Vol – 1 Issue – 1   **2021-2022**

MALLA REDDY INSTITUTE OF TECHNOLOGY AND SCIENCE

Department of CSE(Artificial Intelligence & Machine Learning)

News Letter

2021-2022

CSE(AI&ML) News Letter

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About the College

Malla Reddy Institute of Technology and Science (MRITS) is an institution comfortable with the unique model of the technical education where the discovery, dissemination and application of knowledge are synergistically balanced. It is a part of larger societal systems and dynamically fuelled by the process of involvement – involvement in the needs of individuals; involvement in the nurturing of inquisitive minds; involvement in the transfer of ideas from the campus to the marketplace and beyond. The creation of new knowledge that will benefit future technological society is at the heart of our mission. In order to achieve a position of educational leadership, our institution fosters an atmosphere of intellectual excitement among faculty, staff and the greater student community.

Quality Policy

An effective source of technical manpower for the nation and to contribute to the growth of the nation by constantly upgrading the quality of technical education by meeting the challenging needs of the society and effectively coordinating the activities of the staff, students and the industry while keeping the ethical and moral standards required.

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MALLA REDDY INSTITUTE OF TECHNOLOGY & SCIENCE
(SPONSORED BY MALLA REDDY EDUCATIONAL SOCIETY)
Affiliated to JNTUH & Approved by AICTE, New Delhi
NAAC with 'A' Grade, NBA Accredited, ISO 9001:2015 Certified, Approved by UK Accrediation Centre
Granted Status of 2(f) & 12(b) under UGC Act, 1956, Govt. of India.

DEPARTMENT OF CSE(ARTIFICIAL INTELLIGENCE & MACHINE LEARNING)

Chairman Message:

I am happy to inform that the department of Computer Science and Engineering of MRITS is publishing their department newsletter for the academic year 2021-2022. I commend and appreciate the efforts taken by faculty and students to enhance the quality of academics in the college MRITS moreover the credentials and proven strengths to initiate much an indispensable academic activity.

Dr.C.H.Badhra Reddy

Message from Principal Desk

It is my pleasure in congratulating the department of CSE(AI&ML) on the pleasant occasion of releasing the newsletter for the period 2021-2022. It is great to find a considerable number of winners and participants in cocurricular and extracurricular activities which certainly prove that our staff and students are adequately equipped and posses necessary skill sets to bring such laurels to the institution.
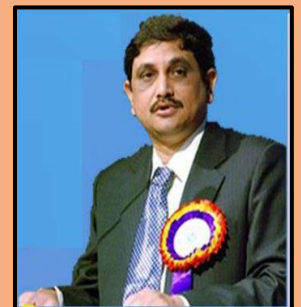
Dr.K.Ravindra

Message from HOD:

I welcome all students and faculty who come up with such wonderful initiation. It has been interesting and busy year for the members of the department. The CSE(AI&ML)

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department has conducted a number of successful events including workshops, Guest Lectures, National Level Symposium and Conference. I invite all the readers to share this newsletter with your friends and contribute more in future.

Dr. N Vinaya Kumari

MISSION AND VISION OF THE DEPARTMENT

Mission

- To impart knowledge through the state-of-the-art concepts and technologies in   AI and ML by adapting rigorous Teaching Learning process.
- To encourage students' all-round professional growth, by inculcating moral values and leadership abilities, so as to deal with societal issues.
- To educate the students in fundamental principles of computing and develop the skills needed to solve practical problems using contemporary computer-based technologies
- To provide necessary strengths and develop self-learning ability among the student to Improve innovative Thinking and become entrepreneurs.

Vision

To be in the frontiers of CSE (AI & ML) with academic excellence and research so as to produce technically competent and socially responsible engineers.

Programme Educational Objectives

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PEO1: Possess essential professional engineering skills that make them confident to develop high-quality AI solutions for various application domains under realistic constraints.

PEO2: Demonstrate the importance of life-long learning through professional development,computing practices, and specialized certifications.

PEO3: Engage and succeed in their professional careers through team work, ethical behavior, proactive involvement, and effective communication.

Programme Specific Outcomes:

PSO1: Design and development of software applications by using data mining techniques.

PSO2: Enrichment of graduates with global certifications to produce reliable software solutions.

Program Outcomes:

Engineering programmes offered by MRITS demonstrate that their students attain the following outcomes:

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.

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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.

Staff Achievements

Paper Publications by Faculty:

1. Dr. V. Senthil Kumar has published an article "An Application of a Deep Learning Algorithm for Detection of Accidents under bad CCTV Monitoring Conditions in Tunnels using ODTS &R-CNN" in Emperor Journal of Applied Scientific Research, ISSN No. 2581-964X(O) during 2022.

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2. Dr. M Jaganathan has published an article "IoT based Smart System to Monitor and Control Electrical Appliances" INDIA, Application No.202141046121 A, 2022.

3. Dr. V. Senthil Kumar has published an article "IoT based Smart System to Monitor and Control Electrical Appliances" INDIA, Application No.202141046121 A, 2022.

4. Dr. M Jaganathan has published an article "A computer vision system to aces autism and its symptoms using AL based technology" in INTELLECTUAL PROPETY INDIA, Application No.202241044108, 2022

5. Dr. V. Senthil Kumar has published an article "A computer vision system to aces autism and its symptoms using AL based technology" in INTELLECTUAL PROPETY INDIA, Application No.202241044108, 2022.

Book Chapters Publications by Faculty

1.Dr. V. Senthil Kumar has published an article "Machine Learning" in Scientific International Publishing House, National , ISSN No. 978-93-5625-248-7, during 2022.

2. Dr. M Jaganathan has published an article "Fundamental Of Open Source Software Using Linux" in Centivens Institute Of Innovative Rese Arch National , ISSN No. 978-93-5625-248-7, during 2022.

3. Dr. M Jaganathan has published an article "Machine Learning" in Scientific International Publishing House, National , ISSN No. 978-93-5625-248-7, during 2022.

Seminar Conducted

Seminar on "Containers and Cloud native Applications" on 25/10/2021 & Number of participants is 40.

Workshop conducted

Two Day Workshop on "Cyber Security & Ethical Hacking" on 29/06/2022 To 30/06/2022 & Number of participants is 40.

ISTE STUDENT CHAPTER CONDUCTED
SPERANZA(Non-Technical)
EVENT DATE:-5th,6th,7th DECEMBER 2021

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ROUND NUMBER	ROUND NAME	START TIME	END TIME
1	QuizzyFizzy(Virtual)	12:00pm	12:30pm
2	Time of Spellen(Virtual)	7:00pm	7:20pm
3	Squid Game(Offline)	1:00pm	3:30pm

- ISTE student chapter conduct "SPERANZA" on 5th,6th&7th December 2021 non-technical (Virtual& Live)event consisting of 3 Rounds i.e., QUIZZY FIZZY, TIME OF SPELLEN, SQUID GAME i.e., Event starts from 11AM to Ends with 4:30pm & Winner Announcement done by 4.00pm

WINNER OF SPERANZA(2021-22)

NAME	EMAIL	YEAR
➢ Rakesh ➢ Akash ➢ Ganga prasad	chintu103706@gmail.com	1ST YEAR

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TRIVIA

ISTE student chapter Event "TRIVIA" collaboration with JNTUH on 24th March 2022

TRIVIA SCHEDULE

EVENT DATE:-24thMARCH 2022.

EVENT START TIME:-11AM .

ROUND NUMBER	ROUND NAME	START TIME	END TIME
1	On spot quiz competition	11:30pm	12:30pm

- ISTE student chapter conduct an event "TRIVIA" on 24thMarch 2022 is a **ON SPOT QUIZZ COMPETETION"** in collaboration with JNTUH ie., Event starts from 11AM to Ends with 12:30pm

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MIND SPARK

ISTE student chapter conduct an Event "MIND SPARK" Technical Event on 20th& 21stApril 2022.

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MIND SPARK SCHEDULE

EVENT DATE:-20th& 21st April2022

EVENT START TIME:-10A

ROUND NUMBER	ROUND NAME	START TIME	END TIME
1	BRAINZEE	10:30pm	1:30pm
2	TALENTIA	2:00 pm	9:00 am
3	PREZENTO	10:00 am	12:00 pm

- ISTE student chapter conduct "MIND SPARK" on 20th& 21stApril 2022 is a technical event with spot on Certificates for participants ie., Event starts from 10AM to Ends with 2:30pm & Winner Announcement done by 2.00pm

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NSS Activities

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S.No	A.Y	Event	Venue	Date	Number of Participants
1	2021-22	International Yoga Day	online	21/06/2021	75
2	2021-22	Telengana Ku Haritha Haram	MRITS	24/07/2021	50
3	2021-22	Independence Day	MRITS	15/08/2021	25
4	2021-22	Fit India Movement	MRITS	23/09/2021	70
5	2021-22	NSS Annual Day	MRITS	24/09/2021	60
6	2021-22	National cancer Awareness	MRITS	07/11/2021	90
7	2021-22	International Tolerence And Peace	MRITS	16/11/2021	80
8	2021-22	National Constitution Day	MRITS	26/11/2021	100
9	2021-22	Traffic Awareness	MRITS	26/11/2021	120

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10	2021-22	ISKCON	MRITS	26/11/2021	90
11	2021-22	AIDS DAY	MRITS	26/11/2021	85
12	2021-22	Blood Donation Camp & Blood Grouping	MRITS	03/12/2021 – 04/12/2021	77
13	2021-22	**Youth Led Campaign On Know Your Constitution** ➢ Pledge/OathTaking-Reading OfPremble Of Constitution ➢ Translation Of Oath In Regional Languages ➢ Cleanliness Drivers ➢ Know Your Constitution – Talk By Experts On Indian Constitution ➢ Knowledge Competitions – Essay Writing competitions	MRITS	28/12/2021	123
14	2021-22	Swatch Bharat	MRITS	28/12/2021	96
15	2021-22	NATIONAL YOUTH DAY	Online	12/01/2022	55
16	2021-22	REPUBLIC DAY	MRITS	26/01/2022	20
17	2021-22	WOMENS DAY	MRITS	08/03/2022	120

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FIT INDIA MOVEMENT

NSS ANNUAL DAY-2021

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NATIONAL CANCER AWARENESS DAY

INTERNATIONAL DAY FOR TOLERANCE & PEACE

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NATIONAL CONSTITUTION DAY

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TRAFFIC AWARNESS

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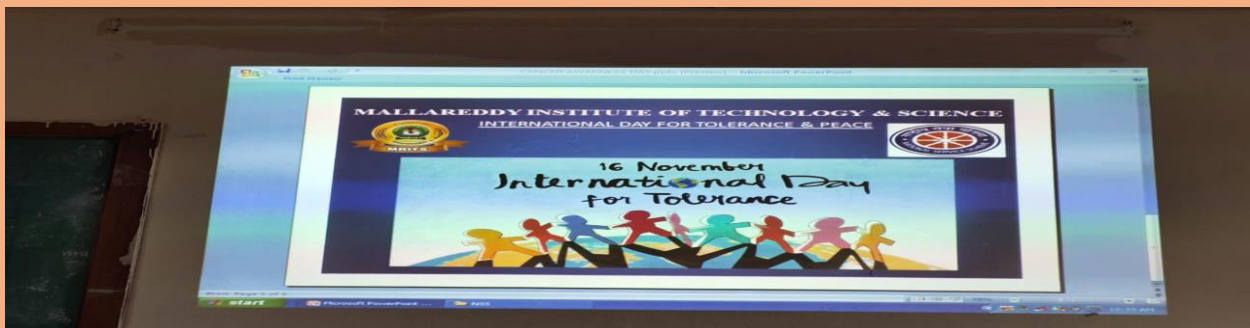
<u>ISKCON</u>

INTERNATIONAL SOCIETY FOR KRISHNA CONSCIOUSNESS

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WORLD AIDS DAY
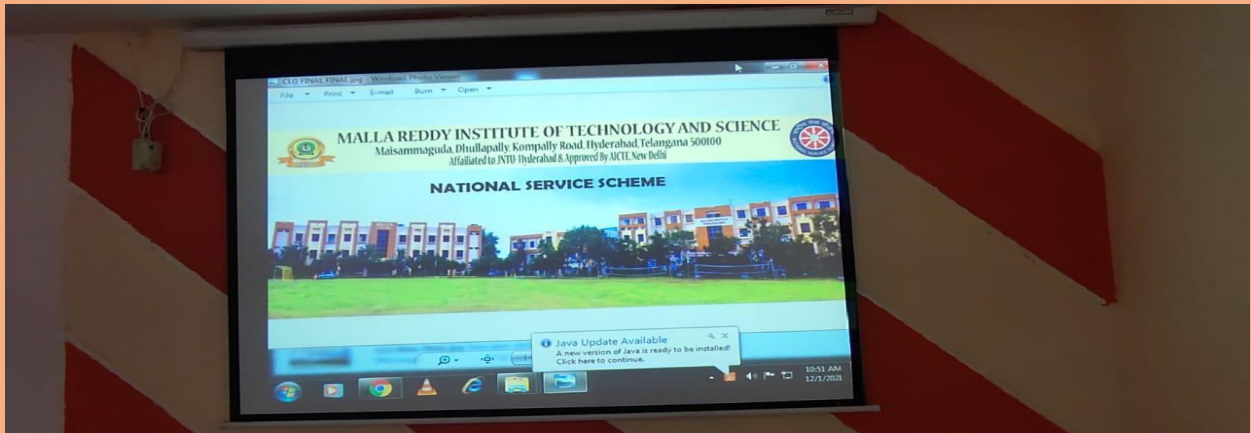
BLOOD GROUPING

INTERNATIONAL WOMEN'S DAY

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