



MARRI LAXMAN REDDY INSTITUTE OF TECHNOLOGY AND MANAGEMENT

(AN AUTONOMOUS INSTITUTION)

(Approved by AICTE, New Delhi & Affiliated to JNTUH, Hyderabad)

Accredited by NBA and NAAC with 'A' Grade & Recognized Under Section 2(f) & 12(B) of the UGC act, 1956

MLR INQUEST

A Magazine From

DEPARTMENT OF ECE

July 2019 – December 2019

Volume-2

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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 academics, 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 MLR-INQUEST. 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 unwavering efforts in compiling this magazine.

Traditional Day Celebration



Students of Marri Laxman Reddy Institute of Technology and Management (MLRITM) celebrated the Traditional Day to promote “Unity in diversity” which is based on the concept where the individual or social differences in physical attributes, skin colour, castes, creed, cultural and religious practices, etc. are not looked upon as a conflict. Rather, these differences are looked upon as varieties that enrich the society and the nation as a whole. Traditional Day was held on the 18th of November 2019 at the college. It was an eventful day. It was observed as a celebration of India’s diverse culture. It’s a day designated for people to come in traditional attire from their home state, or specific culture of their choice.

Event was inaugurated with lamp lightening and Saraswati pooja by Principal Dr. K Venkateswara Reddy and Mr Yashwant Gosavi. This is followed by classical dance performance of Ganesh Vandana by Bantu Akhil and D Divya Sri. Principal addressed the gathering and explained the richness of Indian culture and traditions. Mr. Boni Chandrasekar gave motivational speech.

The celebrations were followed by cultural programmes where the ECE first year students had a blast showing their talents on the stage which included ramp walk, dances and skits. Students were completely in their high traditional competitive spirit. Their inner creativity and potentialities were driven through these traditional competitions. Zeba Kouser , K Abhinav were winners for solo performances where as Kadurkapu Chandu and S Amitha Chowdary were winners for group performances. Prizes were given to winners by Judges.

In all, it was a great success and it definitely strengthened the bonds among the students and created respect for ethnic and racial diversity in India. The programme was concluded with vote of thanks and National Anthem of India.

Alumni Meet



To take a walk down the corridors of nostalgia, Marri Laxman Reddy Institute of Technology and Management (MLRITM) College organized its Annual Alumni Meet on Dec 22, 2019. Over four hundred alumni attended the function who beamed with excitement to return to their Alma Mater. The Chief Guest of the occasion was Dr. Udagula Rajesh , an alumnus of the 2009 batch. Dr. Guttula Nagakamal, a noted Ghazal singer and Indian Classical Vocalist also graced the occasion with his presence as a special guest.

The Chief Guest addressed the gathering and gave the mantra of success in Mahatma Gandhi words that "Carefully watch your thoughts, for they become your words. Manage and watch your words, for they will become your actions. Consider and judge your actions, for they become your habits. Acknowledge and watch your habits, for they shall become your values. Understand and embrace your values, for they become your destiny." He emphasized on the importance of not only achieving success but also sustaining one's success. Some of the alumnus then shared their experience and the interesting moments of their campus life with the audience. They also talked about their journey after bidding adieu to college life and how MLRITM College helped them become independent thinkers and responsible citizens. The event also witnessed various song and dance performances by the current batch of students. The highlight of the event was an extremely soulful rendition of soothing Ghazals by Dr Samira K Jha who left the audience mesmerised by her mellifluous voice that transported them into a different era and mood.

Republic Day Celebration



In respect of 70th Republic Day of India flag hosting is organized in the campus along with students and faculties with Dr. Venkateswara Reddy garu Principal of MLRITM as chief gust, followed by various cultural activities.

Sports & Events



Students from third year ECE have secured first place in 100 meter race and students from final year ECE have secured second and third place in 400 meter race competition organized by physical education on the occasion of sports meet 2019.

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, formulate, 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.

“The problem in this business isn’t to keep people from stealing your ideas; it's making them steal your ideas!”

- Howard Aiken



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