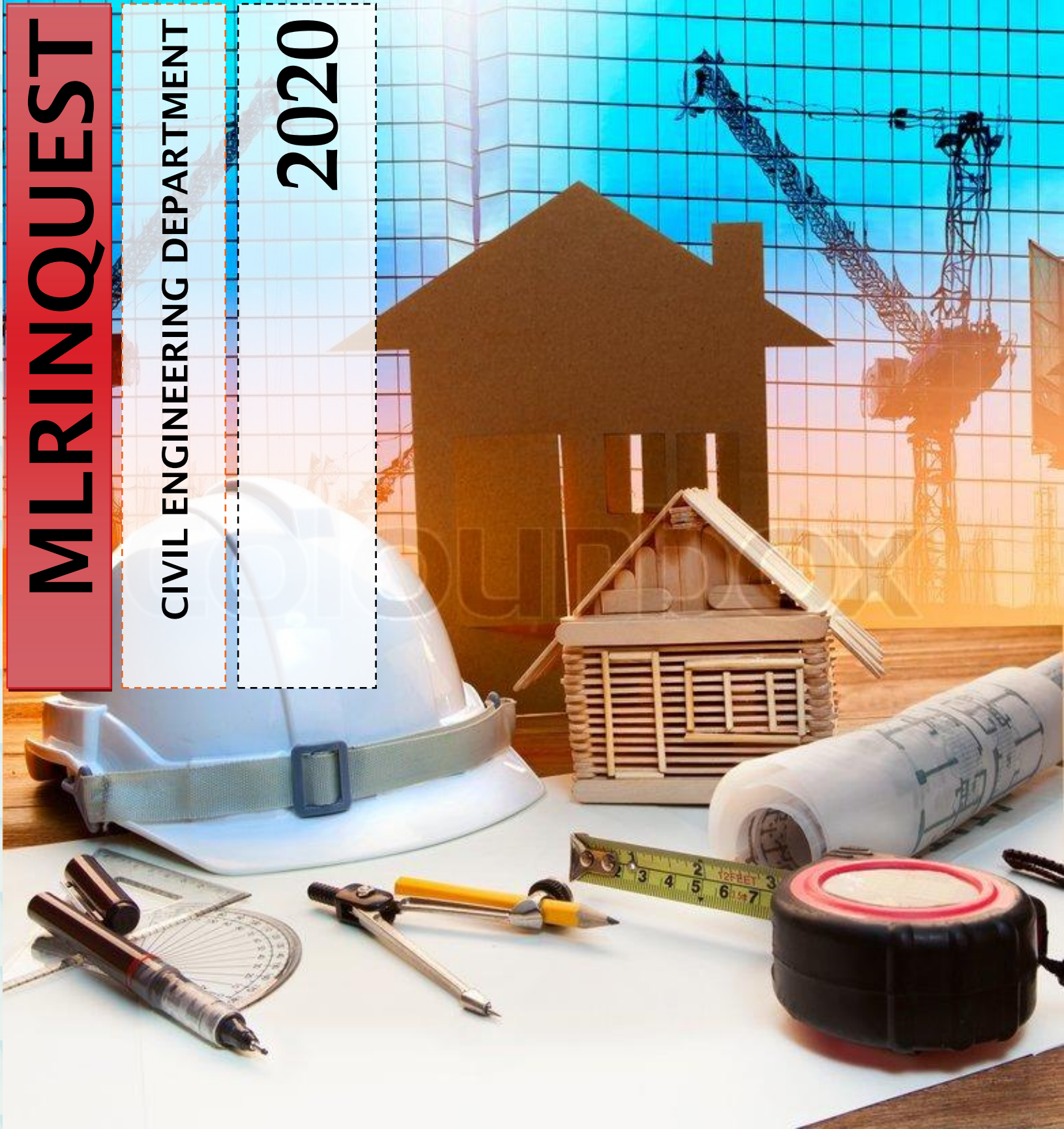


# MLRINQUEST

CIVIL ENGINEERING DEPARTMENT

2020



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

**AUG 2020**  
VOLUME-II

## 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 MLRQUEST. 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.



WOMEN'S DAY CELEBRATIONS

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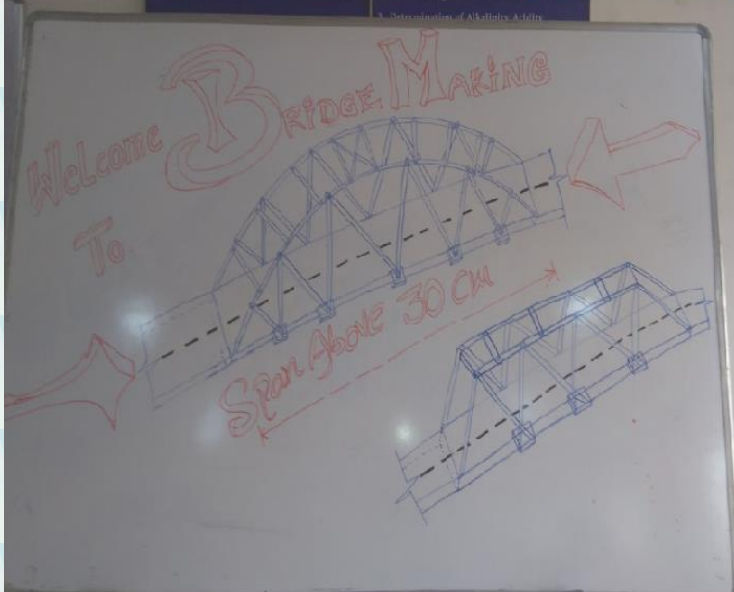


కెక్సికల్ ఫెస్ట్

డుండిగల్: భూకంపం సంభవించినా చెప్పు చెదరకుండా ఉంటే భవనాలు, ట్రిబ్లీలు.. గోకార్డు రేసింగ్ కారు.. తదితర సమాచాలను తయారు చేసి కళాకాల విద్యార్థులు అబ్బురపరిచారు. డుండిగల్లోని మర్రి లక్ష్మణరెడ్డి ఇన్స్టిట్యూట్ ఆఫ్ టెక్నాలజీ అండ్ మేనేజ్మెంట్, ఎంఎల్ఆర్ ఫార్వర్డ్ కళాకాల లో సోమవారం టెక్నికల్ ఫెస్ట్ నిర్వహించారు. కార్యక్రమానికి ఇంటియేషనల్ ఇన్స్టిట్యూట్ ఆఫ్ ఇన్వర్సేషన్ టెక్నాలజీ ఎన్ర్ కేల్ ఇంజనీరింగ్ రీసెర్చ్ సెంటర్ అసిస్టెంట్ ప్రొఫెసర్ డాక్టర్ సీతీమ సత్యంలు ముఖ్య ఆతిథులుగా హాజరయ్యారు. టెక్నికల్ ఫెస్ట్లో సేవర్ ప్రజెంటేషన్, వర్చువాలి, ప్రాజెక్ట్ ఎటోపో, అటో మొబైల్, ఆయుర్వేదిక్ మెడిసిన్ తదితర అంకాల్లో విద్యార్థులు సమాచాలు రూపొందించారు. కార్యక్రమంలో చీఫ్ ఇన్స్టిట్యూట్ ఆఫ్ సైన్స్ అండ్ టెక్నాలజీ డిపార్టుమెంట్ ఆఫ్ ఫార్వర్డ్ ప్రొఫెసర్ శ్రీరామ్, కళాకాల సెక్రటరీ మర్రి రాజశేఖర్ రెడ్డి, ప్రెసిడెంట్ వెంకటేశ్వరరెడ్డి, డైరెక్టర్ ఆర్.కోటయ్య, మురళీశ్రీనివాస ఉన్నారు.

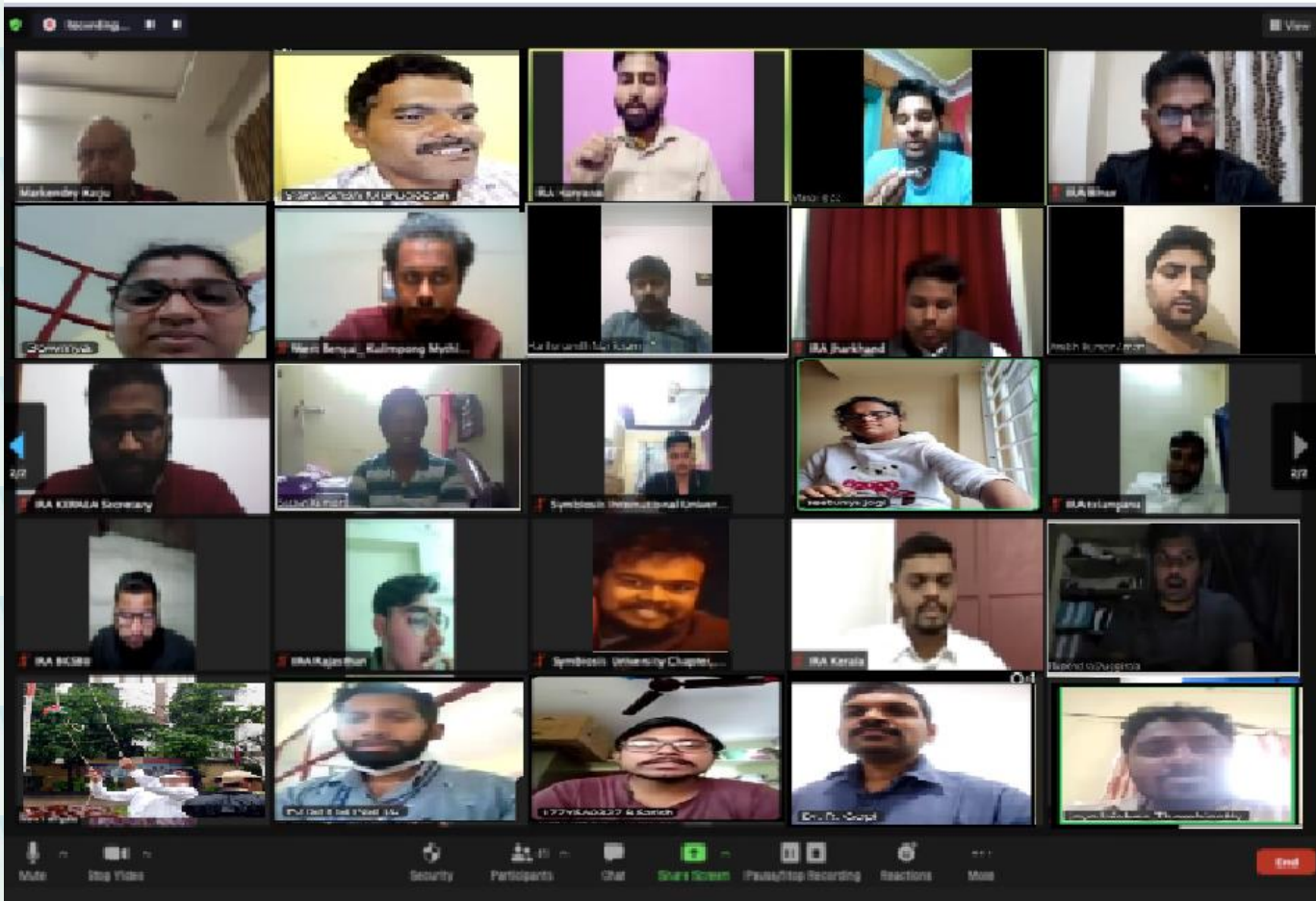


గోకార్డు రేసింగ్ కారును రూపొందించిన విద్యార్థులు



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## 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)

- Engineering knowledge:** Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.*
- 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.*
- 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.*
- 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.*
- 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.*
- 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.*
- 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.*
- Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.*
- Individual and team work:** Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.*
- 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.*
- 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.*
- 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.*



— I'M A —

**CIVIL ENGINEER**

TO SAVE TIME

LET'S JUST ASSUME

**I'M NEVER WRONG**