MLRIT
Raising Engineers
MLR INSTITUTE OF TECHNOLOGY

MECHANICAL ENGINEER'S CLUB

MLR INSTITUTE OF TECHONOLOGY
SAEINDIA
Society of Automotive Engineers INDIA
COLLEGIATE CLUB

MECH TIMES

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"You have to dream before your dreams can come true."

DEPARTMENT OF MECHANICAL ENGINEERING

MARRI LAXMAN REDDY - CHAIRMAN

Sri MarriLaxman Reddy, the founder Chairmanof MLR Institutions has been in the field of education for the last 22 years with the aim of spreading quality education among children at the school & college levels. MLR Institute of Technology is the culmination of his dreams. He is also founder chairman of Marri Laxman Reddy Institute of Technology & Management, MLR Institute of Pharmacy, St. Martin's Engineering College and St. Martins Schools at Balanagar, Chintal and Malkajgiri. He is a veteran athlete of international repute.

MARRI RAJASEKHAR REDDY – SECRETARY

Sri Marri Rajashekar Reddy, the Secretary of MLR Institutions has the distinction of establishing the Institute of Aeronautical Engineering, MLR Institute of Technology, MLR Institute of Pharmacy Vardhaman Engineering College, Vidyanjali Grammar School at L.B.Nagar and Institute of Aircraft Maintenance Engineering, approved by DGCA.

He is also Treasurer of Indo US Collaboration for Engineering Education of A.P. Chapter. Mr. M. Rajasekhar Reddy, a person with remarkable abilities and great acumen and a dynamic leader. He is known to be the dynamic mentor of MLR Institute of Technology who is always on the sprit to take the institute to newer levels in every aspect of an "Ideal Institution" and strives hard to make every dream a reality. He likes his father Mr. M. Laxman Reddy, who has a credit of establishing Institute of Aeronautical Engineering adding a new flavor to St. Martins group of Institutions and Vidyanjali Grammar School.

Dr. K. SRINIVAS RAO - PRINCIPAL

It is my privilege to welcome you to the big family of MLRIT which was established in 2005 and has been imparting higher education in the fields of Electronics Engineering(ECE), Communication Computer Science Engineering(CSE),Mechanical Engineering(ME), Aeronautical Engineering(AE), Information Technology(IT), Master of Business Administration (MBA), Aerospace Engineering, Embedded Systems, Digital Systems and Computer Electronics, Computer Science, Software Engineering, CAD/CAM and Thermal Engineering. In the 14 years of existence MLR has established itself as a premier Institution and I consider its my privilege to be associated with such a prestigious Institution.

MESSAGE BY HOD:

Itgives me great pleasure to meet all of you through this news letter. It is a wonderful media through which the department achievements can be brought to the notice of all of you. The department of mechanical engineering strives continuously for involving the students in the designing, studying, development and construction of all the physical devices and systems. The objective is to prepare the manpower that is globally best. To achieve this, the Department of Mechanical Engineering provides various platforms for the students and staff to excel. A news letter like this will help in a long way to highlight the achievements of both the students, staff and the department as a whole. I wish all the best for the team of members who are bringing this news letter to foray. With best wishes

Dr J KRISHNA RAJ Professor and HOD
Department of Mechanical Engineering

ABOUT MLRIT

MLR Institute ofTechnology was established in the year 2005 with the virtue of providing quality education to all sections of society. The college is run by KMR Educational Society under the chairmanship of Mr. Marri Laxman Reddy. The college is approved by All India Council for Technical Education (AICTE) besides being affiliated to Jawaharlal Nehru Technological University, Hyderabad and re-accreditated by NBA and is currently autonomous. The campus is spread over 35 acres of land with sophisticated infrastructure for curricular and co-curricular activities and for conducting UG and PG Programmes.

VISION OF THE INSTITUTE

Promote academicexcellence,research, Innovation, and entrepreneurial skills to produce graduates with human values and leadership qualities to serve the nation.

MISSION OF THE INSTITUTE

Providestudent-centric education andtraining on cutting-edge technologies to make the students globally competitive and socially responsible citizens. Create an environment to strengthen the research, innovation and entrepreneurship to solve societal problems.

ABOUT THE DEPARTMENT

The department of Mechanical Engineering was established in the year 2009 with an initial intake of 60 students and with a consequent rise in intake to 120 and 180 respectively in the years 2012 and 2013 and from 2022 decreased to 30 till date.

The department is also offering M.Tech programs in Thermal engineering with an annual intake of 6 students.

The department currently has 1 professors, 6 Asociate professors and 15 Assistant professors having research/ academic/ consultancy/ industrial experience. Faculty research experience covers a wide range of core and extended fields like alternate fuels and IC engines, Manufacturing& Welding Technology, Robotics and CAD/CAM.

VISION OF THE DEPARTMENT

The Mechanical Engineering Department endeavors to be recognized globally for outstanding education and research leading to well qualified engineers, who are innovative, entrepreneurial and successful in advanced fields of mechanical engineering to cater the ever changing industrial demands and social needs.

MISSION OF THE DEPARTMENT

Impart highest quality education to the students to build their capacity and enhancing their
skills to make them globally competitive mechanical engineers and successful entrepreneurs.

Provide the students with academic environment of excellence, state of the art research
facilities, leadership, ethical guidelines and lifelong learning needed for a long productive
career.

PROGRAMM EDUCATIONAL OBJECTIVE'S (PEO'S)

PEO 1 To prepare the students to excel in undergraduate and post graduate in Mechanical engineering to mould their careers for successful employment in industry, academic and entrepreneurial activities

PEO 2 Graduates of the Mechanical engineering program will analyze and synthesize data and apply technical concepts which lead to the design of new products, improve upon existing products and systems and develop technical problem-solving skills

PEO 3 Graduates will excel in a wide range of Mechanical engineering fields such as Design, Analysis, multi-disciplinary areas

PEO 4 Graduates will have excellent oral and written communication skills, cooperative learning skills, ethical attitude and an ability to relate engineering issues to broader social environment.

PEO 5 Toprovide a passionate academic environment for students that encourage learning of emerging technologies, acquire leadership qualities and guidelines needed for a successful career and engage in lifelong learning.










FACULTY ACHIEVEMENTS

TSFA–UNESCO workshop marks International Day of Light at MLRIT

The Telangana Science Fair Academy (TSFA), in collaboration with UNESCO, organised a workshop for undergraduate engineering students at MLR Institute of Technology, Hyderabad, to commemorate the International Day of Light. Observed annually on May 16, the day marks the anniversary of the first laser operation in 1960.

BY TELANGANA TODAY PUBLISHED DATE - 30 DECEMBER 2025, 07:44 PM

FACULTY ACHIEVEMENTS

The Department of Mechanical Engineering at MLR Institute of Technology successfully organized the UNESCO “International Day of Light” in collaboration with TSFA (Telangana Science Fair Academy) under the theme “Light, Innovation, Society – 2K25” on 30-12-2025 at MLR Auditorium International Day Of Light.
The event brought together distinguished dignitaries, professors, faculty members, and students for an inspiring academic celebration International Day Of Light.
The program included the inauguration ceremony, lighting of the lamp, keynote addresses, guest lectures on IoT/IIoT/AIoT applications, and project presentations. The sessions highlighted the importance of science, technology, and innovation in solving real-world problems and encouraged students to connect engineering knowledge with societal applications International Day Of Light.

The event witnessed active student participation, strong teamwork, and excellent coordination by faculty and organizers. It not only enhanced technical knowledge but also fostered creativity, leadership, and collaborative learning among students. The celebrations concluded on a proud and memorable note, reinforcing MLRIT’s commitment to academic excellence, innovation, and holistic development.

FACULTY ACHIEVEMENTS

NPTEL ONLINE CERTIFICATION
(Funded by the MoE, Govt. of India)

This certificate is awarded to
DR RAVIKIRAN CHINTALAPUDI
for successfully completing the course
Steam Power Engineering

with a consolidated score of 58 %

Online Assignments	13.17/25	Proctored Exam	45/75

Total number of candidates certified in this course: 43

Jul-Sep 2025
(8 week course)

Dr. Salil Kashyap
Coordinator, Centre for Educational Technology, IIT Guwahati

Indian Institute of Technology Guwahati

Roll No: NPTEL25ME146S637004451 To verify the certificate No. of credits recommended: 2 or 3

Elite

NPTEL ONLINE CERTIFICATION
(Funded by the MoE, Govt. of India)

This certificate is awarded to
DR RAVIKIRAN CHINTALAPUDI
for successfully completing the course
Accreditation and Outcome Based Learning

with a consolidated score of 60 %

Online Assignments	21/25	Proctored Exam	38.5/75

Total number of candidates certified in this course: 1958

Aug-Oct 2025
(8 week course)

Prof. Haimanti Banerji
Coordinator, NPTEL IIT Kharagpur

Indian Institute of Technology Kharagpur

Roll No: NPTEL25GE63S458200234 To verify the certificate No. of credits recommended: 2 or 3

NPTEL ONLINE CERTIFICATION
(Funded by the MoE, Govt. of India)

This certificate is awarded to
DR RAVIKIRAN CHINTALAPUDI
for successfully completing the course
Research Methodology

with a consolidated score of 54 %

Online Assignments	14.5/25	Proctored Exam	39.25/75

Total number of candidates certified in this course: 4905

Prof. Andrew Thangaraj
Chair
Centre for Outreach and Digital Education, IITM

Jul-Sep 2025
(8 week course)

Prof. Vignesh Muthuvijayan
NPTEL Coordinator
IIT Madras

Indian Institute of Technology Madras

Roll No: NPTEL25GE66S337000398 To verify the certificate No. of credits recommended: 2 or 3

NPTEL ONLINE CERTIFICATION
(Funded by the MoE, Govt. of India)

This certificate is awarded to
DR RAVIKIRAN CHINTALAPUDI
for successfully completing the course
Teaching and Learning in General Programs: TALG

with a consolidated score of 58 %

Online Assignments	19.17/25	Proctored Exam	38.51/75

Total number of candidates certified in this course: 641

Jul-Aug 2025
(4 week course)

Prof. L. Umanand
NPTEL Coordinator & Chair, Centre for Continuing Education, IISc Bangalore

Indian Institute of Science Bangalore

Roll No: NPTEL25GE71S537003278 To verify the certificate No. of credits recommended: 1 or 2

DR RAVIKIRAN CHINTALAPUDI , senior associate professor, Mechanical Engineering, MLR Institute of technology, has been awarded certificate of course completion NPTEL funded by the MoE, Govt. of India. The course that he has completed is on ‘Accreditation and Outcome Based Learning’, ‘Research Methodology ’and ‘Steam Power Engineering’, ‘Teaching and Learning in General Programs: TALG’ and it is a 8week and 4 week course between Jul-Aug 2025, Jul-Sep 2025, Jul-Sep 2025 ,Aug-Oct 2025 ,. . The total number of candidates certified in this course 141. The faculty of mechanical department, MLRIT, appreciated his achievement.

STUDENT ACHIEVEMENTS

The Telangana Science Fair Academy (TSFA) – UNESCO Collaborative Workshop for Undergraduate Engineering Students In commemoration of International Day of Light was conducted at MLR Institute of Technology by department of mechanical engineering.

ME club of MLR Institute Of Technology had sucessfully oraganized the "International day of Light and TSFA workshop.

INDUSTRIAL VISITS

MLRIT
Raising Engineers
MLR INSTITUTE OF TECHNOLOGY

MECHANICAL ENGINEER'S CLUB

MLR Institute Of Technology

Department of mechanical Engineering

II[nd] & III[rd] Year MECH Students

INDUSTRIAL VISIT

At KGR Industries Charlapally, Hyderabad.

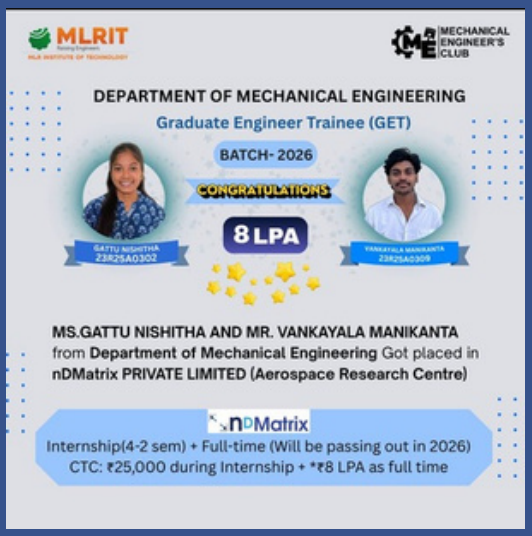
25[th] October 2025

KGR

On 25TH OCT 2025, the Department of Mechanical Engineering at MLR Institute of Technology organized an industrial visit to KGR Industries located in Cherlapalli. The purpose of this visit was to provide the students with practical exposure to the manufacturing processes and technologies employed in a real- world industrial setting. During the visit, the students were taken on a comprehensive tour of the manufacturing facility, where they observed various stages of the production process. They had the opportunity to witness the operation of advanced machinery and equipment used in metal fabrication, precision machining, and assembly lines. The guides explained the functioning and applications of different machines, providing valuable insights into the industrial practices and standards.

PLACEMENT CELL

6 students of Department of Mechanical Engineering being placed in INTERNSHIP and JOBS in various organizations in previous six months , the details of the best MNCs in the world with high package data as shown in Below.



K SRINIVAS - 23R25A0301 - SHAGARON - 3.6LPA
V VEDA VIKAS - 23R25A0306 - SVS HYDRULICS - 20K/MONTH
M VARUN - 23R25A0307 - MEPSTRA - 10K/MONTH

PROGRAM OUTCOMES -PROGRAM OUTCOMES ARE NARROWER STATEMENTS THAT DESCRIBE WHAT STUDENTS ARE EXPECTED TO KNOW AND BE ABLE TO DO BY THE TIME OF GRADUATION. THESE RELATE TO THE SKILLS, KNOWLEDGE, AND BEHAVIORS THAT STUDENTS ACQUIRE IN ENGINEERING EDUCATION.

PO1. Engineering Knowledge: Apply knowledge of mathematics, natural science, computing, engineering fundamentals and an engineering specialization as specified in WK1 to WK4 respectively to develop to the solution of complex engineering problems.

PO2. Problem Analysis: Identify, formulate, review research literature and analyze complex engineering problems reaching substantiated conclusions with consideration for sustainable development. (WK1 to WK4)

PO3. Design/Development of Solutions: Design creative solutions for complex engineering problems and design/develop systems/components/processes to meet identified needs with consideration for the public health and safety, whole-life cost, net zero carbon, culture, society and environment as required. (WK5)

PO4. Conduct Investigations of Complex Problems: Conduct investigations of complex engineering problems using research-based knowledge including design of experiments, modelling, analysis & interpretation of data to provide valid conclusions. (WK8).

PO5. Engineering Tool Usage: Create, select and apply appropriate techniques, resources and modern engineering & IT tools, including prediction and modelling recognizing their limitations
to solve complex engineering problems. (WK2 and WK6)

PO6. The Engineer and The World: Analyze and evaluate societal and environmental aspects while solving complex engineering problems for its impact on sustainability with reference to economy, health, safety, legal framework, culture and environment. (WK1, WK5, and WK7).

PO7. Ethics: Apply ethical principles and commit to professional ethics, human values, diversity and inclusion; adhere to national & international laws. (WK9)

PO8. Individual and Collaborative Team work: Function effectively as an individual, and as a member or leader in diverse/multi-disciplinary teams.

PO9. Communication: Communicate effectively and inclusively within the engineering community and society at large, such as being able to comprehend and write effective reports and design documentation, make effective presentations considering cultural, language, and learning differences.

PO10. Project Management and Finance: Apply knowledge and understanding of engineering management principles and economic decision-making and apply these to one’s own work, as a member and leader in a team, and to manage projects and in multidisciplinary environments.

PO11. Life-Long Learning: Recognize the need for, and have the preparation and ability for i) independent and life-long learning ii) adaptability to new and emerging technologies and iii) critical thinking in the broadest context of technological change. (WK8)

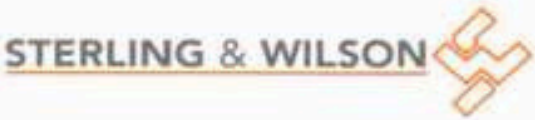
PROGRAM SPECIFIC OUTCOMES (PSOs)

PSO1: To solve complex mechanical engineering problems which enables students employable in reputed industries or self-entrepreneurs.

PSO2: To develop the new products/systems in collaboration with research & development centers and to continue higher education.

SUCCESS CONTINUES...

Recruiters at MLRIT



and 80 more success companies