# M-WAVE

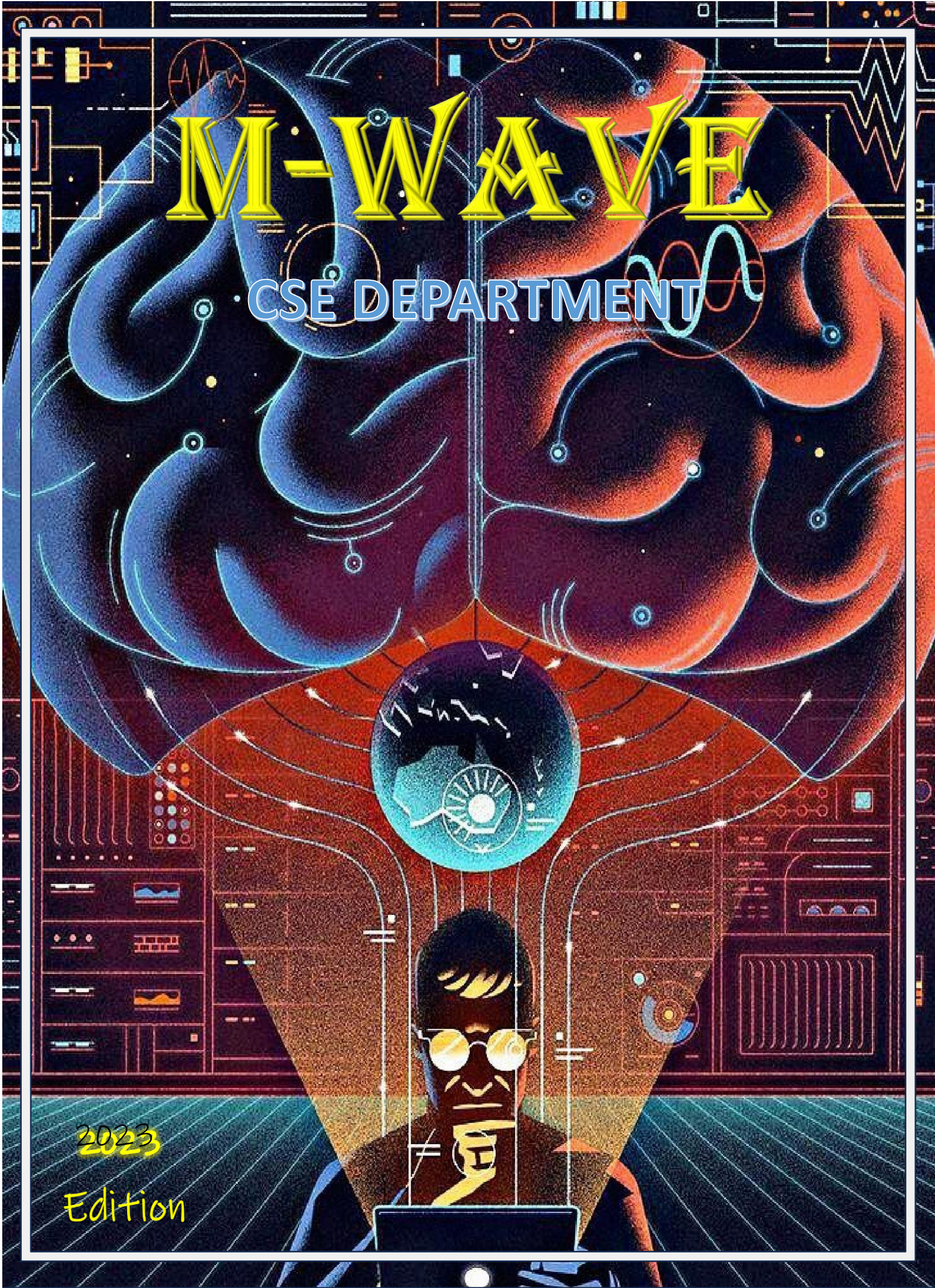## CSE DEPARTMENT

2023

Edition

# EDITORS *desk*

B. Siva Kumar
CSE-3A

C.H. Gayatri
CSE-3A

A.Steffanie Grace
CSE-2A

B.N. Kasyap
CSE-2A

Dr VSK REDDY
Director , MRCET

# FOREWORD BY THE DIRECTOR

 I would incorporate new ideas which depict adept nature of MRCET students am delighted to announce the release of the much- awaited M- Wave Magazine, a remarkable endeavor entirely driven and executed by our talented students. The M- Wave Magazine stands as a testament to the incredible creativity and hard work our students have poured into this project. It is a platform that showcases their diverse talents, innovative ideas, and insightful perspectives. With increasing competition across the world, it is now crucial to be exposed to practical applications. Investing time in finding out numerous alternatives to a problem space instead of one, is a step towards skill enhancement. Such analysis requires an innovative mind that can be developed when one is involved in creation of intricate works like " M- WAVE". The M- Wave Magazine is a canvas on which our students have painted their ideas, stories, and artistic expressions. It is a reflection of the diversity and dynamism that def ines our ins t i tution. I 'm delight ed t o s ee how a platf orm provided by MRCET is fully utilised by the student and faculty members. I further advise the students to keep exploring while always being enthusiastic about learning new things.

Regards,

Dr VSK Reddy,
Director

Dr. S Srinivasa Rao,
Principal,MRCET

# FOREWORD BY THE PRINCIPAL

I am thrilled to introduce the latest endeavour undertaken by our talented students - the M- Wave Magazine. This publication is a labor of love and a showcase of their remarkable creativity and dedication. Education in MRCET will always reflect the confidence we have in our students' ability, and our aim to create an environment where challenges will be taken up by our students as opportunities. The M- Wave Magazine is a platform for our students to express themselves through their art, writing, photography, and more. Within its pages, you'll f ind a r ich tapestry of stories, poems, articles, artwork, and much more, all crafted by the skillful hands and imaginative minds of our students. It 's a reflection of the vibrant and dynamic community we have at our college One of the steps to explore not only today' s technical world but also innovative levels of a student is the implementation of " M- WAVE", the CSE department' s sophisticated magazine. It 's a testament to their diverse talents and the hard work they've put into this magazine. The magazine covers wide range of sections which consists the details of various workshops, events, certification programmes, cultural programmes, sports activities conducted in MRCET including sublime articles and artforms submitted by creative students of CSE department. I appreciate the faculty and student committee to initialize and successfully implement " M- WAVE". Your encouragement and support mean the world to our young talents, motivating them to continue pushing the boundaries of creativity. From the past few years, editions of " M- WAVE" emphasized the standards of the department and its students. Hoping this new edition of magazine would incorporate new ideas which depict adept nature of MRCET students.

Regards,
**Dr. S Srinivasa
Rao, Principal.**
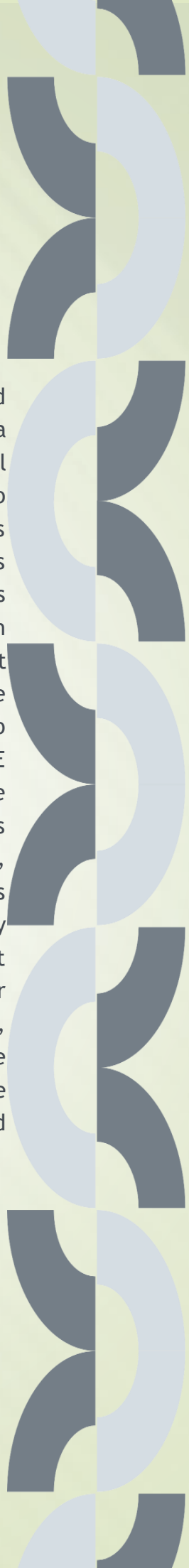
Dr. Shanthi,
Head of Department - CSE

# FOREWORD BY THE HOD

I believe that educational institutions should not only impart knowledge to the students but also allowthem to expand their creative capabilities and showcase them to the world. M- WAVE is one such stepping stone towards the creation of such an environment. This magazine puts forward various activities conducted by the department and also encourages the students and faculty members to explore their innate capabilities. It is great to see the efforts of faculty members and the students to bring up such a piece of work and it is also a proud moment for the department for taking up such steps towards the betterment of the students. I really hope that this magazine finds its way towards shaping the minds of the students in a way such that they succeed in every step of their life.

**Regards**
**Dr S Shanthi,**
**Head Of the Department-CSE**

# ANNUAL DAY

The annual Day celebration provided an opportunity to acknowledge and appreciate the academic achievements of our students. It is an occasion of celebration, felicitation, feast and festivity when students present with their wonderful performances and also receive honors for their curricular and co_ curricular achievements



The celebrations are addressed by the chairman of the institute**, Ch Malla reddy garu**, who emphasizes the students to inculcate the habit of research-oriented thinking and cultural events as well. The event began with a warm welcome address by our college principal, S Srinivas Rao, who set the tone for the day's festivities. The agenda included a diverse range of activities, including technical sessions, cultural performances, exhibitions, and awards ceremonies.





The cultural performances show cased incredible talents of our students, dance, music, and drama performances captivated the audience, cultural diversity within our college community

The event also witnessed the recognition of outstanding individuals. Faculty members, students, and alumni received awards for their exceptional contributions  to the college and the engineering community. We express our heartfelt gratitude  to our sponsors and partners whose generous support made this event possible.  Prizes will be distributed for the class toppers of every  department .

The Annual  Day at college is more than just a celebration; it's a chance for the college   community to come together, showcase their talents and achievements, and  strengthen the bonds that make the institution a special place for learning and  growth. It's a day filled with joy, reflection, and pride in being part of the college's  tradition and legacy. Outstanding students, faculty members, and staff may receive   awards and recognition for their achievements in academics, sports, cultural  activities, and other areas. This is an opportunity to celebrate and acknowledge their   contributions to the college. The Annual Day may also be a platform to celebrate  academic achievements such as top performers, research publications, or academic excellence awards.

Annual Day at Malla Reddy college of Engineering and Technology not only

celebrated our engineering heritage but also looked ahead to the promising future of engineering education and practice. It served  as a reminder of our commitment to  excellence and innovation

# A Techno Cultural Fest

## ESPIRITO-2023



" ESPIRITO ",the most awaited tech fest which will be held for two days. many interesting events are conducted by the department. the first day is the technical day where the technical events like code debugging, technical quiz, blind coding ,paper presentation, poster presentation and etc. are conducted. the second day is the cultural day where events like logo pogo , theme costumes, signature step, photography, slow cycling, Lan gaming and etc. are been conducted . our department has conducted a unique department event which is " Instagram reels" .all the students whoever participated in the events where awarded with participation certificates as well as the winners were given the prizes for the events

# NOVATO



## FRESHERS' DAY AT COLLEGE A MEMORABLE BEGINNING

The very purpose of the Fresher's day party is to welcome new comers in a friendly atmosphere and avoid social evils, to encourage their creative impulses to boost their confidence. It is the day where seniors and juniors finally bond and unite to celebrate being part of the college.the events began with a lot of zest and joy which included games, singing, dance, fashion show and finally the stage was set for the fresher's to showcase their talent and compete for the Mr. and Ms. Fresher's crown.

This day is filled with excitement, anticipation, and enthusiasm as students embark on a new adventure of learning and personal growth. Freshers' Day celebrations are incomplete without cultural performances. Students showcase their talents through dance, music, drama, and other artistic expressions.

These performances not only entertain but also reflect the diverse and vibrant culture of the college community. It's a time for students to exhibit their creativity and for the audience to appreciate the talents of

most memorable aspects of Freshers' Day is the interaction with senior students.

# IDEATHON

International institution startup idea and innovation

R programming workshop was conducted on 29th & 30th September 2023 by Mr. Naga Sri Mouli Borusu, a speaker, Industry Expert and a very well knowledge resource person in the field of Data Science and Machine Learning. The main objective of this workshop was to make aware the students of one of the latest technologies, R Programming which is not part of their curriculum. As R Programming has become one of the most prominent and in demand programming language, this workshop was planned to give students sufficient knowledge and technicality which may prove to be more beneficial and fruitful for them during their respective career path. The venue for the workshop is at Von Neumann lab at CSE department. The workshop was conducted from 9.30 am to 4.00 pm for two days. Around 135 students of third year have participated and got benefited.

The workshop started with formal inauguration where Dr.S.Shanthi, HOD of CSE, welcomes the resource person, Dr.S.Srinivasa Rao , Principal of MRCET , Dr.T.Venugopal, Dean, and students. Dr.S.Shanthi, HOD of CSE, insisted students to use the opportunity in developing their skills and knowledge on R Programming. Dr.S.Srinivasa Rao , Principal of MRCET, addressed students to be attentive and grab the knowledge. Dr.T.Venugopal, Dean of MRCET, facilitate the students with the current ongoing opportunities and technologies

# Conferences (2022-23)

1. G.Ravi, Efficiency Optimization of Security and Safety in Cooperative ITS Communication for QoS Service Intelligent Systems and Sustainable Computing (Springer Link)-(Scopus indexed)2190-3018,2022.

2. S. Rahamat Basha, et al., "Implementation of Reliability Antecedent Forwarding Technique Using Straddling Path Recovery in Manet", Wireless Communications and Mobile Computing, vol. 2022, Article ID 6489185, 9 pages, 2022. May-2022, ISSN: 1530-8677.

3. Dr V Sangeetha, Evaluation of Top K-Query Probabilistic Data Efficiency, International Conference on Recent Challenges in Engineering, Science and Management (ICRCESM-2022)

4. S. Rahamat Basha and T. Bhasara Reddy. "Imbalanced Text Features for Toxic Comments Classification" International Journal for Modern Trends in Science and Technology 2022, 8 pp. 313-317. https://doi.org/10.46501/IJMTST0801054 (Google Scholar, UGC).

5. Dr. Shanthi Siva kumar, Adaptive trust-based secure and optimal route selection algorithm for MANET using hybrid fuzzy optimization (Springer),2023.

6. Dr. Shanthi Siva kumar, An automation query expansion strategy for information retrieval by using fuzzy based grasshopper optimization algorithm on medical datasets, (Scopus Indexed), 2023.

7. Dr. Shanthi Sivakumar, Enhancing Recommender Systems Using Sentiment and Emotion Analysis of Reviews (Scopus Indexed), 2023.

8. Dr. Shanthi Sivakumar , A secured and optimized deep recurrent neural network (DRNN) scheme for remote health monitoring system with edge computing,(Scopus Indexed),2023.

9. Dr. Shanthi Sivakumar, Adaptive trust-based secure and optimal route selection algorithm for MANET using hybrid fuzzy optimization, (Scopus Indexed), 2023.

10. G. Ravi, Reliable cluster based data aggregation scheme for IoT network using hybrid deep learning techniques Measurement: Sensors, (Scopus Indexed) 100744, January- 2023.

11. G. Ravi, Forecasting Stock Exchange Trends for Discrete and Non-discrete Inputs Using Machine Learning and Deep Learning Techniques Smart Innovation Systems and Technologies(Springer Link)-(Scopus indexed)2190-3018,June-23.

# Patents(2022-2023)

| S.NO. | NAME OF FACULTY | TITLE | APPLICATION NUMBER | YEAR |
|---|---|---|---|---|
| 1. | S. RAHAMAT BASHA | IoT Based Sound Pollution Monitoring System | 202241041687 | 29/07/2022 |
| 2 | S. RAHAMAT BASHA | Electric Cart for Agricultural Purposes Design No. 6294125, Certificate of Registration for a UK Design | 202241041687 | 29/07/2022 |
| 3 | SANDEEP AGARWALLA | Artificial Intelligence based Automatic Health care system to detection and prevention of all kinds of Cancer | 202241043340 | 05/08/2022 |
| 4 | D.MADDURU SAMBASIVUDU | A novel antenna system for IOT Application and method there of | 202341036939 | 16/06/2023 |
| 5 | D.MADDURU SAMBASIVUDU | ML strategy for performance enhancement of phase change material for a smart control solar application | 202241059633 | 28/10/22 |

6. Dr. Shanthi . S , Enhancing Energy And life Time of Wireless Sensor Network Based On cluster Intra And inter Optimum Path Routing Algorithm.2021

7. Dr. Shanthi.S ,Breast Cancer detection using bimodal image fusion: Thermography and mammography images, Oncology and radiotherapy2022

8. Dr.Shanthi.S, Secured Intelligent cooperative Communication in vehicular Networks, Springer 2022

9. Dr.Shanthi.S, Secured Intelligent Cooperative Communication in Vehicular Networks,springer,2022.

# Patents(2022-2023)

IoT Based Sound Pollution Monitoring System, 29/07/2022

202241041687

Electric Cart for Agricultural Purposes Design No. 6294125, Certificate of Registration for a UK Design, 29/07/2022

202241041687

**Dr. S.RAHAMAT BASHA**

**SANDEEP AGARWALLA**

Artificial Intelligence based Automatic Health care system to detection and prevention of all kinds of Cancer and Chronic disease at early stage using Machine Learning and Deep Learning Algorithm for Healthy Life (2022-23), 05/08/2022

202241043340

A novel antenna system for IOT Application and method there of, 16/06/2023

202341036939

**Dr. D.MADDURU SAMBASIVUDU**

ML strategy for performance enhancement of phase change material for a smart control solar application, 28/10/22

202241059633

# RESEARCH PUBLICATIONS IN NATIONAL/ INTERNATIONAL IN JOURNALS

## NATIONAL/ INTERNATIONAL JOURNALS FOR ACADEMIC YEAR 2021- 2022

A novel encryption design for wireless body area network in remote healthcare system using enhanced RCA algorithm International journal 2022 (SCOPUS INDEXED)

Enhancing Energy And life Time of Wireless Sensor Network Based On cluster Intra And inter Optimum Path Routing Algorithm. International journal 2021

breast Cancer detection using bimodal image fusion: Thermography and mammography images, Oncology and radiotherapy International journal 2022

Secured Intelligent cooperative Communication in vehicular Networks, Springer International journal 2022

cured Intelligent Cooperative Communication in Vehicular Networks, springer International journal 2022

Dr. Shanthi.S

# RESEARCH PUBLICATIONS IN NATIONAL/ INTERNATIONAL IN JOURNALS

## NATIONAL/ INTERNATIONAL JOURNALS FOR ACADEMIC YEAR 2021- 2022

Internet User Advice Based On Collaborative Screening And Voting
(IJITR) INTERNATIONAL JOURNAL OF INNOVATIVE TECHNMOLOGY AND RESEACH

Design a Novel IoT-Based Agriculture Automation Using Machine Learning
International journal,2021

G.Ravi

Machine Learning-Based Intelligent Video Analytics Design Using Depth Intra Coding River Publishers,International journal, 2021

Dr S. Rahmat Basha

Implementation of Reliability Antecedent Forwarding Technique Using Straddling Path Recovery in Manet
Wireless Communications and Mobile Computing, vol. 2022, Article ID 6489185, 9 pages, 2022. May-2022, ISSN: 1530-8677 (SCI-Indexed, Scopus Indexed).https://doi.org/10.1155/2022/6489185

Dr. S. Rahamat Basha and T. Bhasara Reddy

Imbalanced Text Features for Toxic Comments Classification
International Journal for Modern Trends in Science and Technology 2022, 8 pp. 313-317.
https://doi.org/10.46501/IJMTST0801054 (Google Scholar, UGC).

# RESEARCH PUBLICATIONS IN NATIONAL/ INTERNATIONAL IN JOURNALS

## NATIONAL/ INTERNATIONAL JOURNALS FOR ACADEMIC YEAR 2022- 2023

Internet User Advice Based On Collaborative Screening And Voting (IJITR) INTERNATIONAL JOURNAL OF INNOVATIVE TECHNMOLOGY AND RESEACH

Sandeep agarwalla

Review on Data Aggregation Techniques in Internet of Things International journal (IJCERT) 2349-7084, 2022

G.Ravi

Energy Efficient Data Aggregation Scheme using Improved LEACH Algorithm for IoT Networks International journal IJISAE(Scopus Indexed)2147-6799,March-2023

Title of the invention: Electric Cart for Agricultural Purposes International journal Design No. 6294125, Certificate of Registration for a UK Design, Grant date: 11 July 2023. Publication date 12 July 2023.

Dr S. RAHAMAT BASHA

Secure Clouds Through Reputation-Based Cloud Service Trust Management International journal Of Innovative Technology And research (IJITR), ISSN 2320-5547, mar-23

Dr. V. Sangeetha

# RESEARCH PUBLICATIONS IN NATIONAL/ INTERNATIONAL IN CONFERENCE

## NATIONAL/ INTERNATIONAL JOURNALS FOR ACADEMIC YEAR 2021- 2022

An automation query expansion strategy for information retrieval by using fuzzy based grasshopper optimization algorithm on medical datasets, December 2022(SCOPUSINDEXED)

Recognition of botnet by examining link failures in cloud network by exhausting canfes classifier approach,2021(SCOPUS INDEXED)

Dr. Shanthi.S

A Protected And Lightweight Data Distribution Program For Mobile Cloud Computing", ISSN 2320 - 5547,Feb - March 2022

"Forecasting Stock Exchange Trends For Discrete & Non-Discrete Inputs Using Machine Learning & Deep Learning Techniques,2022

Efficiency Optimization of Security and Safety in Cooperative. ITS Communication for QoS Service Smart Innovation, Systems and Technologies,2022

G.Ravi

Analysis of Heart Disease Data Using K-Means Clustering Algorithm in Orange Tool" , 2021

Smart Underground drainage management system using internet of things, 2022.

# RESEARCH PUBLICATIONS IN NATIONAL/ INTERNATIONAL IN CONFERENCE

# NATIONAL/ INTERNATIONAL JOURNALS FOR ACADEMIC YEAR 2022- 2023

Efficiency Optimization of Security and Safety in Cooperative ITS Communication for QoS Service Intelligent Systems

Reliable cluster based data aggregation scheme for IoT network using hybrid deep learning techniques Measurement: Sensors, (Scopus Indexed) 100744, January-2023.

Forecasting Stock Exchange Trends for Discrete and Non-discrete Inputs Using Machine Learning and Deep Learning Techniques. Smart Innovation Systems and Technologies(Springer Link)-(Scopus indexed)2190-3018,June-23.

G.Ravi

Dr S. Rahamat Basha

"Implementation of Reliability Antecedent Forwarding Technique Using Straddling Path Recovery in Manet", Wireless Communications and Mobile Computing, vol. 2022, Article ID 6489185, 9 pages, 2022. May-2022, ISSN: 1530-8677.

Evaluation of Top K-Query Probabilistic Data Efficiency, International Conference on Recent Challenges in Engineering, Science and Management (ICRCESM-2022)

Dr V Sangeetha

Neerukattu Siva Kumar

A Comprehensive Review on Deep Learning and Machine Learning Approaches for Tomato Leaf Disease Identification, IEEE 2023 8th International Conference on Communication and Electronics Systems (ICCES)

An automation query expansion strategy for information retrieval by using fuzzy based grasshopper optimization algorithm on medical datasets,(Scopus Indexed), 2023.

Enhancing Recommender Systems Using Sentiment and Emotion Analysis of Reviews (Scopus Indexed), 2023.

A secured and optimized deep recurrent neural network (DRNN) scheme for remote health monitoring system with edge computing,(Scopus Indexed),2023.

Adaptive trust-based secure and optimal route selection algorithm for MANET using hybrid fuzzy optimization (Springer),2023.

Adaptive trust-based secure and optimal route selection algorithm for MANET using hybrid fuzzy optimization, (Scopus Indexed),2023.

Dr. Shanthi.S, Siva kumar

Dr   S. Rahamat Basha and T. Bhasara Reddy

"Imbalanced Text Features for Toxic Comments Classification" International Journal for Modern Trends in Science and Technology 2022, 8 pp. 313-317. https://doi.org/10.46501/IJMTST0801054 (Google Scholar, UGC).

# Student  Achievements 2022-23

| Sno | Rollno | Name | Seminar/Workshops Attended |
|---|---|---|---|
| 1 | 20N31A0598 | GAYATRI KAMBHAMPATI | Ethical hacking by great learning |
| 2 | 20N31A05B1 | ABHINAYA KATRAGADDA | Introduction to cyber security |
| 3 | 20N31A0567 | ROHITH GADEPAKA | GreatLearning (Introduction to ethical hacking) |
| 4 | 18N31A05G3 | PACHIGOLLA JOSHNA | Artificial Intelligence |
| 5 | 20n31a05e7 | ARSHAD BASHA MD | Cyber security |
| 6 | 18N31A05L7 | survi Tejaswi | Full Stack web development program |
| 7 | 20N31A05M9 | VENKATA NAGA SAI TARUNI VADAPALLI | CYBER SECURITY CERTIFCATION-GREAT LEARNING |
| 8 | 21N35A0502 | BATHULA R NAVEEN KUMA | Introduction to Cybersecurity Tools & Cyber Attacks |
| 9 | 20N31A0552 | RAHUL DHARMASOTH | GREAT LEARNING ACADEMY on June 2023 |
| 10 | 21N31A05A7 | Biradar Sharanya | Coursera 2022-2023 |
| 11 | 21N31A05G9 | P VARSHITHA | Getting started with AI |
| 12 | 21N31A05K7 | PUTTA VARSHITHA PUTTA VARSHITHA | R programming |
| 13 | 22n35a0514 | KANDAGATLA RAJU | Business plan competition |
| 14 | 21N31A05J7 | POTHANABOINA THARUN KUMAR | PROJECT 2K23 |
| 15 | 21N31A05H5 | PASANADHI SUBHASH PASANADHI SUBHASH | Coursera certificates from oct 27 to dec 3rd |
| 16 | 21N31A05H5 | Pasandhi subhash | Coursera certificates from oct 27 to dec 3rd |
| 17 | 22N35A0521 | NIHARIKA NARAGONI | Business Plan  Competition |
| 18 | 21N31A05N4 | Sriramula Gowtham | Ai application |
| 19 | 19N31A0506 | ADAPA NAGA SAI SUBHASHINI | Python Microsoft Certification Bootcamp |
| 20 | 21N31A0530 | BOLLI AKSHITHA | DJANGO WORKSHOP |

# M.TECH ORIENTATION DAY

# M.TECH STUDENTS PUBLICATIONS

- **MAKADIYA DHARMI , Dr. S. SHANTI** Professor, **Dr. M.SAMBASIVUDU**, Associate Professor, Dept of CSE, Malla Reddy College of Engineering and Technology, Hyderabad, T.S, India ,Improved Hybrid Fingerprint-Based P2P Media Distribution For Privacy Protection, (IJITR) INTERNATIONAL JOURNAL OF INNOVATIVE TECHNOLOGY AND RESEARCH Volume No.11, Issue No.2, February – March 2023, 10243 – 10245

- **PENMATSA UDAYA BHANU , N.SHIVA KUMAR** Assistant Professor, **Dr. M.SAMBASIVUDU**, Associate Professor, Dept of CSE, Malla Reddy College of Engineering and Technology, Hyderabad, T.S, India Asserting The Security Restrictions Applicable To Images Posted By Users To Information Platforms, (IJITR) INTERNATIONAL JOURNAL OF INNOVATIVE TECHNOLOGY AND RESEARCH Volume No.11, Issue No.2, February – March 2023, 10232 - 10235.

- **MADIPADHI RAMYA SREE, G.MANOJ KUMAR** Associate Professor, **Dr. M.SAMBASIVUDU**, Associate Professor, Dept of CSE, Malla Reddy College of Engineering and Technology, Hyderabad, T.S, India Recovering Images Based On Their Contents In A Distributed System, (IJITR) INTERNATIONAL JOURNAL OF INNOVATIVE TECHNOLOGY AND RESEARCH Volume No.11, Issue No.2, February – March 2023, 10263 - 10265.

- **NEELAM SAISRI , Dr. V. SANGEETHA** Associate Professor, **Dr. M.SAMBASIVUDU**, Associate Professor, Dept of CSE, Malla Reddy College of Engineering and Technology, Hyderabad, T.S, India ,Secure Clouds Through Reputation-Based Cloud Service Trust Management, (IJITR) INTERNATIONAL JOURNAL OF INNOVATIVE TECHNOLOGY AND RESEARCH Volume No.11, Issue No.2, February – March 2023, 10236 - 10238.

- **Y.RAJESWI , D.SAI ESWARI** Assistant Professor, **Dr. M.SAMBASIVUDU**, Associate Professor ,Dept of CSE, Malla Reddy College of Engineering and Technology, Hyderabad, T.S, India Cloud-Based RDF Data Management That'S Both Powerful And Extensible, (IJITR) INTERNATIONAL JOURNAL OF INNOVATIVE TECHNOLOGY AND RESEARCH Volume No.11, Issue No.2, February – March 2023, 10253 - 10256.

# International Conference 2023

# International Conference ICSCSP-2023

Malla Reddy College of Engineering &amp; Technology has successfully hosted its 6th International Conference on "Soft Computing and Signal Processing" by the Department of CSE,IT,AIML and ET on 23rd and 24th June 2023.The inaugural ceremony was started by lightning the lamp followed by an invocation song. The guest of honor was welcomed with a traditional dance by our MRCET students.

The auditorium was occupied by the eminent personality- Guests of honors : Prof.Naeem MS Hannoon, MARA, Malaysia, Prof.Siba K Udgata, HCU, Hyderabad, Prof.Suresh Chandra Satapathy, Dean R&amp;D, KIIT, Bhubaneswar, Dr.VSKReddy,Director,MRCET,Dr.S.SrinivasaRao, Principal, MRCET, Prof.P.Sanjeeva Reddy, Dean of international studies and Organizing Secretory of 6 th International Conference, Dr.T.Venugopal, Dean of students welfare, MRCET and all the department Head's. A huge number of scholars from various countries presented their research articles during these two days and their research papers are selected in SPRINGER for publication. The Souvenir has been launched by all the dignitaries on the dais to make this event a memorable one for MRCET.

# Graduation Day

The Graduation Day was held on June 15th 2023, at Malla Reddy College of Engg &Technology in the Main Auditorium at 10:30 am. Around 800 graduates with their parents attended the ceremony to celebrate their success on achieving their B.Tech degree. In Computer Science and Engineering around 230 got graduated on first attempt among 260 which was a greatest achievement among all other passed out.

The Hon'ble Chief Guest of the programme was Sri. Ch. Malla Reddy, Hon'ble member of Legislative Assembly(MLA), Founder Chairman(MGRI) presided over the function and delivered the presidential address. The other prominent dignitaries on the Dias are: Dr.VSK Reddy,Director, MRCET, Dr. S. Srinivasa Rao, Principal, Dr. T.Venugopal, Dean of students welfare, Dr. S.Shanthi, HOD-CSE and all other department HOD'S.The program has started with an Invocation song followed by Lighting of lamp by the dignitaries.

# Campus Recruitment Training (CRT)

A Six days CRT classes was held at MRCET, CSE from 05 TH June TO 10 TH June 2023 in Offline mode, which was conducted by Logik works. 211 students of CSE IV th B.Tech students attended these classes. The intention of this training program was to improve the Concord, Interview skills, Being Alpha, Brand Elevator, Articles, Voices, The Insider, Black and White, Races, Boats and Streams, Time and Work, Piper and Cisterns, Man days and Wages, Critical Reasoning, Idioms, Permutations And Combinations, Probability are the non Technical Skills and Introduction, Object Oriented Programming concepts, Searching Techniques, Sorting Techniques, Linked lists are the Technical skills to student to get placement. Venkat, Savithri, Prabhakar are the trainers from the Logik works. Mr.Naveen, Mr.Tariq, Dr.VSR Murthy, Dr.Himabindu, Mrs.Swapna, Mr.Anjaneyulu, Mr.Temozion, Ms.Kavya, Ms.Vijayalakshmi, Mrs.Rajasri are the trainers from the MRCET.

The topics covered in the CRT training program:

Day 1:

Concord, Interview skills, Being Alpha, Brand Elevator

Day 2:

Articles, Voices, the Insider, Black and White

Day 3:

Races, Boats and Streams, Object Oriented Programming concepts

Day 4:

Time and Work, Piper and Cisterns, Man days and Wages, Introduction Searching Techniques

Day 5:

Critical Reasoning, Idioms, Searching Techniques, Sorting Techniques

Day 6:

Permutations and Combinations, Probability, Linked lists

The CRT Training Program was interactive among the students and the trainers which made the students well trained. Also they were provided with work sheets where they practiced on the concern topics after the session was conducted.

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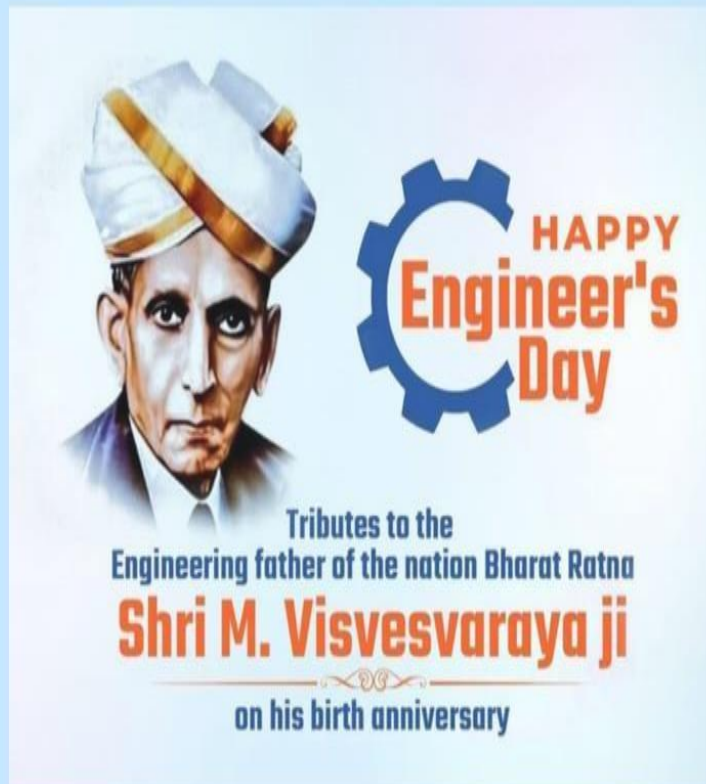05/06/2023 14:07



06/06/2023 12:44



07/06/2023 11:55
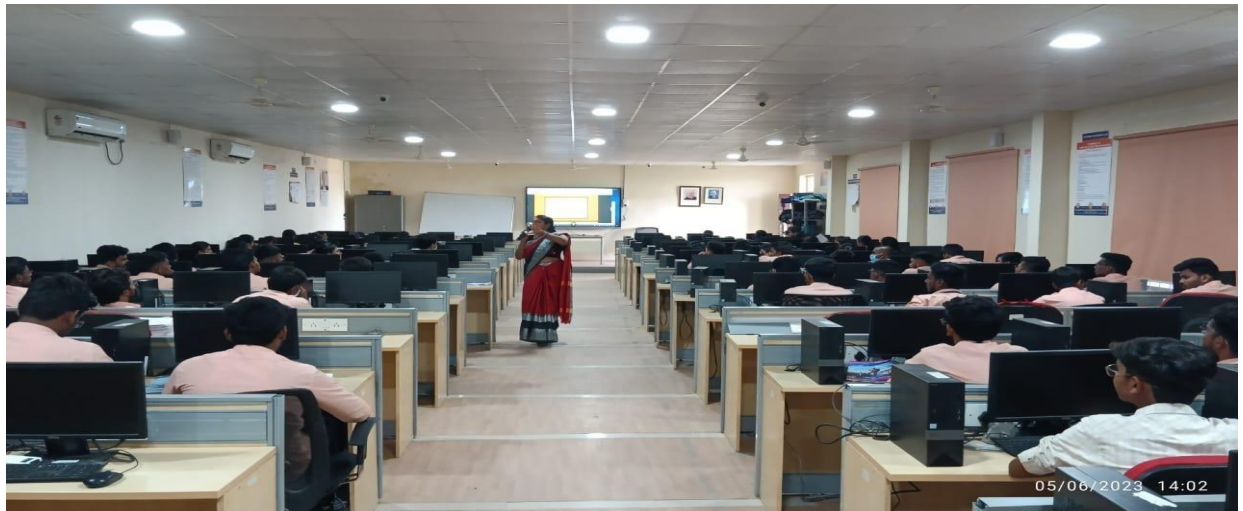
# FLASH MOB-2023
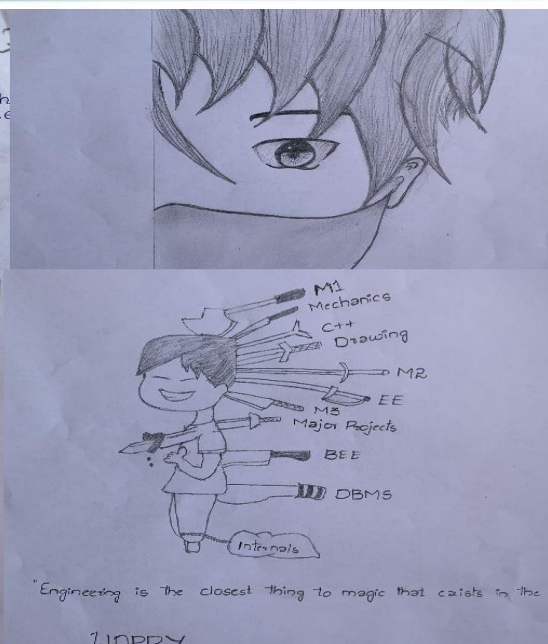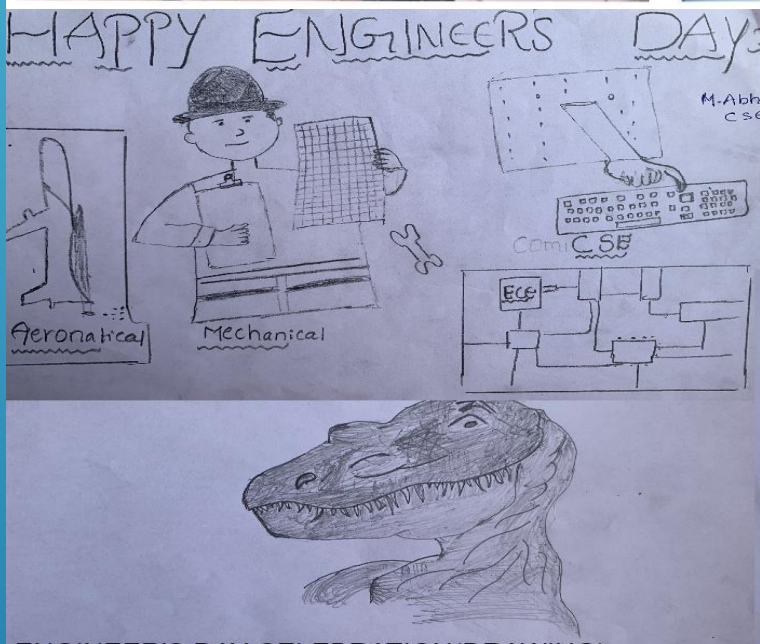
# "Engineer's day" Celebration

**MALLA REDDY COLLEGE OF ENGINEERING & TECHNOLOGY**

DEPARTMENT OF COMPUTER SCIENCE ENGINEERING

HAPPY
**Engineer's Day**

Tributes to the
Engineering father of the nation Bharat Ratna
**Shri M. Visvesvaraya ji**

on his birth anniversary

On the occasion of Birth Anniversary of India's most prominent engineer Dr. Moksha Gundam Vishweshvaraya, we celebrate Engineers' day in his remembrance of their remarkable works in engineering field. On 15th September 2023 @ MRCET the Engineers Day celebration was organized by the department of Computer Science and engineering. The event was planned in such a way that students can involve themselves in exhibiting their talents as an engineer in all aspects.
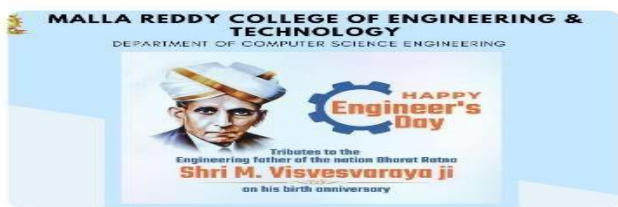
quiz COMPETITION

MALLA REDDY COLLEGE OF ENGINEERING & TECHNOLOGY
DEPARTMENT OF COMPUTER SCIENCE ENGINEERING

HAPPY Engineer's Day
Tributes to the
Engineering father of the nation Bharat Ratna
Shri M. Visvesvaraya ji
on his birth anniversary

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quizizz.com

HAPPY ENGINEERS DAY

Aeronatical     Mechanical     Com CSE     ECE
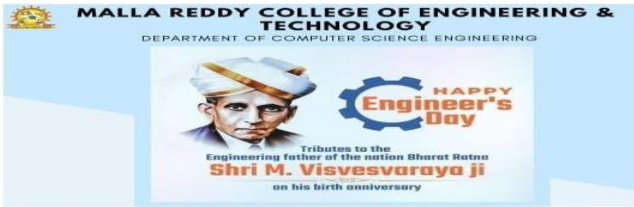
ENGINEER'S DAY CELEBRATION(DRAWING)

M1 Mechanics
C++ Drawing
M2
EE
M3
Major Projects
BEE
DBMS
Internals

"Engineering is the closest thing to magic that exists in the

HAPPY

MALLA REDDY COLLEGE OF ENGINEERING & TECHNOLOGY
DEPARTMENT OF COMPUTER SCIENCE ENGINEERING

HAPPY Engineer's Day
Tributes to the
Engineering father of the nation Bharat Ratna
Shri M. Visvesvaraya ji
on his birth anniversary
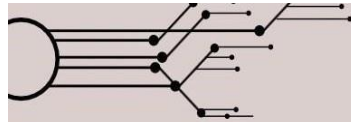
# ARTIFICIAL INTELLIGENCE VS YOU

Is AI making us doubt our capabilities and opportunities in the market today? Or are we just OVERTHINKING it? How can something created by man himself make us get to such a question? Let us find out.

- A. Steffanie Grace II CSE-A

## WHY? The Cause

There are 2 possible answers to these questions:
1. We can't stop experimenting and creating
2. We are over dependent on technology.

While both answers can find no stop to whatsoever, the urge of man to keep creating would eventually find an end when AI would ultimately take over. And we all are wondering how AI would take over. Lets's take a quick look at the 2nd conclusion we came down to. "We've become too dependent." Every task we do, we look out for solutions. If you give it a deep thought on "How we get our answers?" You have your answer right there. AI is all we look to.
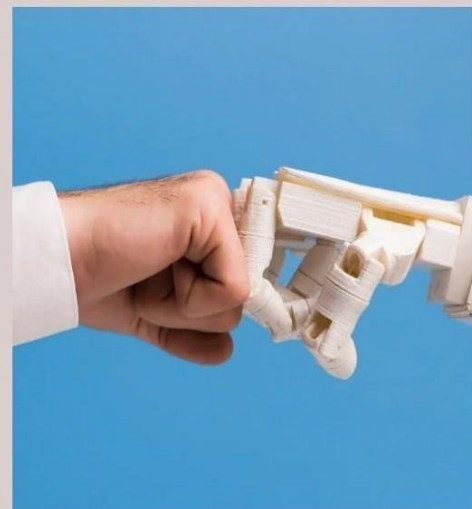
## HOW? The Threats

Artificial intelligence has the potential to make lives easier by understanding human desires but if it were uncontrolled, the technology could pose a serious threat to society. We all know how the tools of AI have their limitations, and AI is still far from replicating the unique skills, insights, and creativity that humans possess. But we humans have got to a point where we are using AI for the most basic things today. Jobs in the market today like customer service representatives, computer programmers, research analysts, financial traders, graphic designing, content writing and so many more could possibly be replaced by artificial intelligence in the coming days.

# ANSWERS. *The Solution*

**FOR THE QUESTIONS WE CAME UP WITH, WE HAVE TWO ANSWERS. LET US LOOK AT THEM.**
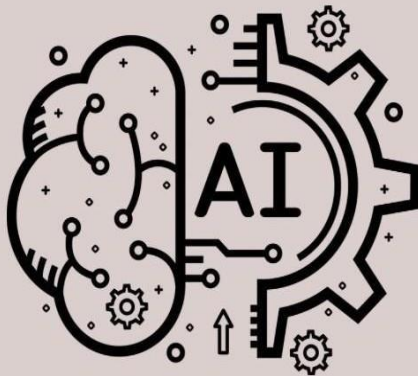
## 1. STOP BEING DEPENDENT.

There are Certain skills that AI can not replace, two of them being Creativity and Critical thinking. At first glance, it might seem like AI can be as creative as any person. But it's important to remember that most AI programs simply manipulate the already existing data that they have been trained out. New thinking is something AI lacks so working on being creative is important, as for now, creativity and critical thinking remain as exclusive human skills.

## 2. USE AI IN THE RIGHT WAY and DEVELOP NEW SKILLS.

While we all are equally worried to see where AI would take over, here are 5 strategies to tackle this fear and become less vulnerable to these changes:

1. Develop skills that are difficult to automate by AI.
2. Embrace new Technology.
3. Learn new skills and upskill to match high demand roles.
4. Focus on constant learning.
5. Learn to Imagine and visualize.

In short, if you're worried that your job might be outsourced to technology one fine day, the best thing you can do right now is to work on your soft skills. Work on communication, strategic thinking, problem-solving, empathy, and creativity. It might eventually save your career from being taken over by bots, and even get you a pay rise in the near future. So make the right choices and use AI in the right way to stop it from taking over you.

**BY A.STEFFANIE GRACE**
**II CSE-A**

# UNLOCK YOUR FULL POTENTIAL

## The Science of Personal Growth

**"Unveiling the Scientific Secrets of Personal Growth"**

In the grand tapestry of life, personal growth is the thread that weaves the story of our evolution. It's the relentless pursuit of becoming the best version of ourselves, a journey guided by the compass of self-discovery and the lantern of continuous improvement. What if I told you that personal growth is not merely a philosophical ideal but a scientific reality?
Welcome to the realm of "The Science of Personal Growth.

Positive psychology is another cornerstone of the science of personal growth. Unlike traditional psychology, which often focuses on dysfunction and mental illness, positive psychology seeks to understand and promote the positive aspects of human experience, such as happiness, well-being, and personal strengths.

Studies have shown that grit is a better predictor of success than factors like talent or intelligence. When you approach your goals with grit, you're more likely to overcome obstacles, push through difficulties, and ultimately achieve what you set out to do.

**"It does not matter how slowly you go as long as you do not stop"**

## "Your Path to Becoming the Best Version of Yourself"

### The Brain's Remarkable Adaptability

At the heart of personal growth lies the remarkable phenomenon known as neuroplasticity. The human brain, once believed to be a static organ, has revealed its astonishing ability to rewire and reorganize itself in response to learning and experience.

MAHENDRA
BURUGU
Computer
Science
21N31A0533

# The Secret Sauce of Achievement

Angela Duckworth's concept of grit has become a pivotal element in the science of personal growth. Grit is the combination of passion and perseverance toward long-term goals. It's the ability to stay committed to a task or objective, even in the face of challenges and setbacks. Studies have shown that grit is a better predictor of success than factors like talent or intelligence.

When you approach your goals with grit, you're more likely to overcome obstacles, push through difficulties, and ultimately achieve what you set out to do. It's a reminder that personal growth is not solely about innate abilities but also about your determination and perseverance. By incorporating these practices into your life, you can actively promote your own personal growth and happiness.

## The Path Forward

- Set Clear Goals.
- Embrace Lifelong Learning.
- Step Out of Your Comfort Zone.
- Practice Mindfulness.
- Build a Support Network.
- Embrace Failure.
- Celebrate Small Wins.

Personal growth is not a vague concept; it's a scientific reality rooted in the brain's adaptability, the principles of positive psychology, and the power of grit. By understanding the science of personal growth and applying these principles to your life, you can embark on a journey of continuous self- improvement, unlocking your full potential and becoming the best version of yourself.

"Success is not the key to happiness. Happiness is the key to success. If you love what you are doing, you will be successful"

# The power of
## Student organisations in college

While many college brochures and prospectuses focus on rankings, accreditations, program content and curriculum, it can be a lot harder to find out more about the various student societies, clubs and organizationsavailable to students. In recent years, student societies, clubs and organizations have garnered real prominence within business college education. From sport and recreation clubs, to art, culture and theatre groups, community service societies to student government, they all help shape the business college experience for millions of students worldwide and are an opportunity for students to better their professional and personal growth.

Although the idea of joining a student society, club or organization might not be a priority during your first week of the semester, you still might want to take your time to look around and see if there are any societies, clubs or organizations that take your interest.

## Join an organization!!

Meet and make friends with like- minded individuals during your studies you'll meet people in your lectures and your student residence, but there can be no guarantees you'll find people with the same interests and hobbies as you without signing up for clubs or societies. What's more, your ability to network without any conscious effort will improve as well. Depending on which society or club you're a part of, you might find yourself in a position where you're able to make. The majority of student societies, clubs and organizations are chaired by students, who manage and oversee the internal and external activities and events that happen, as well as the funding and allocation of resources and facilities. Each year, students have the opportunity to be elected by their peers to run for committee roles, such as president, vice president, treasurer, raising and giving secretary, wellbeing officer – every role can offer a real sense of achievement.

It's also where you can improve your experience and knowledge of valuable professional skills such as event planning and organization, market research, budgeting – all of which employers seriously value and can help set you up nicely for exciting positions later in life. You'll get out of your comfort zone, having the courage to take that first step and put yourself out there is pretty admirable.

**By Ch-Gayathri**
**III A**

# TURNING SETBACKS TO COMEBACKS

"Don't let setbacks define you, let them refine you for a powerful comeback." Life as a student is a journey filled with highs and lows. Along the way, setbacks are almost inevitable. However, the ability to turn these setbacks into comebacks is a valuable skill that can lead to personal growth, resilience, and success.



The first step in overcoming setbacks is to acknowledge your emotions. It's okay to feel disappointed, frustrated, or even defeated. Allow yourself to process these emotions without judgment. Recognizing how you feel is the first step toward healing. Take a critical look at the setback and try to understand what led to it. Was it a lack of preparation, external factors beyond your control, or a combination of both? Understanding the root causes can help you avoid similar situations in the future.



Once you've analyzed the setback, set realistic and achievable goals for your comeback. Break down your larger goals into smaller, manageable steps. This approach can make the journey to recovery less daunting and more achievable. Every setback carries a lesson. Use setbacks as opportunities for growth and learning. Maintaining a positive mindset is essential for a successful comeback. Instead of dwelling on past failures, focus on your strengths and past achievements. Believe in your ability to overcome challenges. If setbacks are taking a toll on your mental health or well-being, don't hesitate to seek professional help. Colleges and universities often have counselling services

available to students. Your mental and emotional health should always be a priority. Recognize and celebrate your achievements, no matter how small they may seem. Each step forward is a victory on your comeback journey. Celebrating these wins can boost your confidence and motivation.

Setbacks are an inevitable part of life, especially for students who are navigating the complexities of education, personal development, and career goals. By acknowledging your feelings, seeking perspective, setting realistic goals, learning from your mistakes, and maintaining a positive and persistent mindset, you can turn setbacks into powerful comebacks. Each setback is an opportunity for growth, resilience, and ultimately, success. As you apply these strategies, you not only overcome challenges but also emerge stronger and better prepared for future.

By Ch.Siri Lakshmi

III CSE A

**WORKING ON SKILLS**

**WORKING FOR GRADES**

# "THE WORLD DOES NOT NEED ENGINEERING GRADUATES, IT NEEDS SKILLED ENGINEERS."

Let's go eight years back, I was sitting in front the television, watching a man knocking every possible door to earn a minimum wage and prove to his father that he is a 'Skilled Engineer', But unfortunately, none of his trails were fruitful. Yes, It was Raghuvaran B.Tech, the movie which made me realise that 'Engineering was never for me'. However,

## LIFE IS ALWAYS CIRCULAR. WHAT GOES FORWARD, COMES BACK.

As I transitioned into high school, my father got me a computer. My interests changed from Cricket and Carrom to Computers and Science. I started spending my leisure hours with my computer in understanding the critical tasks it can account for. Meanwhile, joining copper wires and mixing solutions in the science lab. I realised that science and computers became an integral part of my life and I had questions like: "How is the colour coming out?", "What is running inside the computer?", which made me choose Engineering over other professional courses. Till date, If I hear the word Engineering, my mind will start tinkering about the yellow hat and some buildings left unconstructed in the back of my mind.

As I did my further research, I realised that there was "No perfect" branch. You can't debate between CSE and ECE. Engineering is not for the branch. It is a once in a lifetime experience which will help you in growing into a greater individual. An Engineer is a passionate hard worker, waking up at 5AM, managing his personal and professional life, travelling far away from home and studying the world's most complex subjects.

It was tough for me to choose between the digital oriented, world's favourite CSE, which led to many great outcomes in the country and ECE which helped the countries economy and people during recessions. Over everything, I chose Passion. The Passion for playing games on a computer and thinking of "How I am able to hit twenty people with a single click."

We cannot decide who is a skilled person based on his branch but can be selected based upon his skills. Every Engineer is a hustler and we cannot debate who is better based on the branch alone. We are here to learn new things, experiment with it and bring a change in society.

**SHAIK AMEER SOHAIL, 23N35A0525**

# "MAYBE CARE A LITTLE MORE?"

- M Shraghvin II CSE-D

We all have that one close person who we always love having around. We constantly interact and sometimes also check things out with them.

Now imagine your mobile or PC in that place. How are they doing?
Anything draining them? Feeling "Lag"-ish?

Keeping our devices safe and clean increases their lifespan by lengths!! Hence giving you more value for the precious money you invested in your beloved device.

But where do you start?
With random antivirus companies trying to trick you to get their expensive plans and your storage space getting consumed by social media apps.

Relax, you can use a few **basic solutions** to improve your device health!

**IN A WORLD FULL OF SCAMMERS TRYING TO FILL UP JUNK, REGULAR CHECKUPS ARE A MUST!**
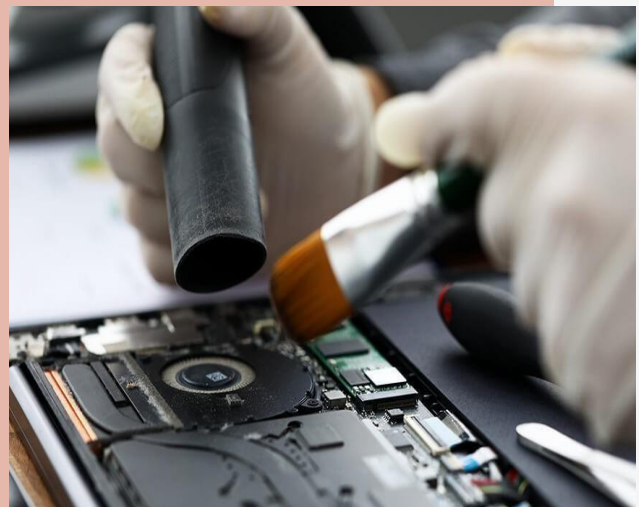
## ÏOR COMPUÏERS

Cleaning out your computer's **junk** is necessary. One can use apps like **CCleaner, Atomic Cleaner** to get that free space.

Updating your **antivirus** frequently keeps your computer safe from the latest threats. Some recommended antivirus softwares are:

- **Bitdefe**
- **nder**
- **Norton**
- **ESET NOD32**
- **Antivirus McAfee**
- **Avira**

*- PCMag and Antivirus Guide 2023*

## ÏOR MOBILES

Similarly clearing out **junk** from our mobile is also necessary. We can use applications like **Google Files** to get that task done and for **antiviruses,** we can use the similar ones from PCs

Keeping your charge in between **20%- 80%** range is the best for **battery health.**

Closing or **stopping** unnecessary **background apps** prevents battery drain.

> **"**
> **Contacting the customer support or visiting the servicing centre of your device's respective manufacturer is the BEST way to find the safest solution for regular maintenance or for solving is ues**
> **"**

Your mobile gifted by your dad or the laptop you always wanted so badly is always one of those special things you will own. But they don't have a mind of their own sooo.....

### MAYBE CARE A LITTLE MORE?

# "It's not engineering, its the experience"

SHAIK AMEER SOHAIL,
23N35A0525

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CLOSE YOUR EYES AND THINK OF "ENGINEER", THINKING OF "YELLOW HAT?" GOT YOU.

...eat future ahead?, Is Mech so tough?, After ...ur years am I be able to employ etc.

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here to learn new things, experiment with it and bring the change in society.

## VISION STATEMENT:

To acknowledge quality education and instill high patterns of discipline making the students technologically superior and ethically strong which involves the improvement in the quality of life in human race.

## MISSION STATEMENT:

To achieve and impart holistic technical education using the best of infrastructure, outstanding technical and teaching expertise to establish the students into competent and confident engineers.
Evolving the center of excellence through creative and innovative teaching learning practices for promoting academic achievement to produce internationally accepted competitive and world class professionals.

# Special Thanks

We extend our heartfelt gratitude to The Principal , Head Of The Department, and the faculty of CSE Department whose  contributions made this college magazine a reality. It is through  their dedication, creativity, and unwavering support  that we  have been able to showcase the vibrant talent within our Department