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

IT IANS

Computer Science and Engineering

News Letter

2019-2020

IT 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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INFORMATION TECHNOLOGY

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 har 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 IT 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 posses necessary skill sets to bring such laurels to the institution.

Dr.K.Ravindra

Message from HOD:

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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 IT 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.A. *Viswanathan*

MISSION AND VISION OF THE DEPARTMENT

Mission

- SymposiumTo lay a strong foundation of programming knowledge by concentrating on fundamental concepts of Information Technology.
- To develop flair for logical thinking and innovative methods to produce software solutions.
- To strengthen employability and entrepreneurship skills.
- To produce socially responsible software professionals with ethical values.

Vision

- To empower Computer Science Engineers as technologically adept, innovative, self-motive and socially responsible professionals by providing multi-dimensional education.

Programme Educational Objectives

PEO1: The graduates of the program will understand the concepts and principles of Information Technology 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.

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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.

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. S.Md.Mujeeb has published an article "An Inception towards better Big Data clustering Technique" in International Journal of Engineering and Advanced Technology (IJEAT), ISSN: 2249 – 8958 during 2019.
2. G G S Pradeep has published an article "A Review on Breast Cancer Data Repository" in International Journal of Research, ISSN: 2348-795X, 2019.

3. N Vinaya Kumari has published an article "Smart computation based smart card information using rail management system" in Journal of Engineering Sciences, ISSN NO: 0377-9254, 2019.

4. N Vinaya Kumari has published an article "Identifying Fraudulent Data and Fake Account Profiles Analysis In Examination for Providing Security in Online Dating Site" in IEEE Xplore, Vol.7 No.1, 2020

5. A Venugopal Rao has published an article "The Comprehensive Survey on Fourth Industrial Communication Strategy Revolution of IoT" in International Journal of Engineering and Advanced Technology (IJEAT), ISSN: 2249 – 8958, 2019.

6. Dr A Viswanathan has published an article "Fraudulent data detection of credit card by using random forest method to calculate roc and confusion matrix" in Journal of Advanced Database Management & Systems, ISSN: 2393-8730, 2019.

7. S Monika has published an article "Self-adaptive random generated certificateless signcryption identity with load balancing for secured cloud data communication" in International Journal of Business innovation and Research, Volume-8 Issue-10, 2019.

NSS Activities

Cancer Awareness 5k run

MRITS-NSS unit has participated in 5k run for fund raising awareness about cancer conducted by ISKCON, Kukatpally on 03/02/2019 at people's plaza, necklace road.

Ethical voting Awareness session:

MRITS-NSS unit has participated in ethical voting awareness session conducted by samskruthi foundation at MRCE. The main motto of the session is

raising awareness on

2019-2020

importance of each and everyone's vote for our bright future.

Youth for Climate Change Workshop:

MRITS-NSS unit has participated in 5 days workshop on youth for climate change conducted by JNTUH at UGC auditorium.

Symposium and Workshops

National Level Technical Symposium

Furcatez-2020

Students spell magic on stage as they put up performances of technical and non-technical. Audience members get on their feet – not to groove, but also to give standing ovation.

Such was the air – electric and full of energy – at furcatez 2020, the national technical event of Mallareddy Institute of Technology and Science, Hyderabad. Totally more than 1500 students from 60 colleges participated in Online. However, these fests are more than just a platform to compete and enable confluence of talent.