

# **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 IAS**

## **Information Technology**

### **News Letter**

### **2020-2021**

# IT News Letter

2020-2021

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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:*

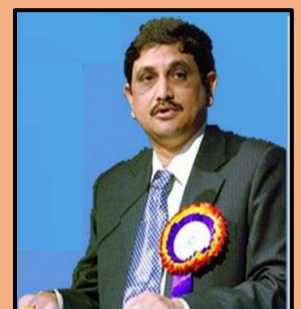
I am happy to inform that the department of Computer Science and Engineering of MRITS is publishing their department newsletter for the academic year 2019-2020. I commend and appreciate the efforts taken by faculty and students to enhance the quality of academics in the college MRITS moreover has the 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.A. Viswanathan**

## **MISSION AND VISION OF THE DEPARTMENT**

### *Mission*

- To provide outcome-based education through well-designed curriculum, innovative teaching, collaborative learning and industry interaction.
- To impart the necessity of continuing education in order to grow proficiently in the focused areas.
- To inculcate the leadership capabilities, ethical values and professional behaviour to face the challenges in global market.

### *Vision*

- The department of Information Technology strives to become a pacesetter in nurturing graduates to be promising problem solvers, researchers innovators and entrepreneurs with self discipline and ethical values.

### *Programme Educational Objectives*

PEO1: To ensure graduates professional skills in utilizing fundamental knowledge of basic sciences, mathematics and information technology for the application relevant to industrial and social needs.

PEO2: To enable graduates to think logically to have the capacity to understand technical issues and to develop optimal solutions to excel in Career development, Higher studies and Entrepreneurship related to Information Technology.

PEO3: To train graduates to secure placements in IT related companies, establish themselves as valued professional to meet diversified needs of industry, academics and research through life-long learning.

### *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. Dr. J.Vignesh has published an article “improve design and analysis of friend (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.

# 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 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 Malla reddy 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.

The logo of MRITS (Malla Reddy Institute of Technology & Science) is centered in the background. It features a circular emblem with a book and a torch, surrounded by text including 'NBA ACCREDITED', 'NAAC ACCREDITED', and 'MRITS'.

## Placements Details

<i>Student Name</i>	<i>Company Name</i>
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SAI PAVAN REDDY	IBM
SAI DIVYA GORTI	TCS
MEGHANA REDDY SHERI	TCS
NIHARIKA GUNDLA	TCS
NAVEEN KUMAR MARRIPUDI	TCS
MEGHANA VANGAPELLI	DXC Technologies
NIHARIKA PILLUTLA	DXC Technologies
PUNITH REDDY PURITIPATI	DXC Technologies
RACHANA JANGA	DXC Technologies
RAJU NANDIKONDA	DXC Technologies
RAMYA VENNA	DXC Technologies
RENUKA GOPI	DXC Technologies
RUDRA L	DXC Technologies
SAI KUMAR KATTA	TechMahindra
SAI KUMAR RAVOLU	TechMahindra
UMESHCHANDRA	TechMahindra
VAISHNAVI NAMALA	TechMahindra
VEDACHARAN APPAM	TechMahindra
VENKATESH GOODURI	TechMahindra
ANUSHA GOLI	TechMahindra
BALA SAI TEJA VARRE	Capgemini
GREESHMA GOPIDI	Capgemini
HRUTHIK VURUKONDA	Capgemini
JOSEPH JOED PAUL	Capgemini
KUNAL ANDELA	Capgemini
MANASA SOLLETI	Capgemini