EMPOWERING THROUGH INNOVATIONS
MLRS

ZENITH

E.C.E.MLRITM

Tech Magazine of The Department of Electronics and Communication Engineering

Jan 2019 – June 2019
Volume-2

CHAIRMAN MESSAGE

The pride of every student and staff would be in his/her college. A college magazine reach heights of glory but without materials like a college magazine the outside world may not know of it. The role of a college magazine is to promoting what an institution offers. It brings out into the open things which are unrevealed. It brings to light the names of the unsung heroes and their mighty deeds. I am happy that there is a dedicated team of staff and students who have brought out the magazine of our college. They have presented the stupendous achievements of Marri Laxman Reddy Institute of Technology & Management in the fields of academies, research, sports and extra-curricular activities, in a nice way. Dazzle represents the collective work of team. I wish the magazine a grand success.

PRINCIPAL MESSAGE

It is a great pleasure to see the creative expressions of students who had contributed to ZENITH. MLRITM has grown abundantly in the recent past. It continues to sustain its growth. People reading this magazine will realize the tremendous changes that are happening in the MLRITM campus. The magazine is presenting a glimpse of the growth of the institution on many fronts. The college has been simply unstoppable in its progress as it has been actively involved in various activities that have brought to light the hidden talents of the college students and staff. The highly qualified and dedicated members of staff have always stood shoulder with the management and have carried out their duties with a level of commitment. This magazine has recorded achievements of staff members and students. They stand as a witness to the monumental efforts taken by the management to make the college a center of excellence in education and research. I wish the management, staff and students of the college success in their future endeavors.
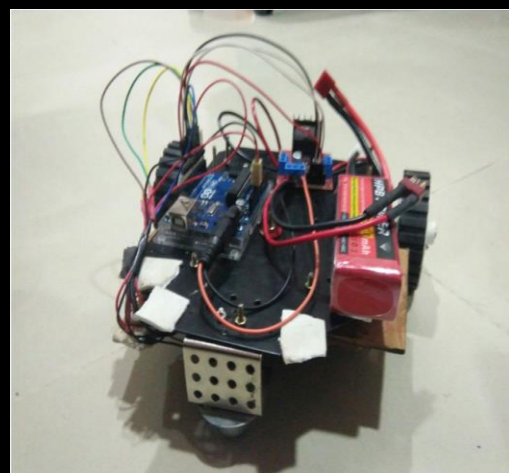
HOD MESSAGE

I am happy to learn that MLRITM College of Engineering is coming out with the half yearly college magazine. Efforts such as this will provide an opportunity for the staff and students to showcase their talents in technical writing, essay and poetry writing, sketching and drawings, among others. Such value additions are very much essential for the young technocrats, engineers and scientists, who the college products, to demonstrate their ideas for a developed India. I sincerely appreciate and congratulate the Chairman, Principal, the editorial team and the entire management of the college for their unrelenting efforts in compiling this magazine.

Tech Fest – UTHKRISHT 2019

Students participating in Tech Feast

Students from final year ECE have secured first place in CAR – WRESTLING competition organized by Tech Fest – UTHKRISHT 2019, MLRITM

Student Achievements

Name of the student	Conf/ Fest organized by institutes	Event	Place	Date	Awards/ Prizes
Vijay Anvesh harsh	Tech fest	Mobile control Robotics	Osmania university	2nd Mar,2019	3rd
Soujanya Sowmya Sushma	Tech fest	Mobile control Robotics	Osmania university	02nd Mar, 2019	2nd
P Monogna S pranavi A poojitha	Tech fest	Mobile control robotics	Osmania university	02nd Mar,2019	1st
Sushmitha E mannasa V manasa Sai kiran	Tech Fest	Line follower	Osmania university	02nd Mar,2019	3rd
Chenna krishna jagadeesh	Tech Fest	Line follower	Osmania university	02nd Mar,2019	2nd
P. Sai monohar Pradeep Shashikanth Kesava Prakash Vinil reddy	Volorous tech fest	Robo Pirates	MLRIT	23rd Mar,2019	1st

Industrial Visits

Students of III year B.Tech ECE have gone for an Industrial visit to BHARAT SANCHAR NIGAM LIMITED-REGIONAL TRAINING TELECOM CENTRE (BSNL RTTC) located at Gachibowli, Hyderabad

Vision and Mission of the Department

Our Vision

Imparting quality technical education through research, innovation and team work for a lasting technology development in the area of Electronics and Communication Engineering.

Our Mission

To develop a strong centre of excellence for education and research with excellent infrastructure and well qualified faculties to instill in them a passion for knowledge.

To achieve the Mission the department will

1. Establish a unique learning environment to enable the students to face the challenges of the Electronics and Communication Engineering field.
2. Promote the establishment of centre of excellence in niche technology areas to nurture the spirit of innovation and creativity among faculty and students.
3. Provide ethical and value based education by promoting activities addressing the societal needs.
4. Enable students to develop skills to solve complex technological problems of current times and also provide a framework for promoting collaborative and multidisciplinary activities.

PEO's & PO's

PROGRAMME EDUCATIONAL OBJECTIVES

PEO 1: Have successful **careers in Industry.**

PEO 2: Show excellence in **higher studies/ Research.**

PEO 3: Show good competency towards **Entrepreneurship.**

PROGRAM OUTCOMES

a An ability to apply knowledge of Science, Mathematics, Engineering & Computing fundamentals for the solutions of Complex Engineering problems

b An ability to identify, formulates, research literature and analyze complex engineering problems using first principles of mathematics and engineering sciences.

c An ability to design solutions to complex process or program to meet desired needs.

d Ability to use research-based knowledge and research methods including design of experiments to provide valid conclusions.

e An ability to use appropriate techniques, skills and tools necessary for computing practice.

f Ability to apply reasoning informed by the contextual knowledge to assess social issues, consequences & responsibilities relevant to the professional engineering practice.

g Ability to understand the impact of engineering solutions in a global, economic, environmental, and societal context with sustainability.

h An understanding of professional, ethical, Social issues and responsibilities.

i An ability to function as an individual, and as a member or leader in diverse teams and in multidisciplinary settings.

j An ability to communicate effectively on complex engineering activities within the engineering community.

k Ability to demonstrate and understanding of the engineering and management principles as a member and leader in a team.

l Ability to engage in independent and lifelong learning in the context of technological change.

PROGRAM SPECIFIC OUTCOMES

PSO1 Analyze and design analog & digital circuits or systems for a given specification and function.

PSO2 Implement functional blocks of hardware-software co-designs for signal processing and communication applications.

"I don't spend my time pontificating about high-concept things; I spend my time solving engineering and manufacturing problems."

- Elon Musk

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