



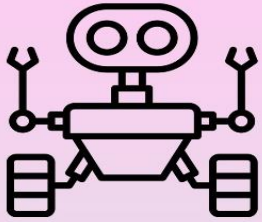
**MALLA REDDY**  
COLLEGE OF ENGINEERING

# MALLA REDDY

## COLLEGE OF ENGINEERING

**EAMCET CODE: MRCE**

Permanently affiliated to JNTUH | Approved by AICTE



Volume 04 Issue 01

# SPACE

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

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### 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.



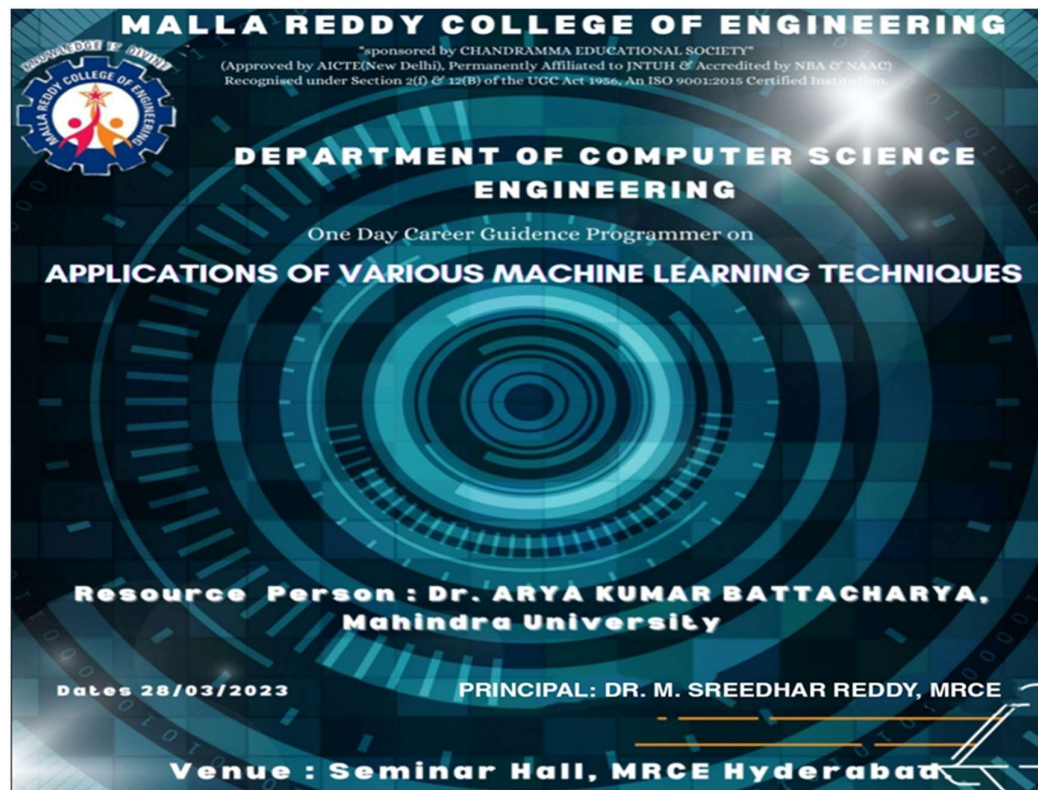
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Maisammaguda, Dhulapally, post via Kompally, Secunderabad –  
500100

## Department of Computer Science and Engineering

Guest Lecture on

**Applications of various Machine Learning Techniques**

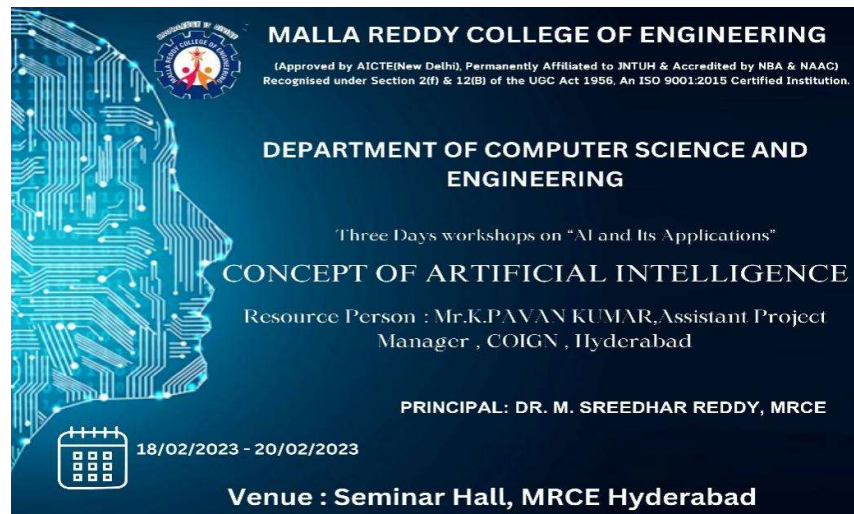
(March 28<sup>th</sup> , 2023)



In this one-day guest lecture, we will explore the impactful applications of diverse machine learning (ML) techniques across industries. From healthcare to finance, supervised to unsupervised learning, and reinforcement learning, we will uncover how ML is transforming data into actionable insights. The day will commence with an overview of machine learning, emphasizing its role in pattern recognition and data-driven decision-making. We will then delve into supervised learning's applications in healthcare, showcasing its role in disease prediction and personalized treatment.

## Three Days workshops on “AI and Its Applications”

(Feb 18<sup>th</sup> to 20<sup>th</sup>, 2023)



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**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

Three Days workshops on “AI and Its Applications”  
**CONCEPT OF ARTIFICIAL INTELLIGENCE**

Resource Person : Mr.K.PAVAN KUMAR,Assistant Project Manager , COIGN , Hyderabad

PRINCIPAL: DR. M. SREEDHAR REDDY, MRCE

18/02/2023 - 20/02/2023

Venue : Seminar Hall, MRCE Hyderabad

The three-days workshop on AI and its applications is set to provide an enriching and immersive experience for participants eager to explore the vast landscape of Artificial Intelligence. Commencing with a foundational introduction, attendees will grasp the fundamental principles of AI, including machine learning and neural networks. Moving beyond theory, the workshop will spotlight real-world applications across industries such as healthcare, finance, and manufacturing. Expert speakers will delve into impactful case studies, illustrating how AI is reshaping processes and solving complex challenges in today's dynamic environment.

## One Day Seminar on “ Exposure on Multimedia Applications and Opportunities”

(Feb 28<sup>th</sup> , 2023)



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**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

One Day Seminar on Exposure on Multimedia Applications and Opportunities

**MULTIMEDIA APPLICATIONS AND OPPORTUNITIES**

Resource Person: Mr.Rajkumar,Senior Programmer,ALML Technogym , Hyderabad

PRINCIPAL: DR. M. SREEDHAR REDDY, MRCE

28/02/2023

Venue : Seminar Hall, MRCE Hyderabad

On February 24, 2023, an insightful one-day seminar titled "Exposure on Multimedia Applications and Opportunities" took place, featuring Mr. Rajkumar, a seasoned Senior Programmer from ALML Technogym, Hyderabad, as the distinguished resource person. The seminar, held from 10:00 AM to 3:30 PM, provided an in-depth exploration of multimedia applications and the vast opportunities within the field. Mr. Rajkumar commenced the seminar with a comprehensive overview of multimedia, highlighting its diverse applications in various industries. He delved into the latest trends, technologies, and emerging opportunities, offering valuable insights into the dynamic landscape of multimedia. Throughout the day, participants gained exposure to practical aspects of multimedia development, with Mr. Rajkumar sharing his expertise and real-world experiences. The session covered topics such as multimedia programming, interactive applications, and the integration of multimedia in diverse sectors, fostering a comprehensive understanding of the field.

### 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
<b>TOTAL</b>				<b>6</b>		

### CONFERENCE LIST 2022-2023

S.NO	YEAR	NO. OF CONFERENCES	IEEE	International	Springer	Scopus, Elsevier
1	2022-23	5	1	2	1	1

S.NO	Name Of The Faculty	Title Of The Paper	Name Of The Conferen ce	Year Of Publi catio n	ISBN Number Of The Proceeding	Name Of The Publisher
1	Dr. Vishnu Kumar Mishra	An Integrated Technique for Security of Cellular 5G-IoT Network Healthcare Architecture	Pervasive Computin g and Social Networki ng	2022	Electronic ISSN2367- 3389	Scopus, Elsevier
2	Bhoopathy, V	Smart Design and Implementation of Home Automation System Using WIFI	Internatio nal Conferenc e on Augmente d Intelligen	2022	978- 166548962- 1, ICAISS 2022	Institute Of Electrical and Electronics Engineers Inc.



			ce and Sustainable Systems, ICAISS 2022			
3	Bhoopathy Varadharajan	Effective Intrusion Detection and Classification Using Fuzzy Rule Based Classifier in Cloud Environment	IEEE	2022	978-1-6654-6084-2	IEEE
4	Dr J Gladson	A Review on Food Image Classification Using Emerging ML Techniques	AICTE Sponsored 7th International Conference on Signal Processing, Communications & System Design	2022	978-93-90631-95-7	ICSPCOMSD-2022
5	Dr J Gladson	Deep Convolutional Neural Networks-Based Market Strategy for Early-Stage Product Development	Scopus Indexed LNNS Springer Proceedings Of 10th International Conference in Innovations in Computer Science & Engineering	2022	978-981-19-7455-7	Springer
<b>TOTAL</b>					<b>5</b>	

