



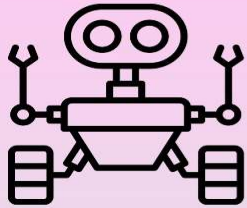
**MALLA REDDY**  
COLLEGE OF ENGINEERING

# MALLA REDDY

## COLLEGE OF ENGINEERING

**EAMCET CODE : MRCE**

Permanently affiliated to JNTUH | Approved by AICTE



Volume 03 Issue 01

# SPACE

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

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A Ravi kiran  
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L Ankitha  
(CSE III year)

### FACULTY ACHIEVEMENTS

Faculty contribution towards R&D, Patents, Books, FDPs, Workshops, Conferences that are achieved will be published in the newsletter

### STUDENT ACHIEVEMENTS

Every student who participates in any of the event anticipates his/her efforts to be manifested. Don't worry!! SPACE got you covered

### DISTINGUISHED ALUMNI

The students who made a difference and achieved greater heights deserve our admiration. Well, we got your back. SPACE exactly does the same for you

### ABOUT THE COLLEGE

Malla Reddy college of Engineering is one of the Institutes under Malla Reddy group of Institutions. MRCE offers B-Tech programs in CSE CSE (AI and ML), CSE(DS), IT and ECE. MRCE believes that education is not just a mere act of teaching learning but should stretch beyond such narrow definitions to inculcate sound Human values and respect for tradition, ethical, disciplined and able to keep pace with the ever advancing technology

### ABOUT THE DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

The Department of Computer Science and Engineering at Malla Reddy College of Engineering is a dynamic and innovative hub of technology and education. We are committed to fostering an environment that encourages creativity, critical thinking, and hands-on learning. Our mission is to equip students with the knowledge and skills needed to excel in the ever-evolving field of computer science and engineering





## Institution Vision & Mission

### Vision

- To emerge as a Centre of Excellence for producing professionals who shall be the leaders in technology innovation, entrepreneurship, management and in turn contribute for advancement of society and human kind.

### Mission

- **M1** : To provide an environment of learning in emerging technologies.
- **M2** : To nurture a state of art teaching learning process and R&D culture.
- **M3** : To foster networking with Alumni, Industry, Institutes of repute and other stakeholders for effective interaction.
- **M4** : To practice and promote high standards of ethical values through societal commitment.

## Department of Computer Science and Engineering

### Department Vision & Mission

#### Vision

- To impart futuristic knowledge in Computer Science and to produce highly skilled, imaginative and socially mindful experts who can contribute to industry and architect research fit for working in worldwide condition.

#### Mission

- To promote strong academic growth by providing fundamental domain knowledge and offering state of art technology for having an excellence in research & development.
- To create an environment for learning analytical skills, advanced programming languages using modern tools and to equip for higher studies.
- To undertake collaborative projects for understanding need of team work in real time environment and to improve communication and inter personnel skills for better employability.
- To promote high standards of ethical values through societal commitment.

**Computer Science & Engineering PO's**  
**Engineering Graduates will be able to:**

- **PO.1.Engineering knowledge:** Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
- **PO.2.Problem analysis:** Identify, formulate, research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
- **PO.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.
- **PO.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.
- **PO.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.
- **PO.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.
- **PO.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.
- **PO.8.Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
- **PO.9.Individual and team work:** Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
- **PO.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.

- **PO.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.
- **PO.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.

### Computer Science & Engineering PEO's

- **PEO1** – To make the students understand and implement the engineering concepts in multiple domains.
- **PEO2** – To provide knowledge based services so as to meet the needs of the society and industry by usage of modern tools.
- **PEO3** – To understand engineering processes for design and development of software components and products efficiently for improving employability.
- **PEO4** – To educate students in disseminating the research findings to create interest for higher studies.
- **PEO5** – To inculcate knowledge with due consideration for ethical and economic issues.

### Computer Science & Engineering PSO's

- **PSO1: Professional Skills:** The ability to understand, analyze and develop computer programs in the areas related to algorithms and System Software.
- **PSO2: Problem Solving Skills:** The ability to apply standard practices and strategies in software project development to deliver a quality and defect free product.
- **PSO3: Employability Skills:** The ability to employ modern computer languages and technologies, so as to be industry ready and for better employability and research.



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9001:2015 Certified Institution.  
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500100

## Department of Computer Science and Engineering

One day guest lecture on “Artificial Intelligence”


(March 24<sup>th</sup> , 2022)



The one-day guest lecture on Artificial Intelligence (AI) was an enlightening event that delved into the transformative world of intelligent machines. Led by an expert in the field, the lecture explored the fundamentals, applications, and ethical considerations surrounding AI. Participants gained valuable insights into machine learning, natural language processing, and computer vision, witnessing the vast potential of AI in shaping the future. The guest speaker, likely an authority in AI, shared real-world examples and case studies, providing a practical understanding of AI's impact across industries. The interactive session fostered engagement, allowing attendees to pose questions and participate in discussions. Overall, the guest lecture on Artificial Intelligence served as a platform for knowledge exchange, inspiring participants to grasp the significance of AI in our evolving technological landscape.

## One day Seminar on “Exposure on Python Programming”

(Feb 26<sup>th</sup> , 2022)



The poster features a green and blue gradient background. At the top left is the Malla Reddy College of Engineering logo. The text is centered and reads: 'MALLA REDDY COLLEGE OF ENGINEERING (Approved by AICTE-New Delhi, Affiliated to JNTUH-Hyderabad)'. Below this is 'Department of Computer Science & Engineering'. The main title is 'One day Seminar on Exposure on Python Programming'. To the left of the title is a calendar icon showing the date 26.02.2022. Below the title, it lists the 'Resource Person : Dr Anjusha, Associate Professor CMRIT, Hyderabad' and the 'Principal : Dr M Sreedhar Reddy , MRCE'. At the bottom, it states 'Venu : Seminar Hall, MRCE, Hyderabad'.

**MALLA REDDY COLLEGE OF ENGINEERING**  
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**Department of Computer Science & Engineering**

**One day Seminar  
on  
Exposure on Python Programming**

26.02.2022

**Resource Person : Dr Anjusha, Associate Professor CMRIT, Hyderabad**

**Principal : Dr M Sreedhar Reddy , MRCE**

**Venu : Seminar Hall, MRCE, Hyderabad**

The one-day guest lecture on Artificial Intelligence (AI) was an enlightening event that delved into the transformative world of intelligent machines. Led by an expert in the field, the lecture explored the fundamentals, applications, and ethical considerations surrounding AI. Participants gained valuable insights into machine learning, natural language processing, and computer vision, witnessing the vast potential of AI in shaping the future. The guest speaker, likely an authority in AI, shared real-world examples and case studies, providing a practical understanding of AI's impact across industries. The interactive session fostered engagement, allowing attendees to pose questions and participate in discussions. Overall, the guest lecture on Artificial Intelligence served as a platform for knowledge exchange, inspiring participants to grasp the significance of AI in our evolving technological landscape.

## One week Workshops on “ Drifts in Cyber Crime”

(September 10<sup>th</sup> , 2021 to September 17<sup>th</sup> , 2021)



The poster has a dark blue and black background with a hooded figure in the foreground. The text is in white and yellow. It reads: 'MALLA REDDY COLLEGE OF ENGINEERING (Approved by AICTE (New Delhi), Permanently Affiliated to JNTUH & Accredited by NBA & NAAC) Recognised under Section 2(f) & 12(B) of the UGC Act 1956, An ISO 9001-2015 Certified Institution.' Below this is 'DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING'. The main title is 'One week Workshops on DRIFTS IN CYBER CRIMES'. It lists the 'Resource Person : Mr Baba Krishna Molugu, Java Developer' and the 'Date : 10-09-21 to 17-09-21'. At the bottom, it states 'PRINCIPAL: DR. M. SREEDHAR REDDY, MRCE' and 'VENUE: SEMINAR HALL, MRCE, HYDERABAD.'.

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**DEPARTMENT OF COMPUTER SCIENCE AND  
ENGINEERING**

One week Workshops on  
**DRIFTS IN CYBER CRIMES**

**Resource Person : Mr Baba Krishna Molugu, Java Developer**

Date : 10-09-21 to 17-09-21

**PRINCIPAL: DR. M. SREEDHAR REDDY, MRCE**

**VENUE: SEMINAR HALL, MRCE, HYDERABAD.**

The one-week workshop on "Drifts in Cyber Crime" was a comprehensive initiative designed to address the evolving landscape of cybersecurity threats and countermeasures. Conducted with the aim of enhancing participants' understanding of cyber threats and defenses, the workshop provided a deep dive into emerging trends and strategies within the realm of cybercrime. Led by industry experts and seasoned cybersecurity professionals, the workshop likely covered a wide array of topics, including the latest cyber attack vectors, threat intelligence, malware analysis, and defensive strategies. Participants had the opportunity to engage in hands-on activities, simulations, and case studies, gaining practical insights into the dynamic nature of cyber threats. The collaborative and interactive nature of the workshop fostered a conducive learning environment, allowing participants to exchange ideas, share experiences, and enhance their skill set. Attendees likely left the workshop equipped with a heightened awareness of current cybersecurity challenges and a strengthened ability to safeguard digital assets against evolving cyber threats. The workshop served as a valuable platform for professionals and enthusiasts to stay abreast of the ever-changing landscape of cybercrime and cybersecurity.

### **Practical Session on “ Data Structures and its algorithms”**

**(August 12<sup>th</sup> 2021)**

**MALLA REDDY COLLEGE OF ENGINEERING**  
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DEPARTMENT OF COMPUTER SCIENCE AND  
ENGINEERING

Practical Session on

**DATA STRUCTURES AND ALGORITHMS**

Resource person : Mrs K Ashwini, Assistant Professor

Date:12-08-2021                      **PRINCIPAL: DR. M. SREEDHAR REDDY, MRCE**

VENUE: SEMINAR HALL, MRCE, HYDERABAD.

The practical session on Data Structures and its algorithms offers participants a hands-on exploration into the fundamental building blocks of efficient programming. Covering a spectrum of data structures such as arrays, linked lists, stacks, and queues, this session delves into their implementation and optimization. Participants engage in coding exercises, honing their skills in designing algorithms for searching, sorting, and manipulating data. The session emphasizes the importance of choosing the right data structure for specific tasks, fostering a deep understanding of algorithmic efficiency. Through practical exercises, attendees gain proficiency in problem-solving and learn to navigate the complexities of algorithmic decision-making. Led by experienced instructors, this practical session provides a dynamic learning

environment where participants can apply theoretical knowledge to real-world scenarios, preparing them for challenges in software development.

### JOURNAL LIST 2021-2022

S.NO	YEAR	NO. OF JOURNALS	Scopus	UGC
1	2021-2022	6	2	4

S.No	Title Of The Paper	Name Of The Author	Name Of The Journal	Year Of Publication	ISBN/ISSN NUMBER	Indexed
1	A Recent Survey On Classification Of Rumours On Social Media Domain Using ML Approaches	Dr J Gladson	ICAISC	2021	978-93-92537-02-8	Scopus and Springer
2	Reliable Utilization Of Ai And Iot For Agriculture Applications	Dr J Gladson	ICAICTAR	2021	978-93-92537-00-4	Scopus and Springer
3	A Survey On Impact Of Ai And Social Media For Rural Development In India	Dr J Gladson	ICAICTAR	2021	Isbn No: 978-93-92537-00-4	
4	Automated Ai Based Attendance Monitoring System Using Face Recognition Scheme	Dr J Gladson	ICAICTAR	2021	978-93-92537-00-4	UGC
5	Cobalt Ferrite Magnetic Nanoparticles As Highly Efficient Catalyst For The Mechanochemical Synthesis Of 2-Aryl Benzimidazoles	Dr Sunil Tekale	ICAICTAR	2021	2345-5467	UGC
6	Cobalt Ferrite Magnetic Nanoparticles As Highly Efficient Catalyst For The Mechanochemical Synthesis Of 2-Aryl Benzimidazoles	Dr Sunil Tekale	ICTACT JOURNAL	2021	2345-5467	Scopus



### Patent Filed/Published

1	202241022044	An Reliable IoT Based Automatic Door Buzzer Alert for Home Security Systems	2021-2022	Published
2	202241005110	Intelligent Parking System with Cost Analysis for The Customer	2021-2022	Published
3	202241006001	Artificial Intelligence Based Smart Car Parking Avoider	2021-2022	Published
4	202241000927	AI Based Smart Automated Attendance Monitoring System Using Face Recognition with Wuhan Virus Security Measures	2021-2022	Published
5	359953-001	Space rover driven by artificial neural network model	2021-2022	Published