



**MARRI LAXMAN REDDY**  
INSTITUTE OF TECHNOLOGY & MANAGEMENT

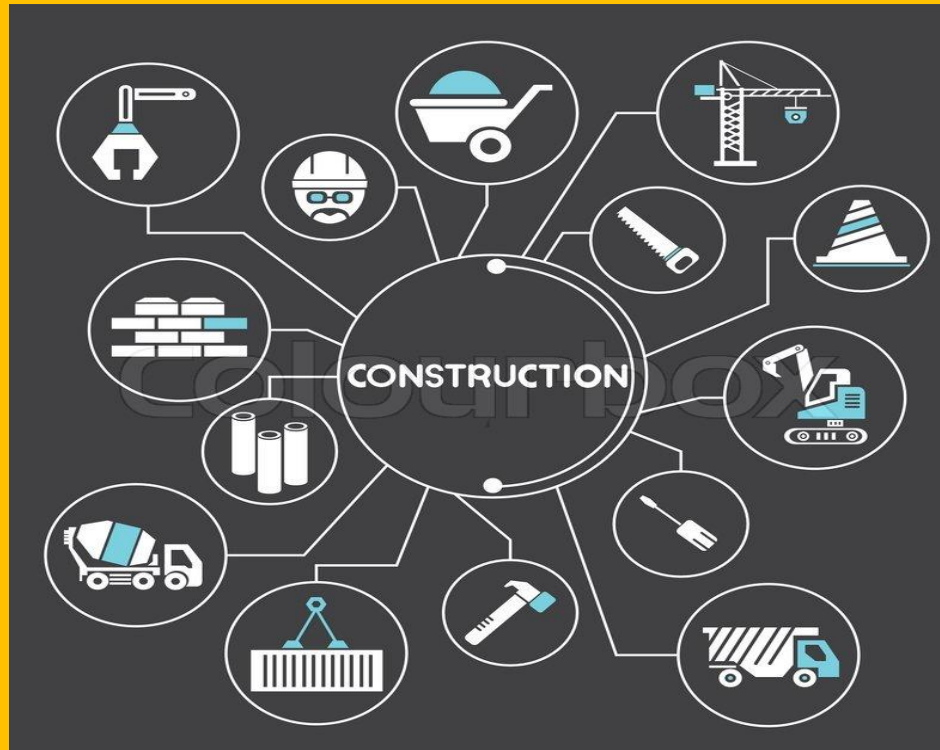


APRIL 2020

VOLUME-I

**ZENITH**

CIVIL ENGINEERING DEPARTMENT



## 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 “INDUSTRY PERCEPTIVE IN CIVIL ENGINEERING”

The chief guest Mr.H.Abdul Haseeb,MD-Levels Infrastructure, Chennai have delivered guest lecture on Industry ‘PERCEPTIVE IN CIVIL Engineering’ the lecture is organized on 28<sup>th</sup> January 2020, at 10:00 a.m. to 1.00 p.m. with 12 faculties & 100 students.



# WORKSHOP ON “ALTERNATE BUILDING MATERIALS AND CONSTRUCTION”

The chief guest Dr.K.S.Elango, Asst. Professor, K.P.R.Institute of Engineering & Technology, Coimbatore have conducted a one day workshop on ‘Alternate building materials and construction’ The lecture is organized on 30th March 2020, at 1:00 p.m. to 4.00 p.m. with 15 civil staff and 100 students.

## GUEST LECTURE ON “INDUSTRY PERCEPTIVE IN CIVIL ENGINEERING”

The chief guest Mr.S.Rishider, Asst. Professor, Malla Reddy Institute of Technology & Science, Hyderabad, have conducted a one day workshop

On ‘Advanced software applications in Civil Engineering’ The lecture is organized on 30th March 2020, at 03<sup>rd</sup> March 2020 with 15 civil staff and 100 students.

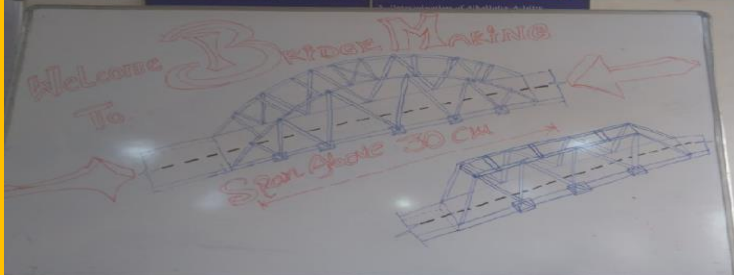


## WORKSHOP ON “INTRODUCTION TO GEO-POLYMER CONCRETE”

The chief guest Dr.R.Saravanakumar, Asst. Professor, K.P.R.Institute of Engineering and Technology, Coimbatore, have conducted a one day workshop on ‘Introduction to Geopolymer concrete’ the lecture is organized on 13.04.2020 & 14.04.2020 with 15 civil staff and 60 students.



# TECH FEST- UTHKRISHT 2K20



## STUDENT BEST PROJECTS

S.No	Project title	Name of student	Name of internal guide	Relevance to POs & PSO
1	Experimental studies on high strength concrete by using GGBS as admixture	Nilagiri Narayan	Dr.R.Gopi	PO-1,3,4,8,9,12 PSO-2,3
2	Automated lane detection as advanced driver assistance system using computer vision	B.Anuraag	Dr.Ch Veerendra	PO-1,2,3,5,8,9,12 PSO-1,2,3
3	Traffic studies by using ATCC - Automatic Traffic Counter and Classifier	M.Anusha, M.Vaishnavi	Ms.Nanditha Mandava	PO-1,2,3,5,8,9,12 PSO-1,2,3
4	Experimental study on mechanical properties of steel fiber based concrete with partial replacement of GGBS	P.Alekhya, M.Narayana Sagar, M.Shiva Prasad Yadav	Mr.K.Murali	PO-1,3,4,8,9,12 PSO-2,3

5	To study the behaviour and design principles of various types of bridges and design of steel truss bridge	B.Anuraag	Dr.M.Saravanan	PO-1,2,3,5,8,9,12 PSO-1,2,3
6	Experimental investigation of silica fume based concrete of M25 grade	P.Jaswanth, M.Vaishnavi, N.Sandhya	Mr.DSVSMRK Chekravarty	PO-1,3,4,8,9,12 PSO-2,3

# STUDENT INTERNSHIPS

S.NO	NAME OF THE STUDENT	ROLL NO.	COMPANY NAME	DURATION
1	Naveen Goud	187Y1A0118	Raster Engineers Pvt Ltd	13.01.2020 to 01.02.2020
2	B.Lavanya	177Y5A0102	Raster Engineers Pvt Ltd	13.01.2020 to 01.02.2020
3	P.Naresh	167Y1A0119	Wall to Wall interiors	01.02.2020 to 20.02.2020
4	PVN Sai Pavan Manoj	177Y5A0113	Wall to Wall interiors	01.02.2020 to 20.02.2020
5	Sai Avinash	187Y1A0133	Indian Institute of Remote Sensing Technology	13.04.2020 to 25.04.2020
6	Aawula Srikanth	177Y5A0101	KLC Constructions	21.06.2019 to 19.07.2019
7	Mariyala Vaishnavi	167Y1A0142	KLC Constructions	21.06.2019 to 19.07.2019
8	Dandi Akhil	177Y1A0102	LN Construction Engineers and Developers	01.10.2019 to 15.10.2019
9	Y.Ashok	177Y1A0151	LN Construction Engineers and Developers	01.10.2019 to 15.10.2019
10	Rohith Devella	177Y1A0131	RVM Constructions	15.11.2019 to 21.12.2019
11	Umesh Sai	177Y1A0140	RVM Constructions	15.11.2019 to 21.12.2019
12	Nagapuri Ajay	177Y1A0101	RVM Constructions	15.11.2019 to 21.12.2019
13	P.Ramji	177Y1A0128	Larsen & Toubro Limited	12.08.2019 to 30.08.2019
14	Muthyala Swathi	177Y1A0183	Larsen & Toubro Limited	12.08.2019 to 30.08.2019
15	T.Saikiran	177Y1A0132	Larsen & Toubro Limited	12.08.2019 to 30.08.2019
16	Methri Harish Goud	177Y1A0159	Larsen & Toubro Limited	12.08.2019 to 30.08.2019
17	B.Snehith Kumar	167Y1A0137	Ramtech	01.07.2019 to 31.07.2019
18	Sambeti Dhilendhar	177Y1A0158	Larsen & Toubro Limited	12.08.2019 to 30.08.2019
19	Sama Prashanth Reddy	177Y1A0125	Aqua Wave Biotech private limited	15.10.2019 to 05.11.2019
20	Sai Chandra Yadav	177Y1A0172	Aqua Wave Biotech private limited	15.10.2019 to 05.11.2019
21	Hamari Debbarma	187Y5A0130	Aqua Wave Biotech private limited	15.10.2019 to 05.11.2019
22	N.Narayan	167Y1A0118	Risinia Trendilla	(06.07.2019 to 20.07.2019)
23	Bukya Upender	167Y1A0151	Risinia Trendilla	(06.07.2019 to 20.07.2019)
24	Kommula Raghavendra	177Y1A0126	Risinia Trendilla	(06.07.2019 to 20.07.2019)
25	M.Shashank	177Y1A0179	Risinia Trendilla	(06.07.2019 to 20.07.2019)
26	Nithin Chakravarthy	177Y1A0168	Risinia Trendilla	(06.07.2019 to 20.07.2019)

## 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**