

# **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



## **CSE (CS)**

**Computer Science and Engineering  
(Cyber Security)**

**News Letter**

**2022-2023**

# CSE(CS) News Letter

2022-2023

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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 (CYBER SECURITY)

### *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(CS) 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. Y. Madhusekhar**

# MISSION AND VISION OF THE DEPARTMENT

## *Mission*

- To produce successful Computer Science and Engineering (Cyber Security) graduates with personal and professional responsibilities and commitment to lifelong learning.
- To develop self-learning abilities and professional ethics to serve the society.
- To impart knowledge in cutting-edge data security technologies on par with industrial standards.
- To educate and train the future leaders of cybersecurity and privacy in academia, government, and industry.

## *Vision*

- Excellence and leadership in the educational, professional and research fields of cyber security at the regional and global level. A commitment to effectively meet the needs of the society.

## *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.

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#### *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.

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**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.

## NSS Activities

### *INTERNATIONAL WOMENS DAY*

**NSS MRITS** conducted an event "*international women's day*" at MRITS college on **08-03-2022** hosted by Principal **Dr. K. Ravindra garu** and our chief guest **Dr. Indra rani garu**

And she presented the prizes for winners and runners for women's who participated in sports and games.

