

MARRI LAXMAN REDDY

INSTITUTE OF TECHNOLOGY AND MANAGEMENT

Department of Civil Engineering

Information Brochure





Sri **Marri Laxman Reddy**, the founder Chairman of Marri Educational Group of Institutions has been in the field of education from the last 22 years with the aim of spreading quality education among children at the school & college level. He is a veteran athlete of international repute.



Sri **M. Rajasekhar Reddy**, a person with remarkable abilities and great acumen and a dynamic leader. He is striving hard to initiate various industry oriented programme for the benefit of the students and he envisions his students to be placed at the top most position in the industry.



Dr. **K Venkateswara Reddy**, M. Tech., Ph.D., MISTE, the Principal, Marri Laxman Reddy Institute of Technology & Management, is young & dynamic Professor of CSE. Engineering College and he has achieved an immense exposure in Academic, Research and Administrative spheres at reputed Engineering Colleges. He contributed immensely for the growth of institutes by enforcing the disciplinary actions in the lifestyle of under graduate engineering students. He has introduced Institute - Industry, Interaction and Research & Development cells in the institute.

ABOUT THE INSTITUTE

MLRITM College is situated at Dundigal village, which is 18km away from Jawaharlal Nehru Technological University (JNTU), Hyderabad. MLRITM is started its functioning from the academic year 2009-2010 onwards, after due recognition from AICTE. This college is affiliated to the prestigious JNT University Hyderabad. Though in 10 years, and got the Autonomous status from UGC, in the year 2019. The college is making biggest strides and marching ahead very confidently for excellent outputs in their future endeavors. At present, college is offering 10 B.Tech courses, 4 M.Tech courses and MBA programme. The total strength of the college is more than 3000.

BEAUTIFUL CAMPUS

Set in Sylvan surroundings away from the hustle & bustle of city life yet only 4 km away from Mahindra Satyam Technology Park on Balanagar – Narsapur state highway. The Institute is extremely conducive to academic, co-curricular and extra-curricular activities. It has large and well ventilated buildings with modern equipments. Well equipped laboratories are established in all the departments. Digital library, sports facilities are provided to the students.

INFRASTRUCTURES

The Institute is housed in a RCC Building with a built up area of 2.26 Lakh Sq.Ft in 5.2 Acres and established an Air Conditioned Auditorium with Seminar Halls and a Central Digital Library. A good canteen caters hygienic food and a fleet of buses running from all important points to bring the students to the college.

The institute has a sprawling sports complex containing spacious indoor and outdoor court including a lobby to play cricket, football, hockey, basketball, tennis, badminton and handball. HDFC Bank ATM within the Campus is an additional facility to the students and faculty to withdraw the cash anytime.

INSTITUTE VISION AND MISSION

VISION

To be as an ideal academic institution by graduating talented engineers to be ethically strong, competent with quality research and technologies.

MISSION

To fulfill the promised vision through the following strategic characteristics and aspirations:



- ✚ Utilize rigorous educational experiences to produce talented engineers
- ✚ Create an atmosphere that facilitates the success of students
- ✚ Programs that integrate global awareness, communication skills and Leadership qualities
- ✚ Education and Research partnership with institutions and industries to prepare the students for interdisciplinary research

ABOUT CIVIL ENGINEERING DEPARTMENT



COMPUTER CENTER



CENTRAL LIBRARY



CRICKET GROUND



INDOOR SPORTS

The department of civil engineering was established in the academic year 2009-2010 with an intake of 60 students. Now the intake capacity is increased to 120 students. This Department is offering one M.Tech programme, named Structural Engineering with the intake of 24 students. The department has well qualified and experienced faculty. Faculties are doing consultancy work in the field of concrete, survey, structural, environmental and soil to the farmers and industries. The department has in forefront in arranging expert lectures faculty drawn from reputed institutions like Jawaharlal Nehru Technological University Hyderabad (JNTUH), Andhra Pradesh State Remote Sensing Application Centre (APSRAC), Osmania University (OU) etc. The department is well known for its technical excellence and modern infrastructure facilities such as latest version of software and highly sophisticated instruments

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

Civil engineers know that they cannot rest on their laurels. Current trends pose questions about the future of their profession. These questions address the role that the Civil Engineers have to play and could play in society, towards the integrity of the world's infrastructure. Hence the mission of the Department of Civil Engineering is

- ✚ Provide quality education and to motivate students towards professionalism.
- ✚ Address the advanced technologies in research and industrial issues.

PROGRAMME EDUCATIONAL OBJECTIVES

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

- ✚ Solving civil engineering problems in different circumstances
- ✚ Pursue higher education and research for professional development.
- ✚ Inculcate qualities of leadership for technology innovation and entrepreneurship

PROGRAMME OUT COMES

The Civil Engineering department faculty, students and industry advisory board have adopted the Engineering criteria outcomes and have defined specific outcomes to be achieved by the Civil Engineering students. Those outcomes are:

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.

INFRASTRUCTURE

Department of civil engineering is fully equipped with modern classrooms, laboratories, seminar hall to cater the needs of civil engineering programme.



E Class Rooms

The Department contains the following laboratories:

Surveying Laboratory

This lab is well equipped with all basic requirements of surveying. The main idea is to focus on the basic working of Chains, Tapes, Ranging rods, Compass, Dumpy levels, Theodolites, Total stations, plane Tables.



Strength of Material Laboratory

This lab is well equipped with all basic requirements of strength of materials. The main idea is to focus on the basic working of UTM, Torsion Testing Machine, Spring Testing Machine, Impact Testing Machine, and Hardness Testing.



Engineering Geology Laboratory

This lab is well equipped with all basic requirements of Geology Lab. The main idea is to focus on the basic working and testing of different types of minerals and aggregates like Mica, Quartz Jasper, Talc, Agate, Bauxite, Calcite, Dolomite, Feldspar, Pyrite, Hornblende, Kyanite, and Augite.



Fluid Mechanics and Hydraulic Machinery Laboratory

This lab is well equipped with all basic requirements of Hydraulics & Hydraulic Machines Laboratory. The main idea is to focus on the basic working of Pelton Wheel Turbine, Francis Turbine, Centrifugal Pump Reciprocating Pump, Impact of Jet on Vanes, Notches, Friction losses in Pipe lines,

Bernoulli's Equation Venturi & Orifice Meter.



Geotechnical Engineering Laboratory

This lab is well equipped with all basic requirements of Geo Technical Lab. The main idea is to focus on the basic working and testing of Liquid limit, plastic limit, core cutter, sand replacement sieve shaker, Permeability, triaxial testing machine, direct shear test, Pycnometer etc.



Transportation Engineering Laboratory

This lab is well equipped with all basic requirements of Highway Material Testing Lab. The main idea is to focus on the basic working and testing of abrasion testing machine, permeability testing machine, ductility testing machine, penetration testing machine, etc.



Concrete Technology Laboratory

This lab is well equipped with all basic requirements of Concrete Technology. The main idea is to focus on the basic working and testing of fresh and hardened concrete materials and structural components using Compression testing machine, Slump test, Compaction factor testing machine, Non destructive testing machine etc.



Glass ware, beakers, test tubes, Chemicals etc.



CAD Laboratory

This lab is well equipped with all basic requirements of CAD. The main idea is to focus on the basic working of software's and lab consists of 30 computers provided with UPS.



Environmental Engineering Laboratory

This lab is well equipped with all basic requirements of Environmental Engineering Laboratory. The main idea is to focus on the basic working and testing of Digital pH meter, Nephelo turbidity meter, Conductivity meter,

Continuing education

Considering the new trends in technologies and industrial functioning, department provides suitable bridge courses to supplement the theoretical knowledge. These stop-gap trainings provide greater exposure to the existing systems and innovations in the engineering domain. Expert agencies like bharathi cement are invited at the campus to impart the much needed technical-know-hows the entire aspiring student.

CONSULTANCY SERVICES

The Department has potential to take up the consultancy in the following areas

- ✚ Concrete technology
- ✚ Water quality monitoring
- ✚ Surveying
- ✚ Strength of material
- ✚ Geo technology



WORKSHOP ON AUTO CAD ORGANISING WITH TASK



INDUSTRIAL VISIT TO NEARBY PROJECTS & INDUSTRIES



Various functions/events in MLRITM



PLACEMENT CELL

Marri Laxman Reddy Institute of Technology & Management places special emphasis on experiential learning in the training process. Towards that end and to make MLRITM the favorite destination for all multinational companies. The College has adopted a pedagogical practice that provides for enhanced learning opportunities through co-operation with industry, business, counterpart institutions and international experience. Some of our recruiters are listed as follows.

			
			
			
			
			
			

MLR INSTITUTE OF TECHNOLOGY (UGC AUTONOMOUS)

EAMCET/ICET/PGE CET Code: MLID

MARRI LAXMAN REDDY INSTITUTE OF TECHNOLOGY AND MANAGEMENT (UGC AUTONOMOUS)

EAMCET/ICET/PGE CET Code: MLRS

MARRI LAXMAN REDDY INSTITUTE OF PHARMACY

EAMCET/ECET/PGE CET Code: MLRP



**MARRI
LAXMAN
REDDY**

GROUP OF INSTITUTIONS

MARRI LAXMAN REDDY GROUP OF INSTITUTIONS

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