDHAM SRAVANTHI	Participation	VNRVJIET	17-18 Mar 2023
8	SystemCraft	GANTALA VIJAYA MOUNIKA	Participation	VNRVJIET	17-18 Mar 2023
9	SystemCraft	GARAPATI VISWA TANUJ	Participation	VNRVJIET	17-18 Mar 2023
10	SystemCraft	GATTIGORLA JAYA SRI	Participation	VNRVJIET	17-18 Mar 2023
11	SystemCraft	GATTU MALLIKARJUN	Participation	VNRVJIET	17-18 Mar 2023
12	SystemCraft	GHONGADE VAIBHAVI SOPAN	Participation	VNRVJIET	17-18 Mar 2023
13	SystemCraft	GINJALA SAI MEGHANA	Participation	VNRVJIET	17-18 Mar 2023
14	SystemCraft	GOPAGANI SHASHIKUMAR	Participation	VNRVJIET	17-18 Mar 2023
15	SystemCraft	GORANTALA SUMANTH	Participation	VNRVJIET	17-18 Mar 2023
16	SystemCraft	JALLELLA KALYANI	Participation	VNRVJIET	17-18 Mar 2023
17	SystemCraft	MOHAMMED ADNAN	Participation	VNRVJIET	17-18 Mar 2023
18	SystemCraft	MOHAN KRISHNA MULINTI	Participation	VNRVJIET	17-18 Mar 2023

19	Matha Mania	MUDIMELAPU VENKATA ADI REDDY	Participation	VNRVJIET	25-26April2023
20	Matha Mania	NARALA PRANAV KUMAR	Participation	VNRVJIET	25-26 April 2023
21	Matha Mania	VANKUDOTH YAKANNA	Participation	VNRVJIET	25-26 April 2023
22	Matha Mania	VASAMSETTI NAVYA SREE	Participation	VNRVJIET	25-26 April 2023
23	Matha Mania	VEGESINA JAI PRAKASH	Participation	VNRVJIET	25-26 April 2023
24	Matha Mania	SHAIK MOSIN	Participation	VNRVJIET	25-26 April 2023
25	Matha Mania	T ACHYUTH	Participation	VNRVJIET	25-26 April 2023
26	Matha Mania	T ADHIKESHAVA REDDY	Participation	VNRVJIET	25-26 April 2023
27	Matha Mania	TALARI VENU	Participation	VNRVJIET	25-26 April 2023
28	Ethical Hacking Workshop	THOTA SIDARDHA	Participation	MRCE	24-25Aug2023
29	EthicalHacking Workshop	VURA YOGANANDA REDDY	Participation	MRCE	24-25Aug2023
30	EthicalHacking Workshop	YANDRAPU JOSHNA	Participation	MRCE	24-25Aug2023
31	EthicalHacking Workshop	YERRAM PRASHANTH REDDY	Participation	MRCE	24-25Aug2023
32	EthicalHacking Workshop	GADDE BHAVANA	Participation	MRCE	24-25Aug2023
33	EthicalHacking Workshop	KALLEVARAPU MEAGHAN JOSEPH	Participation	MRCE	24-25Aug2023
34	EthicalHacking Workshop	MAREPU VISHNUVARDHAN CHARY	Participation	MRCE	24-25Aug2023
35	EthicalHacking Workshop	MD NASREEN	Participation	MRCE	24-25Aug2023
36	EthicalHacking Workshop	METHUKULA LOHIT	Participation	MRCE	24-25Aug2023
37	EthicalHacking Workshop	BATHINI NITHIN KUMAR	Participation	MRCE	24-25Aug2023
38	Artificial placements	BATTHULA HARI CHARAN	Participation	MRITS	14-15Sep2023
39	Artificial placements	BATTULA MANI PRASAD	Participation	MRITS	14-15Sep2023
40	Artificial placements	BENDE RASAGNYA	Participation	MRITS	14-15Sep2023
41	Artificial placements	BHUKYA PRAVEEN	Participation	MRITS	14-15Sep2023

42	Artificial placements	K PARTHA SARATHI KALYAN	Participation	MRITS	14-15Sep2023
43	Artificial placements	AKULA SANJAY	Participation	MRITS	14-15Sep2023
44	Artificial placements	ALWALA VISHWANATH REDDY	Participation	MRITS	14-15Sep2023
45	Artificial placements	ARROJU NIKHIL VEDAMSH	Participation	MRITS	14-15Sep2023

S.NO.	Name of the Activity	Name of the Student	Award received	Event Venue	Date of event
	MALLAREDDYCOLLEGEOFENGINEERINGANDTECHNOLOGY				
	ELECTRONICS&COMMUNICATIONENGINEERING				
	StudentAchievements-2022-2023				
1	Paper Presentation	ALETI DINESH REDDY	Participation	VNRVJIET	22-23Mar2022
2	Paper Presentation	VADLAKONDA VIKKY	Participation	VNRVJIET	22-23 Mar2022
3	Paper Presentation	ANNARAPU KARTHIK	Participation	VNRVJIET	22-23 Mar2022
4	Paper Presentation	ARSHANAPALLI RAHUL	Participation	VNRVJIET	22-23 Mar2022
5	Paper Presentation	AVILAPAKA SRIDIVYA	1st Prize	VNRVJIET	22-23 Mar2022
6	Paper Presentation	BADITHALA REVANTH	Participation	VNRVJIET	22-23 Mar2022
7	Paper Presentation	BAGGU SYAMALA	Participation	VNRVJIET	22-23 Mar2022
8	Paper Presentation	BALABOINA RAMYASRI	Participation	VNRVJIET	22-23 Mar2022
9	Paper Presentation	BANOTH MAHESH	Participation	VNRVJIET	22-23 Mar2022
10	Paper Presentation	MAMILLA SAI THARUN	Participation	VNRVJIET	22-23 Mar2022
11	Paper Presentation	MAMINDLA MEGHANA	Participation	VNRVJIET	22-23 Mar2022
12	Paper Presentation	MANDA ARVIND	Participation	VNRVJIET	22-23 Mar2022
13	Paper Presentation	MANDA PRAMOD	Participation	VNRVJIET	22-23 Mar2022
14	Paper Presentation	MARAM LOKESH KUMAR	Participation	VNRVJIET	22-23 Mar2022
15	Paper Presentation	BALLI PRINCE PHILOMON	Participation	VNRVJIET	22-23 Mar2022
16	E-Quiz	CHANDIKA LASYA	1st Prize	MREC	23-24Aug2022
17	E-Quiz	CHEPYALA VIVEKANANDA REDDY	Participation	MREC	23-24Aug2022
18	E-Quiz	CHINDAM PAVANI	Participation	MREC	23-24Aug2022

Activate Windows

EXTRA CURRICULAR ACTIVITIES

Apart from academic achievements we take pride in our students achievements in sports activities. Our students have been the Winner Zonal & Central Zone in Foot Ball matches. Our students have also won the Runner of in Zonal Volley Ball Matches. We are also proud that MRCET students are selected in the JNTU University Sports teams. The following are the students who are selected for different games:

SPORTS ACHIEVEMENTS 2024-25

SPORTS BLITZ 2K24

S. No.	Event	Award
1	VOLLEY BALL (M)	WINNER
2	CRICKET(M)	WINNER

JNTU SELECTED CANDIDATES: 2023 - 24

S. NO	NAME OF THE STUDENT	EVENT	BRANCH YEAR	VENUE	AWARDS
1	B.VINAY REDDY	BASEBALL	ECE-3 YEAR	THE ROYAL UNIVERSITY ASSAM	PARTICIPATION
2	CH.ANUSHA	HANDBALL	ECE-4 YEAR	PERIYAR UNIVERSITY SELEM	PARTICIPATION
3	MD.JAVVED	SOFTBALL	ECE-3 YEAR	PUNJAB UNIVERSITY	PARTICIPATION

Name: B. Vinay Reddy

Roll No.: 21N31A0430

Event: Base Ball

Participation: All India University level at the Royal University

SPORTS ACHIEVEMENTS 2023-24

S. NO	EVENT	VENUVE	NAME OF THE TOURNAMENT	AWARDS
1.	VOLLEY BALL (M)	JNTUH	VICE CHANCELLOR TROPHY	THIRD PLACE
2.	VOLLEY BALL (M)	ANURAG UNIVERSITY	SPORTS BOUT 11.0	RUNNERS
3.	VOLLEY BALL(W)	HITAM ENGNEERING COLLEGE	SPORTS FEST	WINNERS
4.	VOLLEY BALL(W)	TECH MAHINDRA UNIVERSITY	INTER UNIVERSITY SPORTS FEST	THIRD PLACE
5.	VOLLEY BALL(W)	CVRCOLLEGE OF ENGINEERING COLLEGE	STATE LEVEL (EPL)-6	THIRD PLACE

6.	KABADDI(W)	VNRVJIT	SPORTS FEST	WINNERS
7.	KABADDI MENS	HITAM	SPORTS FEST	RUNNERS
8.	BASKET BALL	HYDERABAD	KTR TROPHY	WINNERS
9.	CRICKET MENS	MALLAREDDY UNIVERSITY	SPORTS FEST	RUNNERS
10.	KABADDI MENS	MALLA REDDY UNIVERSITY	SPORTS FEST	RUNNERS
11.	VOLLEY BALL (W)	BVRIT	MEMORIAL STATE LEVEL TOURNAMENT	THIRD PLACE

VOLLEY BALL WOMEN WINNERS

STATE LEVEL TOUNAMENT HELD AT HITAM ENG COLLEGE

KABADDI MENS RUNNERS

UNIVERSITY LEVEL TOUNAMENT HELD AT MALLAREDDY UNIVERSITY

KADADDI WOMENS WINNERS

STATE LEVEL TOUNAMENT HELD AT VNR VJIT

VOLLEY BALL MEN RUNNER UP

STATE LEVEL TOURNAMNET HELD AT ANURAG

UNIVERSITY

VOLLEY BALL JNTU VICE CHANCELLOR TROPHY

UNIVERSITY LEVEL TOURNAMENT 3ʳᵈ PLACE HELD AT JNTUH

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

INSTITUTION 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

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.

Investing in libraries:

Libraries have adequate titles of books with sufficient volumes, study materials, and reference materials, as well as well-sectioned study areas.

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	GYMNASIUM	1
2	TABLE TENNIS	4
3	CHESS	20
4	CARROMS	10

Prioritize sanitation and hygiene:

Institute implements WHO-recommended standards for sanitation and hygiene facilities. RO Filter Plant is installed in the institution and provides filter water to the students and staff.
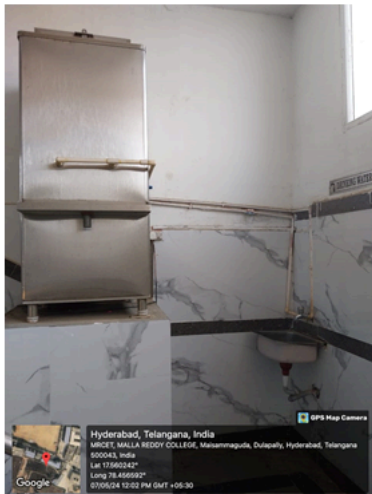
Implementation of safety measures:

Institute follows fire safety precautions with required fire safety equipment and emergency exits. Fire Safety Certificate issued by the 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.

SLNo	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.
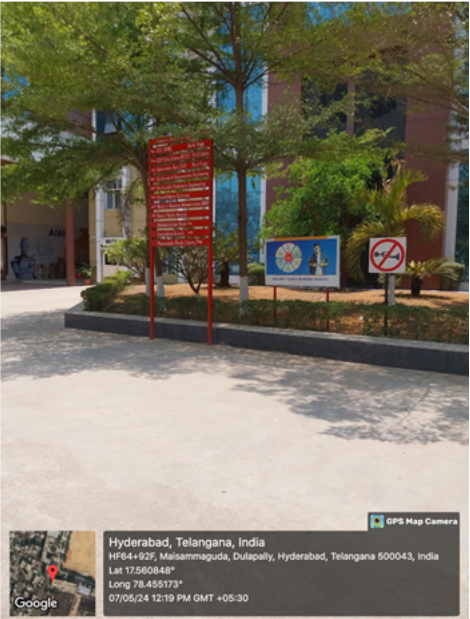
Separate academic blocks for each department and administration

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.

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.

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.

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.

ising 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

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 Conferences scheduled on June 23-24, 2023

International Conferences scheduled on June 21-22, 2024

(1) International Conferences scheduled on June 20-21, 2025 by Engineering Departments

---
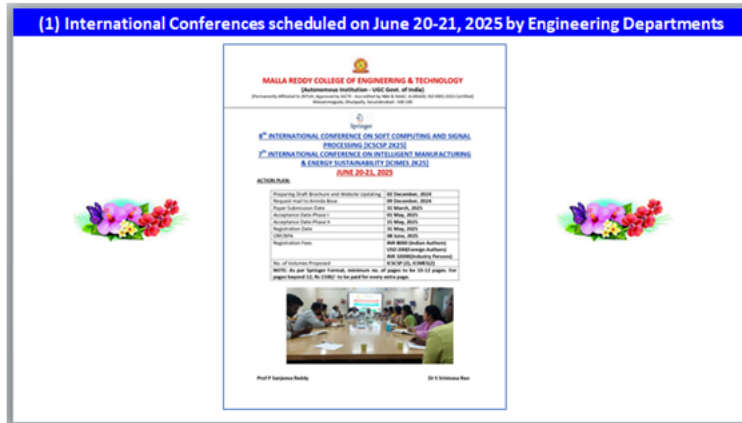
10.1.3 Governing body, administrative setup, functions of various bodies, service rules, procedures, recruitment and promotional policies (10)

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.

MALLA REDDY COLLEGE OF ENGINEERING & TECHNOLOGY
(Autonomous Institution - UGC, Govt. of India)
(Sponsored by CMR Educational Society)
Estd : 2004 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)

07.12.2024

MEMBERS OF 22nd GOVERNING BODY MEETING - A.Y. 2024-25

S.No	Name of the Member	Particulars	Responsibilities	Signature
		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, Hyderabad	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, Mumbai	Member	
11	Sri M Shashikanth	Director, Volksoft Technologies, Hyderabad	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	

MRCET

Maisammaguda, Dhulapally, Secunderabad -500100, Telangana State, India. website: www.mrcet.ac.in
Contact: 9133555162 / 7207034237 / 9133555183, E-Mail Id: mrcet2004@gmail.com; EAMCET/ICET/PGECET Code : MLRD

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

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

MRCET

Maisammaguda, Dhulapally, Secunderabad -500100, Telangana State, India. **website: www.mrcet.ac.in**
Contact: 9133555162 / 7207034237 / 9133555183, E-Mail Id: mrcet2004@gmail.com; **EAMCET/ICET/PGECET Code : MLRD**

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
PRINCIPAL
Malla Reddy College of Engineering & Technology
(Autonomous Institution-UCG, Govt. of India)
Maisammaguda, Dhulapally, Secunderabad-500100.

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

*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.

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)
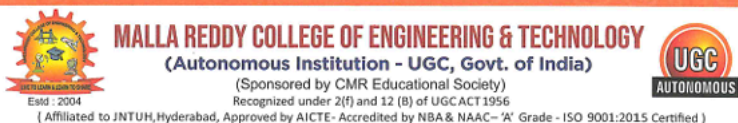
November 08, 2024

MEMBERS OF ACADEMIC COUNCIL
A.Y. 2024-25

S.No	Name of the Member	Particulars	Responsibility	Signature
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	MrK Subhakara Rao, Law	Member, Bar Council of Telangana	Member	
9	Dr. Y. Ramakrishna Prasad, Commerce	Professor of Commerce, GRIET	Member	
10	Dr Mallikarjuna Reddy, Medicine	Director,Strategic Planning, MRVV	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	

MRCET

Maisammaguda, Dhulapally, Secunderabad -500100, Telangana State, India. **website: www.mrcet.ac.in**
Contact: 9133555162 / 7207034237 / 9133555183. E-Mail Id: mrcet2004@gmail.com: **EAMCET/ICET/PGECET Code : MLRD**

MALLA REDDY COLLEGE OF ENGINEERING & TECHNOLOGY
(Autonomous Institution - UGC, Govt. of India)

(Sponsored by CMR Educational Society)

Estd : 2004   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 }

MINUTES OF MEETING OF ACADEMIC COUNCIL HELD ON 08.11.2024

I. Composition of Academic Council

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

MRCET

Maisammaguda, Dhulapally, Secunderabad -500100, Telangana State, India. **website: www.mrcet.ac.in**
Contact: 9133555162 / 7207034237 / 9133555183, E-Mail Id: mrcet2004@gmail.com; **EAMCET/ICET/PGECET Code : MLRD**

a. Conduct of Examinations.

b. Evaluations & Results declaration and other connected issues like revaluation or modifications.

II. AGENDA OF THE MEETING:

(a) R24 Academic Regulations & Course Structure for B.Tech, M.Tech and MBA.

(b) Details of Increase Intake and Addition of New Courses for the A.Y.: 2024-25.

(c) Induction Program details for I B.Tech/I MBA Students for the A.Y.: 2024-25 and
   Academic Calendars for the A.Y. 2024-25.

(d) Procedure for credit detention, R20/R22/R24 Grace marks for Eligible Students and
   Details about B.Tech Honors.

(e) R&D Activities

(f) Details about Recent Achievements.

(g) Skill Development Programs (Soft Skills and Technology Skills)

(h) Placement Details

(i) Any other suggestions/advice by the Academic Council

(j) Vote of thanks

III.MINUTES OF MEETING

➢ Dr. S Srinivasa Rao, Principal has extended a warm welcome to all the distinguished members for the Academic Council Meeting and presented briefly the academic best practices, achievements and other programs undertaken by the college as per the points mentioned in the agenda one by one in detail.

➢ R24 Academic regulations and Course structure of B.Tech, M.Tech and MBA has been presented to all academic council members and got approved.

➢ Dr M Asha Rani, Senior Professor of ECE, JNTUH Hyderabad has suggested (i) to give provision for Internships in the Academic Calendars (ii) to encourage UG and PG Students to do internship in Core Industries (iii) to prepare the outcomes of all the events and activities organized by the Departments (iv) Outcomes obtained w.r.t the MoUs (v) Refresher Courses are to be conducted for the newly joined Faculty members (vi) Absorption of the Students in the companies after internship without any bond (vii) Training to be provided to the students to get placed in core companies. She appreciated with respect to the increase in intake, no. of placements and other achievements of the college.

➢ Dr G Krishna Mohan Rao, Senior Professor of Mechanical Engineering has appreciated the overall presentation and has suggested to scrutiny the Research Project Proposals by experts before forwarding them to DST, AICTE, SERB and other Government Organizations.

➢ Sri T V Shiva Rao, CEO, Future Labs, Hyderabad [Industry nominee] has suggested to provide Virtual Reality based Industrial Visits and conduct Environment Awareness Programs. He also suggested to provide Bio-diesel vehicles for transportation, if possible.

➢ Prof P Rami Reddy, Former Registrar, JNTUH Hyderabad [Education Nominee] has appreciated the overall presentation and increase in intake.

- Principal has taken the approval from the academic council members regarding Academic Calendars of B.Tech, M.Tech and MBA for the A.Y. 2024-25, sanction of grace marks for R20 B.Tech regular admitted students under the regulation of R-20 i.e (2020-21 & 2021-22 batch) are eligible to get grace marks of thirty (30) for any number of theory subjects for the award of B.Tech degree after completion of the course and for B.Tech Lateral Entry admitted students under the regulation of R-20 i.e (2021-22 & 2022-23 batch) are eligible to get grace marks of twenty three (23) for any number of theory subjects for the award of B.Tech degree after completion of the course, Credit Based Detention applicable for all the eligible students as per JNTUH Hyderabad norms and Implementation of B.Tech Honors Program as per JNTUH Hyderabad norms.

- Also taken approval for the sanction of grace marks for R22/R24 B.Tech regular admitted students under the regulation of R-22 and R24 i.e (2022-23 & 2023-24 batch), (2024-25 & 2025-26) are eligible to get grace marks of eight (08) for one or two theory subjects for the award of B.Tech degree after completion of the course and for B.Tech Lateral Entry admitted students under the regulation of R-22/R24 i.e (2023-24 & 2024-25 batch), (2025-26 & 2026-27) are eligible to get grace marks of six (06) for one or two theory subjects for the award of B.Tech degree after completion of the course, Credit Based Detention applicable for all the eligible students as per JNTUH Hyderabad norms and Implementation of B.Tech Honors Program as per JNTUH Hyderabad norms.

- Principal Dr S Srinivasa Rao thanked all the distinguished members for sparing their valuable time and making useful suggestions. He requested for their continued cooperation and valued suggestions.

- Prof P Sanjeeva Reddy, Dean Foreign Studies, Member Secretary of Academic Council Committee has proposed Vote of Thanks.

Dr. S Srinivasa Rao
Principal
PRINCIPAL
Malla Reddy College of Engineering & Technology
(Autonomous Institution-UCG, Govt. of India)
Maisammaguda, Dhulapally, Secunderabad-500100.

PHOTO GALLERY – ACM MEETING HELD ON 08.11.2024

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

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
10	Dr S Shanthi	Head of the Dept., CSE	Member
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

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)

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

MRCET

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-UCG, 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
6	Karri Valli Priya	II	ECE	9885031851	karrivallipriya@gmail.com
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
12	M. Venkata Sai Keerthika	II	CSE	7287827515	mvchrao@gmail.com
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
22	G. Si Sandesh	II	CSE (DS)	7569246142	chandhugaddam27@gmail.com
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
33	A. Usha sree	III	CSIT	9121430617	sree30617@gmail.com
34	P. Karthi reddy	II	CSIT	7780514538	karthikreddy1995@gmail.com
35	B. Sai Vikas	IV	MECH	9701241102	sai.vikas.chary@gmail.com
36	Rohan Pawar	IV	MECH	8125968324	rohanpawar2790@gmail.com
37	Nagalla Sai Vamshi	III	MECH	7032343920	vamshichowdarynagalla@gmail.com
38	Dubbaka Manasa	III	MECH	8328528997	manasashankardubbaka@gmail.com
39	Ch. Chaitanya Raj	II	MECH	9100337369	chinnalahchaitanyaraj@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
43	Mr. N. Ramakrishna	III	ANE	8639709042	krishnarama85426@gmail.com
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
52	P. Shasanth	II	EEE	6300443026	pullimishettyshashanth@gmail.com
53	C. Sai	II	MBA	9381052843	narshimareddy686@gmail.com
54	Ravulapelli Spandana	II	MBA	9573345716	spandanareddy7221@gmail.com

Dr. S.Srinivasa Rao
Principal

PRINCIPAL
Malla Reddy College of Engineering & Technology
(Autonomous Institution-UGC, Govt. of Ind.
Malsammaguda, 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'

10.1.5 Delegation of financial powers (5)   Institute Marks : 5.00

The governing body approves the delegation of financial powers to the principal, HODs and relevant incharges 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.
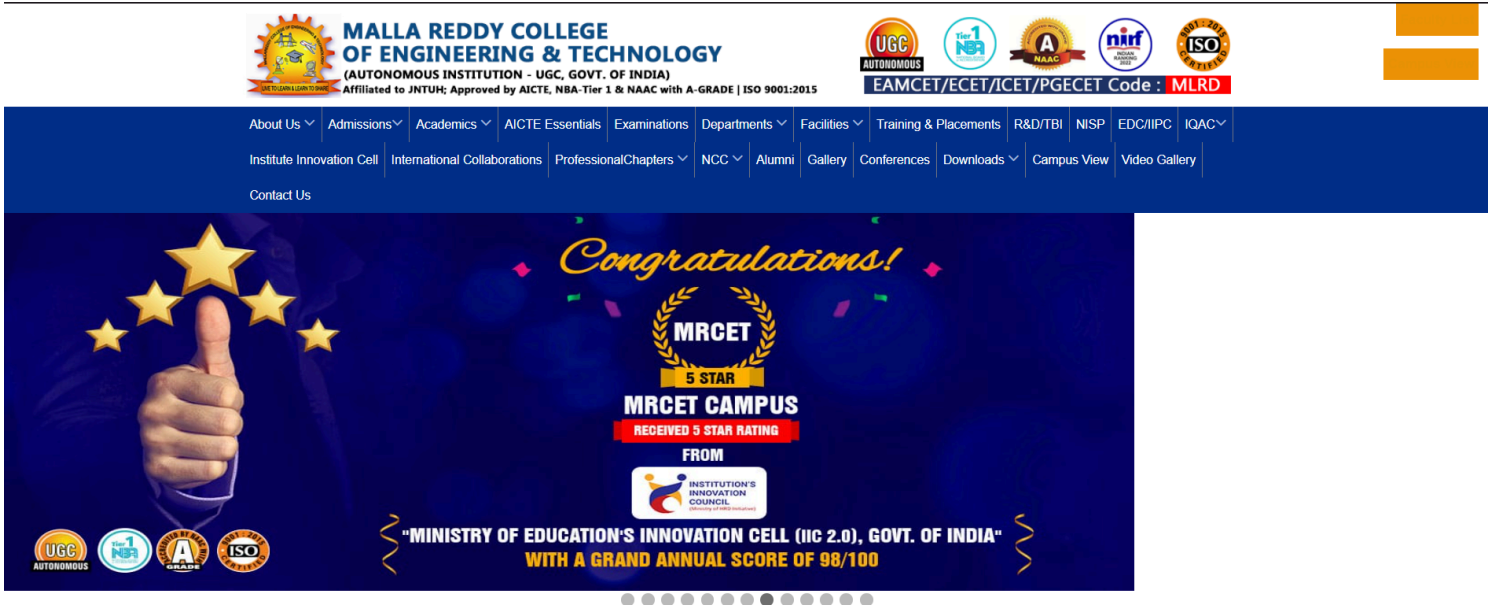
10.2 Budget Allocation, Utilization, and Public Accounting at Institute level (15)

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	32650000	29856000	32500000	3124655	800000	769519	550000	523311
Library	17500000	16500000	15000000	1327642	900000	880909	800000	750500
Laboratory equipment	27500000	25000000	25000000	2282936	50000000	4690173	10000000	1016038
Laboratory consumables	12500000	10000000	12000000	1097866	175000	160999	275000	280747
Teaching and non-teaching staf	37800000	31500000	40000000	3546120	25000000	2309415	25000000	1516560
Maintenance and spares	35000000	25000000	30000000	2441274	1850000	1790119	650000	566083
R&D	55000000	35000000	45000000	3654975	175000	150000	250000	200000
Training and Travel	25000000	21750000	10000000	808002	75000000	7428264	150000	130447
Miscellaneous Expenses*	27500000	24800000	25000000	2167398	25000000	2228654	35000000	3301705
Others, specify	15000000	25300000	12500000	1213525	27500000	2640464	30000000	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.**

	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					

UTILIZATION OF ALLOCATED FUNDS FOR THE A.Y.: 2023-24 (Sample Template)

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 72000000		Actual expenditure (till…): 69600000		Total No. Of Students 639
Non Recurring	Recurring	Non Recurring	Recurring	Expenditure per student
7000000	65000000	6600000	63000000	108920.19

Table 2 :: CFYm1 2022-2023

Total Budget 95700000		Actual expenditure (till…): 94714793		Total No. Of Students 767
Non Recurring	Recurring	Non Recurring	Recurring	Expenditure per student
8200000	87500000	7814730	86900063	123487.34

Table 3 :: CFYm2 2021-2022

Total Budget 120850000		Actual expenditure (till…): 107220814		Total No. Of Students 878
Non Recurring	Recurring	Non Recurring	Recurring	Expenditure per student
850000	120000000	740904	106479910	122119.38

Table 4 :: CFYm3 2020-2021

Total Budget 130500000		Actual expenditure (till…): 122622266		Total No. Of Students 1002
Non Recurring	Recurring	Non Recurring	Recurring	Expenditure per student
500000	130000000	449198	122173068	122377.51

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	3500000	3000000	3500000	3196110	900000	844231	250000	223530
Software	00	00	00	00	00	00	250000	225015
Laboratory consumable	1250000	1200000	1750000	1537013	35000	28980	75000	61765
Maintenance and spares	3500000	3000000	3750000	3417785	350000	322222	130000	124539
R & D	450000	420000	650000	511697	30000	27000	50000	44000

Training and Travel	275000	261000	150000	113120	1500000	1337088	30000	28698
Miscellaneous Expenses*	3500000	2976000	3500000	3034357	500000	401158	750000	726375
Total	**12475000**	**10857000**	**13300000**	**11810082**	**3315000**	**2960679**	**1535000**	**1433922**

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.

ADEQUACY OF BUDGET ALLOCATION FOR THE A.Y.: 2023-24					
DEPARTMENT OF ELECTRONICS AND COMMUNICATION 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.

	Expenditure	Budgeted (Rs)	Expenditure incurred (Rs)	Total Budget(Rs.)		Actual Expenditure (Rs.)
	UTILIZATION OF ALLOCATED FUNDS FOR THE A.Y.: 2023-24					
	DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING					
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

Library:

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.

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

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

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,	Buyer's Order No.	Dated
Malla Reddy College of Engineering & Technology Maisammaguda, Kompally,Secunderabad, State: telangana.Code.36	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)
INR. Fourteen Lakh Sixteen thousand only

E. & O.E

HSN/SAC	Taxable Value	Central Tax		State Tax		Total Tax Amount
		Rate	Amount	Rate	Amount	
00452132	12,00,00.00	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

Authorised Signatory

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	To develop a student community who acquire knowledge by ethical learning and fulfill the societal and industry needs in various technologies of core field.
PSO2	To nurture the students in designing, analyzing and interpreting required in research and development with exposure in multi disciplinary technologies in order to mould them as successful industry ready engineers/entrepreneurs.
PSO3	To empower students with all round capabilities who will be useful in making nation strong in technology, education and research domains.

Declaration

The head of the institution needs to make a declaration as per the format given -

- 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 :

Place : Hyderabad
Date : 17-02-2025 11:37:29