

# MALLA REDDY INSTITUTE OF TECHNOLOGY AND SCIENCE

(Sponsored by Malla Reddy Educational Society)

Permanently Affiliated to JNTUH & Approved by AICTE, New Delhi

NBA & NAAC Accredited Institution, An ISO 9001:2015 Certified, Approved by UK  
Accreditation Centre

Granted Status of 2(f) & 12(b) under UGC Act. 1956, Govt. of India



# CSCE (MS)

## Computer Science and Engineering

### News Letter

### 2021-2022

# CSE(DS) News Letter

2021-2022

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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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## COMPUTER SCIENCE AND ENGINEERING(DATA SCIENCE)

### *Chairman Message:*

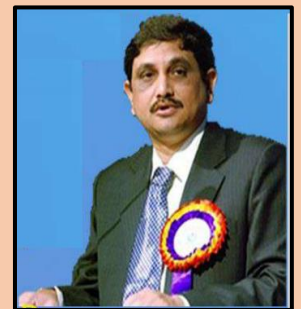
I am happy to inform that the department of Computer Science and Engineering of MRITS is publishing their department newsletter for the academic year 2019-2020. I commend and appreciate the efforts taken by faculty and students to enhance the quality of academics in the college MRITS moreover has the 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 on the pleasant occasion of releasing the newsletter for the period 2019-2020. It is great to find a considerable number of winners and participants in cocurricular and extra curricular activities which certainly prove that our staff and students are adequately equipped and possess 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 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. T. SRIKANTH**

# MISSION AND VISION OF THE DEPARTMENT

## *Mission*

- To lay a strong foundation of programming knowledge by concentrating on fundamental concepts of Computer Science and Engineering..
- *To develop flair for logical thinking and innovative method to produce software solution*
- strengthen employability and entrepreneurship skills.
- Produce socially responsible software professional with ethical values

## *Vision*

- *Achieve academic excellence and research in the field of data science at the national and global levels*

## *Programme Educational Objectives*

**PEO1:** The graduates of the program will understand the concepts and principles of Computer Science and Engineering inclusive of basic sciences.

**PEO2:** The program enables the learners to provide the technical skills necessary to design and implement computer systems and applications, to conduct open-ended problem solving, and apply critical thinking.

**PEO3:** The graduates of the program will practice the profession with work effectively on teams to communicate in written and oral form, ethics, integrity, leadership and social responsibility through safe engineering leading them to contribute their might for the good of the human race.

**PEO4:** The program encourages the students to become lifelong activity and as a means to the creative discovery, development, and implementation of technology as well as to keep up with the dynamic nature of the Computer Science and Engineering discipline.

### *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.
- 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.

### *CSE(DS) News Letter*

**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. T. Sruthi published an article "TO SECURE ONLINE MONITORING FOR DIGITALIZED GIS FORM CYBERATTACKS USING IOT AND MACHINE LEARNING BASED ON IOT AND MACHINE LEARNING " IN IJAEMA JOURNAL, VO LUM E I, ISSU E IV , April-2022,ISSN: ISSN NO: 0886-9367

### *PATENTS:*

Title	Faculty Name	Dept.	Patent Service	Serial No.
TUBERCULOSIS DETECTION USING ARTIFICIAL INTELLIGENCE (AI)	Dr. T. Srikanth	CSE(DS)	IPRINDIA SERVICES <a href="https://ipindiaservices.gov.in/PatentSearch/PatentSearch/ViewApplicationStatus">https://ipindiaservices.gov.in/PatentSearch/PatentSearch/ViewApplicationStatus</a>	202241001179 A

## **FDP Attended by Faculty Members**

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 Tolerance 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
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	<b>Youth Led Campaign On Know Your Constitution</b> <ul style="list-style-type: none"> <li>➤ Pledge/Oath Taking-Reading Of Premble Of Constitution</li> <li>➤ Translation Of Oath In Regional Languages</li> <li>➤ Cleanliness Drivers</li> <li>➤ Know Your Constitution – Talk By Experts On Indian Constitution</li> <li>➤ Knowledge Competitions – Essay Writing competitions</li> </ul>	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



# FIT INDIA MOVEMENT



# NSS ANNUAL DAY-2021



## NATIONAL CANCER AWARENESS DAY



**W**E ARE THE STUDENTS OF NSS MRITS CONDUCTED AN EVENT "TRAFFIC AWARENESS" AT MRITS COLLEGE ON 26-11-2021

# ISKCON

INTERNATIONAL SOCIETY FOR KRISHNA CONSCIOUSNESS



WE ARE THE STUDENTS OF **NSS MRITS** CONDUCTED AN EVENT

**“ISKCON”** AT MRITS COLLEGE ON **26-11-2021**

# WORLD AIDS DAY



WE THE STUDENTS OF **NSS MRITS** CONDUCTED AN EVENT ON  
**WORLD AIDS DAY** ON 01-12-2021 AT MRITS COLLEGE.

## BLOOD DONATION CAMP



WE THE STUDENTS OF NSS MRITS CONDUCTED AN EVENT **BLOOD DONATION CAMP** AT MRITS COLLEGE ON **03-12-2021** HOSTED BY PRINCIPAL **K.RAVINDRA GARU** WITH THE HELP OF **JANANI BLOOD BANK**

## BLOOD GROUPING

