

CHAIRMAN MESSAGE



The pride of every student and staff would be in his/her college. A college may 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 therefore vital in promoting what an institution offers. It brings out into the open things hitherto 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 the team. I wish the magazine a grand success.

TREASURER MESSAGE



It is happiness unlimited to see Marri Laxman Reddy Institute of Technology & Management breaking barriers and moving forward confidently. The adage “Fortune favors the bold” is very true in the case of MLRITM. There is nothing... absolutely nothing that stops the MLRITM juggernaut from rolling forward, going on boldly from one project to another... leaving the spectators spell-bound. Everything that MLRITM touches turns into gold. All these things have been made possible by the extraordinary vision and the immaculate planning of our chairman, which when coupled with the skills of the staff have made the college scale new highs. This magazine brings out the notable achievements of MLRITM. I am sure that through these pages readers will get a bird’s eye view of MLRITM and its wonders.

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 such as: conferences attended by staff members and students, competitions won by the hugely talented students, innovative projects carried out by students with the guidance of staff, among others. They stand as a witness to the monumental efforts taken by the management to make the college a centre of excellence in education and research. I wish the management, staff and students of the college success in their future endeavors.

HEAD 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 writings, sketching and drawings, among others. Such value additions are very much essential for the young technocrats, engineers and scientists, who the college produces, 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.

GUEST LECTURE ON SUSTAINABLE WATER RESOURCES PLANNING AND MANAGEMENT

The chief guest Mr.S.Sivaramakrishnan, Associate Professor of JNTUK have delivered guest lecture on **Sustainable water resources planning and management** and explained different approaches and methodologies for adaptive water resources management, capacity building and institutional analysis.

The lecture is organized on 20th December 2018, at 10:00 a.m. to 1.00 p.m. with 12 faculties & 100 students.

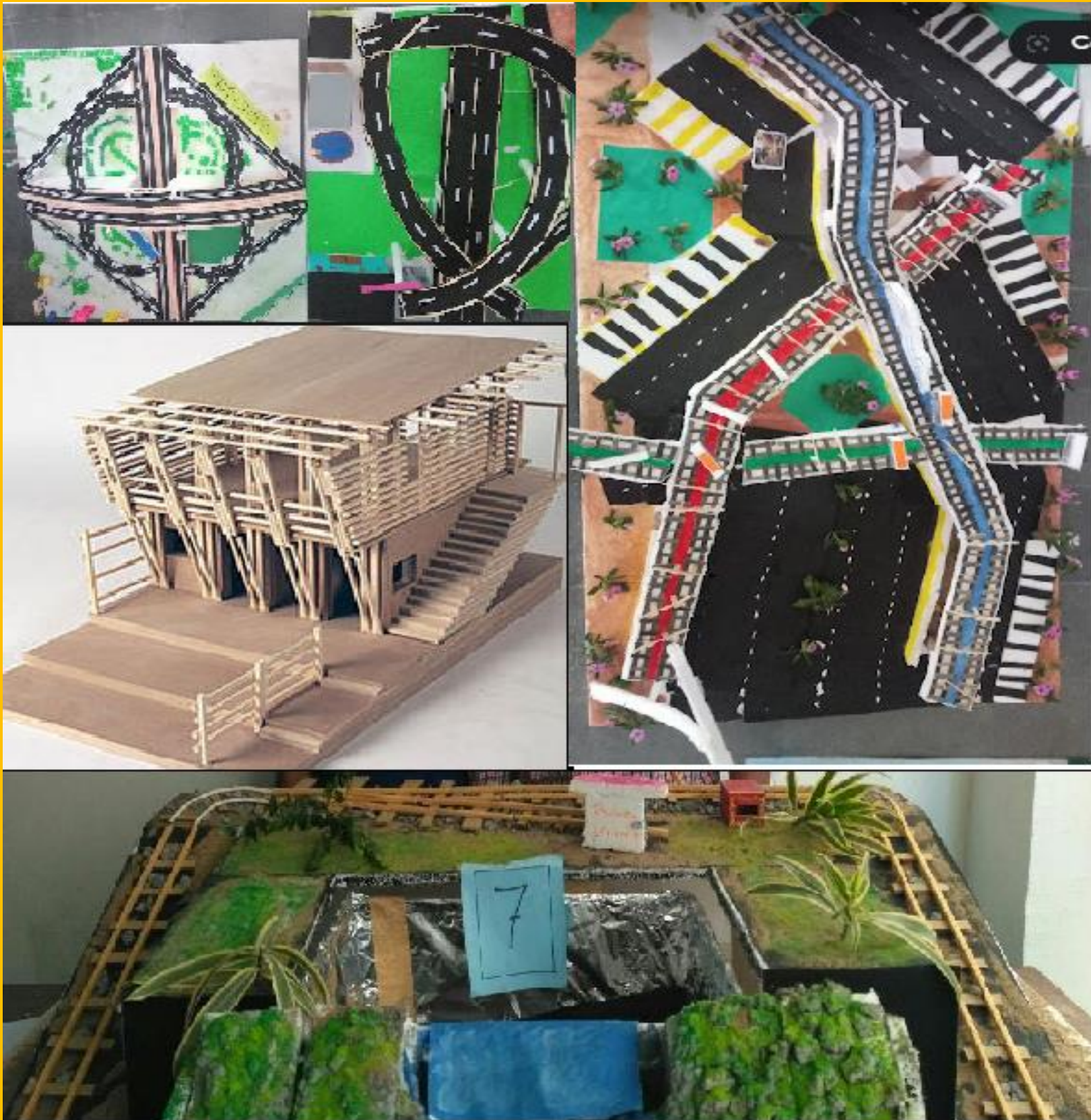


GUEST LECTURE ON WATER SUPPLY DESIGN UNDER MISSION BHAGHEERADHA

The chief guest Mr.Y.Vamsi Krishna, Deputy Executive Engineer, RWS, Mission Bhagheeradha, have delivered guest lecture on Water supply design under mission Bhagheeradha and explained about the starting idea of mission Bhagheeradha under taken by govt. of Telangana. Later he explained in detail the activities under taken in the programme like Yellam pet reservoir, Singur reservoir etc. Designing and their water pumping systems.

The lecture is organized on 25th of January 2019, at 1:00 p.m. to 4.00 p.m. with civil staff and students.

TECH FEST- UTHKRISHT 2K19



Student Model presentations

STUDENT BEST PROJECTS

S.NO	PROJECT TITLE	NAME OF STUDENT	NAME OF INTERNAL GUIDE	RELEVANCE TO POS & PSO
1	DESIGN OF TRAFFIC SIGNAL SYSTEM AT KOMPALLY JUNCTION (BY WEBSTER'S METHOD)	DABBETA SANDYA PODETI MANASA	MR.MD.REHAMAN	PO-1,2,3,5,8,9,12 PSO-1,2,3
2	ENHANCEMENT OF MECHANICAL PROPERTIES OF M40 GRADE CONCRETE WITH GGBS	U.JAYACHANDER M.AKHIL SAIVEMPATI LAKSHMI NARASIMHA RAO	MR.T.JAYA KRISHNA	PO-1,3,4,8,9,12 PSO-2,3
3	TRACKING OF CYCLONE PATH USING GIS: A CASE STUDY ON PHAILIN CYCLONE	M.UDAY K.GAYATHRI DEVI	MR.ABHIRAM REDDY	PO-1,2,3,5,8,9,12 PSO-1,2,3
4	COMPARATIVE STUDY OF INDEX AND ENGINEERING PROPERTIES OF BLACK COTTON SOIL STABILIZED WITH BOTTOM ASH AND BRICK DUST	SHAIK SHAHEEN	MR.K.MURALI	PO-1,3,4,8,9,12 PSO-2,3
5	A STUDY ON THE AIR QUALITY INDEXING AT VARIOUS LOCATIONS IN HYDERABAD	MD.ARIF	MR.RUPENDRA DUGGIRALA	PO-1,3,4,7,8,9,12 PSO-2,3
6	STUDY ON MECHANICAL PROPERTIES OF CONCRETE USING BOTTOM ASH AS FINE AGGREGATE	THOTA SHASHANK	DR.M.HARIHANAND H	PO-1,3,4,8,9,12 PSO-2,3



EXPOSURE TO LIVE PROJECTS

INDUSTRIAL VISITS

అన్నారం బ్యారేజీని సందర్శించిన ఇంజనీరింగ్ విద్యార్థులు

కాశేశ్వరం: రాష్ట్ర ప్రభుత్వం ప్రతిష్ఠాత్మకంగా తీసుకొని నిర్మిస్తున్న కాశేశ్వరం ప్రాజెక్టులోని అన్నారం బ్యారేజీని హైదరాబాద్‌లోని విజ్ఞాన భారతి, మర్రి లహూర్‌రెడ్డి ఇన్స్టిట్యూట్ ఆఫ్ టెక్నాలజీ ఇంజనీరింగ్ కళాశాల విద్యార్థులు, మేనేజ్‌మెంట్ బృందం వేర్వేరుగా సందర్శించింది. శుక్రవారం మహదేవపూర్ మండలం అన్నారంలో నిర్మిస్తున్న బ్యారేజీని విద్యార్థుల బృందంతో పాటు మేనేజ్‌మెంట్ బృందం పరిశీలించారు. వారి వెంట ప్యాకల్టీలు దుగ్గిరాల రూపేందర్, జోగి సీతున్య, సాయి తేజలతో పాటు విద్యార్థులకు అక్కడి ఇంజనీర్లు డీఈఈ యాదగిరి, సతీష్, జేఈఈ యాకయ్య,



బ్యారేజీ వద్ద ఇంజనీరింగ్ విద్యార్థుల బృందం శ్రావణ్, రవిచంద్రలు ప్రాజెక్టు గురించి క్షుణ్ణంగా వివరించారు.



FACULTY ACHEIVEMNETS

- Micro structural study on nano fly ash concrete- International Journal of Eco. Env. & Cons- Vol: 25 issue no2, pg: 740-744-M. Harihanandh
- GIS-based air pollution distribution mapping of emissions from public buses for Coimbatore Corporation, Tamil Nadu, India- Indian Journal of Geo Marine Sciences- Vol: 48 issue no6, pg:947-951

STUDENT ACHEIVEMNETS

S.NO	ACTIVITY	COUNT
1	INTER COLLEGE FEST PARTICPATIONS AND WINNERS	29
2	NUMBER OF STUDENTS EXPOSURE TO INDUSTRIES THROUGH INTERNSHIPS	19
3	CERTIFICATION COURSES COMPLETED	38
4	NUMBER OF STUDENTS PLACED	3
5	NO OF STUDENTS PURSUING HIGHER EDUCATION	46

VISION OF THE DEPARTMENT

VISION:

The Civil Engineering department strives to impart quality education by extracting the innovative skills of students and to face the challenges in latest technological advancements and to serve the society.

MISSION OF THE DEPARTMENT

MISSION:

M-I Provide quality education and to motivate students towards professionalism.

M-II Address the advanced technologies in research and industrial issues.

PEO's

The Programme Educational Objectives (PEOs) that are formulated for the civil engineering programme are listed below:

PEO-I solving civil engineering problems in different circumstances

PEO-II Pursue higher education and research for professional development.

PEO-III Inculcate qualities of leadership for technology innovation and entrepreneurship

PROGRAM OUTCOMES (POs)

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.

PROGRAMME SPECIFIC OUTCOMES

- ❖ **UNDERSTANDING:** Graduates will have ability to describe, analyze and solve problems using mathematical, scientific, and engineering knowledge.
- ❖ **ANALYTICAL SKILLS:** Graduates will have an ability to plan, execute, maintain, manage, and rehabilitate civil engineering systems and processes.
- ❖ **EXECUTIVE SKILLS:** Graduates will have an ability to interact and work effectively in multi disciplinary teams.

A city skyline at sunset with a yellow border. The text is overlaid on the image.

EVERYDAY IS AN ADVENTURE

- WHEN -

YOU ARE A

CIVIL ENGINEER