



# MLRITM

## 2025

### DEPARTMENT OF MECHANICAL ENGINEERING

# ZENITH





# MLRITM

DEPARTMENT OF MECHANICAL ENGINEERING

## **Vision of the Department**

The Mechanical Engineering Department strives to foster innovation, excellence, and leadership in education and research, advancing sustainable development globally.

## **Mission of the Department**

DM1: To provide innovative and sustainable technology solutions to solve a wide range of complex scientific and technological challenges in the Mechanical Engineering field.

DM2: To enhance employability, leadership skills, and research capabilities through industry collaboration and experiential learning.

DM3: To nurture students as ethical and resilient professionals committed to lifelong learning.

DM4: To promote excellence in emerging interdisciplinary fields to support sustainable global progress.



# MLRITM

## DEPARTMENT OF MECHANICAL ENGINEERING

### **ABOUT MECHANICAL ENGINEERING**

*“Engineering the Art of Motion, the Science of Purpose, and the Future of Possibility.”*

*Where imagination meets mechanism, and innovation drives progress — the Department of Mechanical Engineering embodies the spirit of engineering excellence. Since its inception in 2009, the department has evolved from a foundation in core mechanical sciences to a centre of advanced technology, research, and design innovation.*

*Accredited by the National Board of Accreditation (NBA) and recognized as a Research Centre by JNTU Hyderabad, the department is deeply committed to redefining engineering education through a perfect blend of fundamental principles and future technologies such as Robotics, Additive Manufacturing, Smart Materials, and Drone Systems. Its state-of-the-art Centres of Excellence — including the Smart Materials Lab, Robotics and Automation Lab, Additive Manufacturing Lab, and CAD/CAM Lab — provide students with hands-on exposure to cutting-edge tools and collaborative innovation.*

*A legacy of strong placement outcomes and industry integration stands as testimony to its academic depth and professional relevance. Graduates of the department are recruited by leading national and international organizations including TATA Steel, TATA Advanced Systems Ltd, Mahindra, Hyundai, GE Vernova, Cyient, and Infosys, achieving packages up to ₹15 LPA. Through active engagement in professional platforms like the Society of Automotive Engineers (SAE), students translate creativity into real-world engineering, mastering teamwork, design, and leadership.*

*With a forward-looking vision and a foundation built on excellence, the Department continues to shape engineers who design, innovate, and lead — building a sustainable and intelligent future for global industry.*



# MLRITM

## DEPARTMENT OF MECHANICAL ENGINEERING

### **MARRI LAXMAN REDDY - Chairman**

*SriMarri Laxman Reddy, Founder Chairman of Marri Educational Group, has been dedicated to quality education for 22 years. He established MLRITM in 2009 and founded MLR Institute of Technology, MLR Institute of Pharmacy, and St. Martin's institutions. A renowned athlete, he continues to inspire academic excellence.*

*Mr. M. Rajasekhar Reddy, Founder Secretary of MLR Institute of Technology, is a visionary leader dedicated to academic excellence. Inspired by his father, he established Institute of Aeronautical Engineering and other institutions. Committed to industry-oriented education, he strives to make MLRITM a leading brand and ensure top placements for students.*



# MLRITM

DEPARTMENT OF MECHANICAL ENGINEERING

## SECRETARY MAM MESSAGE



***Ms. Marri Anu Shreya Reddy***

*With an eye for the future and a heart rooted in purpose, Ms. Marri Anu Shreya Reddy brings a new dimension of thought and leadership to the Marri Educational Society.*

*Her vision redefines education as a transformative journey — one that cultivates intellect, emotional depth, and social awareness in equal measure.*

*She champions innovation in learning and encourages students to become responsible global citizens who contribute meaningfully to society.*



# MLRITM

DEPARTMENT OF MECHANICAL ENGINEERING

## **DIRECTOR'S MESSAGE**



***DR. P SRIVIDHAR***

***M. TECH., PH.D., MISTE***

*At MLRITM, we believe in nurturing well-rounded individuals prepared for a dynamic world. Our focus extends beyond academics to shaping confident, responsible, and future ready professionals. Through a vibrant learning environment, global exposure, and continuous innovation, we empower students to grow, lead, and make a meaningful impact on society*



# MLRITM

DEPARTMENT OF MECHANICAL ENGINEERING

## PRINCIPAL SIR MESSAGE



**DR. R. MURALI PRASAD**  
**M. TECH., PH.D., MISTE**

*MLRITM stands as a centre of academic excellence with a strong emphasis on quality education and holistic development. With dedicated faculty, modern infrastructure, and a student-centric approach, we nurture talent and encourage innovation. Our goal is to empower students with the competence, confidence, and values needed to succeed in their professional journey.*



# MLRITM

DEPARTMENT OF MECHANICAL ENGINEERING

## HOD'S MESSAGE



**DR. U. SUDHAKAR**  
**M.TECH., PH.D., MISTE**  
**HOD - MECH**

*The Mechanical Engineering Department at Marri Laxman Reddy Institute of Technology and Management, Dundigal, Hyderabad, offers UG and PG programs with a specialization in CAD/CAM. Committed to excellence, the department equips students with advanced technological skills for careers in industry, research, and academia.*

*With a strong foundation in mathematics, science, and engineering, students engage in team projects, leadership roles, and professional ethics.*

*The department fosters lifelong learning and industry interaction through SAEINDIA and IEI memberships, enabling participation in competitions and collaborations with professionals, faculty, and peers from other institutions for holistic development.*



# MLRITM

## DEPARTMENT OF MECHANICAL ENGINEERING *Sankranti 2025*



*Sankranti is a vibrant festival celebrated in MLRITM college with enthusiasm, marking the harvest season. The event includes traditional activities like kite flying, rangoli competitions, cultural performances, and festive food stalls. Students and faculty come together to enjoy folk dances, music, and fun games, fostering unity and cultural appreciation. The celebration adds joy to campus life, creating lasting memories for everyone involved.*



# MLRITM

DEPARTMENT OF MECHANICAL ENGINEERING

## *Workshop on Fusion*

**MLRITM**  
MARRI LAXMAN REDDY INSTITUTE  
OF TECHNOLOGY AND MANAGEMENT

**ICTACADEMY**

**AUTODESK**

EAPCET CODE: MLRS

DEPARTMENT OF MECHANICAL ENGINEERING

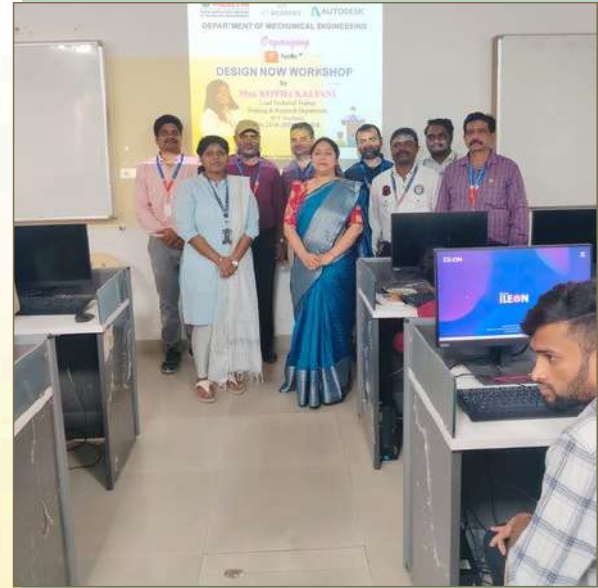
*Organizing*

**F** Fusion

**DESIGN NOW WORKSHOP**

by  
**Mrs. KOTHA KALYANI**  
Lead Technical Trainer  
Training & Research Department,  
ICT Academy  
On 24-01-2025 @ SR 408

Dundigal, Hyderabad, Telangana-43, [www.mlritm.ac.in](http://www.mlritm.ac.in)



*A workshop on Fusion was conducted at MLRITM College by Mrs. K. Kalyani, providing students with valuable insights into advanced concepts and applications. The session covered key aspects of Fusion technology, its significance, and real-world implementations. With interactive discussions and hands-on demonstrations, participants gained practical knowledge, enhancing their understanding of the subject. The workshop was well-received, fostering curiosity and innovation among attendees.*



# MLRITM

DEPARTMENT OF MECHANICAL ENGINEERING

## *Bike show 2025*



The Bike Show at MLRITM College was a thrilling event that showcased high-performance motorcycles, stunt performances, and customized bike displays. Enthusiasts gathered to witness skilled riders perform breathtaking stunts, demonstrating precision and control. The event created an electrifying atmosphere, drawing huge participation from students and faculty. It was a perfect blend of adrenaline, passion for biking, and entertainment, making it a memorable experience for everyone.





# MLRITM

DEPARTMENT OF MECHANICAL ENGINEERING

## TECH FEST

**MARRI LAXMAN REDDY**  
Institute of Technology and Management  
(Approved By AICTE, New Delhi & Affiliated to JNTU Hyderabad)  
Dundigal, Medchal (OD), Hyderabad, Telangana, India - 500 043.  
(UGC - AUTONOMOUS)

**DEPARTMENT OF MECHANICAL ENGINEERING**

**MEEHATRON**  
Valorous-2k25  
MARCH 28 & 29

**Technical :-**

- PPT Presentation.
- Lathe war.
- Welding.

**Non-Technical**

- Laser walk.
- Balloon blast.
- Memory game.
- Slow cycling.

**FACULTY CO-ORDINATOR :-**  
K. Venkateshwara Reddy  
( 8374775466 )

**Registration Fee :- ₹100**

MLRITM proudly hosted Mechatron Valorous 2K25, an exciting Tech Fest showcasing innovation, technology, and engineering excellence. The event featured PPT presentation, Lathe war, welding and Non technical events like Laser walk, baloon blast, memory game and slow cycling attracting tech enthusiasts from various disciplines. Expert talks and interactive sessions provided valuable insights into emerging trends in automation, AI, and mechanical advancements. Students demonstrated their creative problem-solving skills through live demonstrations and prototype models. The fest fostered teamwork, innovation, and technical expertise, creating an engaging platform for aspiring engineers. Mechatron Valorous 2K25 was a resounding success, inspiring students to push the boundaries of technology and engineering solutions.



# MLRITM

DEPARTMENT OF MECHANICAL ENGINEERING

## *Industrial Visit*



The Mechanical Engineering students of MLRITM recently visited a Handloom Development & Manufacturing Unit in Bhodan Pochampally, a region renowned for its rich tradition of Pochampally Ikat weaving. The visit provided an insightful experience into the handloom industry, where students observed the intricate processes of yarn dyeing, weaving, and fabric production. Experts at the unit explained the role of traditional craftsmanship combined with modern techniques in sustaining this heritage art. The visit helped students understand the mechanical aspects of looms, material selection, and quality control, bridging the gap between engineering principles and textile manufacturing.



# MLRITM

## DEPARTMENT OF MECHANICAL ENGINEERING



On Women's Day, MLRITM organized the "Selfie with Daughter" campaign to celebrate the bond between parents and daughters while promoting gender equality. Faculty, staff, and students enthusiastically participated, capturing memorable moments with their daughters. The event emphasized women's empowerment, love, and the importance of supporting and uplifting daughters.

MLRITM organized the Fit India Campaign to promote a healthy and active lifestyle among students and faculty. The event featured fitness activities, yoga sessions, and awareness programs on well-being. Participants engaged in exercise routines and motivational talks, reinforcing the importance of physical fitness, mental health, and overall wellness.





# MLRITM

DEPARTMENT OF MECHANICAL ENGINEERING



*MLR Institute of Technology and Management (MLRITM) successfully hosted the 3rd International Conference, bringing together global experts, researchers, and industry leaders to discuss the latest advancements in science, engineering, and technology. The conference served as a premier platform for knowledge exchange, research presentations, and industry-academia collaborations.*



# MLRITM

## DEPARTMENT OF MECHANICAL ENGINEERING



*With keynote addresses by renowned academicians and industry professionals, the event covered diverse topics such as AI, robotics, cybersecurity, renewable energy, and IoT. The conference featured technical sessions, panel discussions, hands-on workshops, and student competitions, encouraging innovation and interdisciplinary research.*

*A key highlight was the industry-academia collaboration, with MoUs signed to foster research partnerships, internships, and technological advancements. Participants from multiple countries contributed, making the event truly international and impactful. The conference's success reaffirms MLRITM's commitment to academic excellence and technological innovation, setting the stage for future global collaborations and research breakthroughs.*



**CHIEF GUEST**



**GUEST OF HONOUR**



**KEY NOTE SPEAKER**



**KEY NOTE SPEAKER**

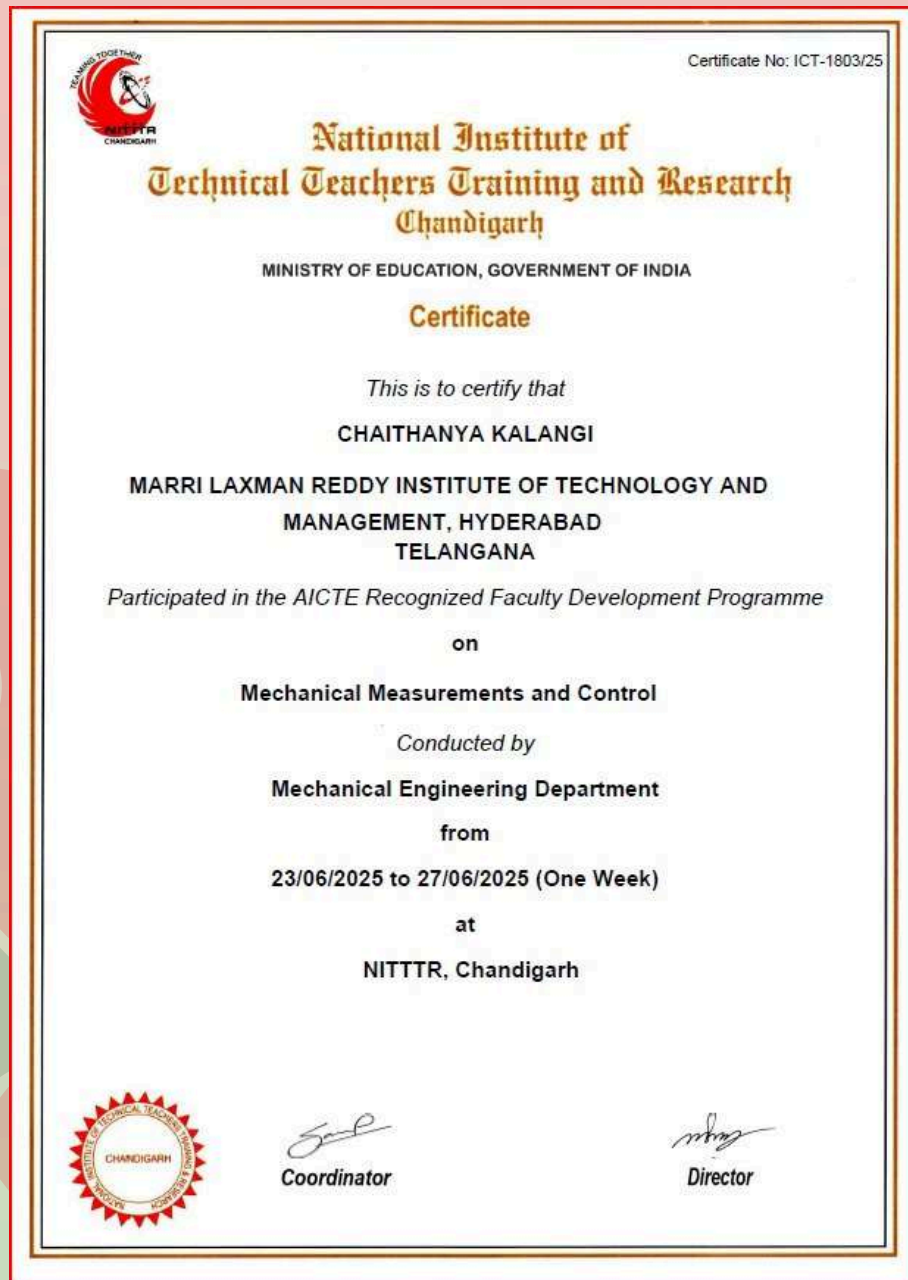


# List of Publications

1	Dr. U. Sudhakar	Thermally Induced Residual Stresses in SS321 Welded Joints Using CO2 Laser Beam: FEA and Experimental Study
2	Dr. K. V Raghavulu	Residual stresses and microstructure analysis of SS316L impeller part using selective lasermelting: simulation and experimental validation
3		Sustainable enhancement of mechanical and wear properties in natural fiber composites: integration of bio-waste fillers and taguchi optimization for bio medical applications
4	Dr. S. P. Jani	Enhancing mechanical and erosive properties of hybrid polymer composites using synergistic fiber-filler interactions
5		Optimization of TIG welding parameters and filler rod material selection for dissimilar aluminum alloy joints
6	Dr. K. Sravanthi	



# Faculty Achievements



Attended FDP on Mechanical Measurements & Control at NITTTR Chandigarh attended by Dr. K. Chaithanya Ma'am. Gained valuable insights on instrumentation, data acquisition, and control systems for mechanical applications.



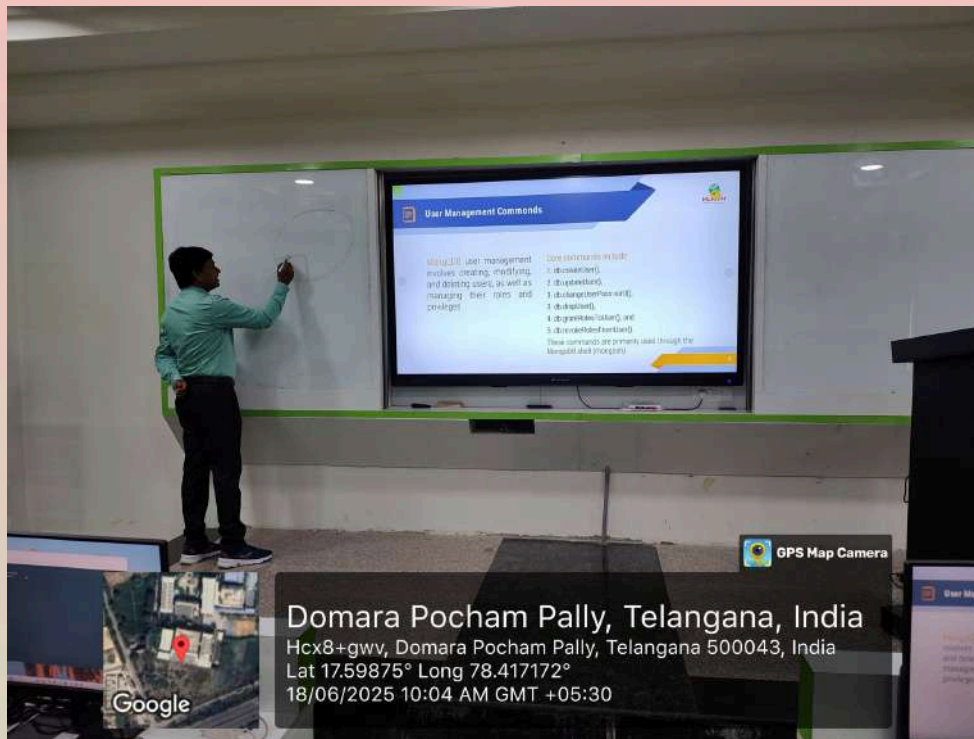
# Faculty Achievements



The "Python for Beginners" course attended by Dr. U. Sudhakar at NIT Calicut from 12th to 16th June 2025 offered a strong foundation in Python programming. It covered basic syntax, data types, control structures, and functions, helping participants gain practical coding skills through hands-on exercises and guided sessions.



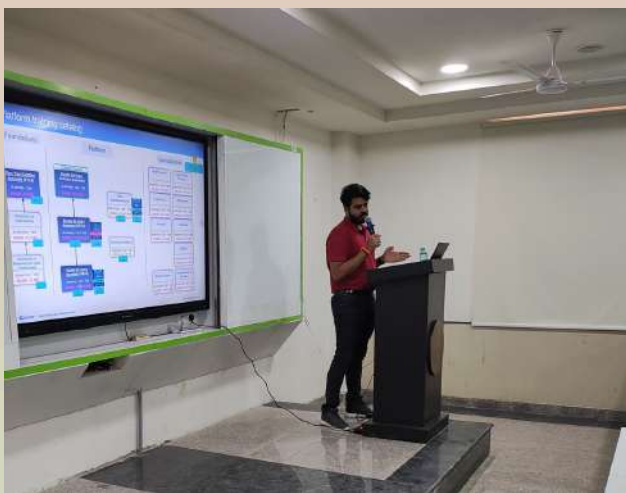
# Mongo DB FDP Program



*The 3-day MongoDB Faculty Development Program (FDP) at MLRITM featured insightful afternoon sessions covering advanced MongoDB topics. Participants explored SQL to MongoDB translation, aiding the transition from relational to NoSQL databases. The sessions highlighted powerful text search capabilities for handling unstructured data efficiently. Techniques for performing partial updates using specific operators like \$set were demonstrated, enabling efficient data modification. Additionally, methods for controlling query results through document limiting with limit() and skip() were discussed. These sessions provided participants with practical, hands-on experience, deepening their understanding of MongoDB's flexibility and effectiveness in modern data-driven applications and real-world implementation.*



# Zscaler FDP Program



The AICTE ATAL- EduSkills Faculty Development Program (FDP) on Zscaler Zero Trust Cloud Security is scheduled to be held from May 12th to May 17th, 2025. This program aims to enhance faculty knowledge and skills in implementing Zero Trust security models within cloud environments, focusing on Zscaler's innovative solutions. Participants will engage in comprehensive sessions covering cloud security fundamentals, Zscaler platform functionalities, and best practices for securing organizational data in a digital landscape. The FDP will facilitate hands-on training, expert interactions, and collaborative learning to equip educators with current cybersecurity strategies essential for modern IT infrastructure.



# Drone EXPO



*The visit to the Drone Expo Conference was an enriching experience, showcasing the latest advancements in drone technology and its diverse applications. The event featured live demonstrations, technical sessions, and exhibitions from leading drone manufacturers and innovators. Participants explored cutting-edge solutions in areas such as agriculture, surveillance, logistics, and disaster management. Experts presented on topics like drone regulations, autonomous navigation, and AI integration. The conference offered valuable networking opportunities with industry professionals, researchers, and startups. Overall, the visit provided a comprehensive understanding of the evolving drone ecosystem and inspired new ideas for implementing drone technology in real-world applications.*



# AKHYANTARA WORKSHOP

## AKHYANTARA

THE CELEBRATION OF LITERATURE

### Workshops: English in Workspace & Creative Writing



**Ramakanth Konatham**  
Associate Vice President-State Street



**Vinay Kumar P**

**26.04.2025 | 10.30 AM | MLRITM**



*the Akhyantara Literary Fest-2025 , an immersive celebration of the written word that promises a vibrant mix of activities! Engage in thought-provoking panel discussions, explore your creativity in workshops , and showcase your talent during open mic sessions. Capture the spirit of the fest with our photography contest and chase adventure in a fun-filled treasure hunt. Enjoy live performances by talented bands as we create an atmosphere that inspires and connects literary enthusiasts from all walks of life. Don't miss this chance to dive deep into the literary arts and celebrate creativity with fellow wordsmiths!*



# MLRITM On Media

## సాక్షి

### ఎంఎల్ఆర్ఐటీఎంలో ఘనంగా వార్షిక వేడుకలు



విద్యార్థులకు ట్రోఫీని అందజేస్తున్న కళాశాల ప్రతినిధులు

దుండిగల్: ప్రముఖ వర్తమాన గాయకుడు యశస్వి తన గాత్రంతో ఆలరించాడు. కళాశాలలో జరిగిన ఈవెంట్లో విద్యార్థులను ఉర్రూతలూగించాడు.

దుండిగల్లోని మర్రి లక్ష్మణ్ రెడ్డి ఇన్స్టిట్యూట్ ఆఫ్ టెక్నాలజీ అండ్ మేనేజ్మెంట్, ఫార్మసీ కళాశాలలో ఎలిసియం 2024 పేరిట వార్షిక వేడుకలను ఘనంగా నిర్వహించారు. యశస్వి, రాగ్ బ్యాండ్ ఆలపించిన గీతాలతో ఆ ప్రాంతం సంగీత మయంగా మారింది. అనంతరం వివిధ రంగాల్లో ప్రతిభ కనబర్చిన విద్యార్థులకు కళాశాల ట్రెజరర్ మమతారెడ్డి, చైర్మన్ మర్రి లక్ష్మణ్ రెడ్డి, బోర్డ్ ఆఫ్ డైరెక్టర్లను శ్రేయారెడ్డి బహుమతులను అందజేశారు. కార్యక్రమంలో డైరెక్టర్ డా. పి శ్రీధర్, ప్రిన్సిపాల్ మురళి ప్రసాద్, ఫార్మసీ ప్రిన్సిపాల్ డా. అర్జున్ మాలిక్, కళాశాల విద్యార్థులు, అధ్యాపకులు పాల్గొన్నారు.

## ఈనాడు

### సందడిగా కళాశాల వార్షికోత్సవం



బహుమతులు అందుకున్న విద్యార్థుల బృందం

దుండిగల్, న్యూస్టుడే: దుండిగల్లోని ఎంఎల్ఆర్ఐటీఎం, ఫార్మసీ కళాశాలలో శనివారం ఎలిసియం ఎక్స్ ఎపోసీ పేరిట వార్షికోత్సవాన్ని నిర్వహించారు. గాయకుడు యశస్వి తన పాటలతో విద్యార్థులను ఆలరించారు. రాగ్ బ్యాండ్ సభ్యులు తమ సంగీతంతో విద్యార్థులను ఉర్రూతలూగించారు. ఈ విద్యా సంవత్సరంలో చదువుతోపాటు క్రీడల్లో రాణించిన విద్యార్థులకు బహుమతులు అందజేశారు. కళాశాల చైర్మన్ లక్ష్మణ్ రెడ్డి, బోర్డ్ ఆఫ్ డైరెక్టర్ అను శ్రేయారెడ్డి, కోశాధికారి మమతారెడ్డి, డైరెక్టర్ శ్రీధర్, ప్రిన్సిపాల్ మురళి ప్రసాద్, అర్జున్ మాలిక్, తదితరులు పాల్గొన్నారు.

## నమస్తే తెలంగాణ



విద్యార్థులకు ట్రోఫీ అందజేస్తున్న మర్రి మమత రాజశేఖర్ రెడ్డి

### ఘనంగా ఎంఎల్ఆర్ వార్షికోత్సవం

దుండిగల్: దుండిగల్ లోని మర్రి లక్ష్మణ్ రెడ్డి ఇన్స్టిట్యూట్ ఆఫ్ టెక్నాలజీ అండ్ మేనేజ్మెంట్ అండ్ ఫార్మసీ (ఎంఎల్ఆర్ఐటీఎం) కళాశాలలో శనివారం రాత్రి వార్షికోత్సవాన్ని ఘనంగా నిర్వహించారు. ఎలిసియం - 2 కే 25 పేరిట నిర్వహించిన వేడుకల్లో కళాశాల విద్యార్థులు, అధ్యాపకులు, నాలుగు వేల వరకు మంది పాల్గొన్నారు. ముఖ్యఅతిథిగా కళాశాల ట్రెజరర్ మర్రి మమతా రాజశేఖర్ రెడ్డి మాట్లాడుతూ.. విద్యార్థులు నూతన సాంకేతిక అభివృద్ధికి తోడ్పడాలని,

తల్లిదండ్రుల ఆశయాలను నెరవేర్చాలని, కళాశాలకు మంచి పేరు తీసుకురావాలని కోరారు. సాంస్కృతిక ప్రదర్శనలు, సంగీత కచేరి ఆలరించింది. ప్రముఖ గాయకుడు యశస్వి, రాగ్ బ్యాండ్ ప్రేక్షకులను ఆకట్టుకున్నారు. కార్యక్రమంలో కళాశాల చైర్మన్ మర్రి లక్ష్మణ్ రెడ్డి, బోర్డ్ ఆఫ్ డైరెక్టర్లను శ్రేయారెడ్డి, ట్రెజరర్ మమత రాజశేఖర్ రెడ్డి, డైరెక్టర్ డా.పి శ్రీధర్, ప్రిన్సిపాల్ డా. మురళి ప్రసాద్, ఫార్మసీ విభాగం ప్రిన్సిపాల్ డా.అర్జున్ మాలిక్ పాల్గొన్నారు.



# Faculty Development Program



**MLRIT**  
Raising Engineers  
MLR INSTITUTE OF TECHNOLOGY

3-Day Faculty Development Program on  
**The Impactful Classroom: Design, Engage, Reflect**

This certificate is awarded to  
*K. Venkateswara Reddy*  
of Marri Laxman Reddy Institute of Technology and Management for participating in 3-Day faculty development program on *The Impactful Classroom: Design, Engage, Reflect* conducted by Dr. Sridhar Condoor, Professor at Saint Louis University, USA, organised by MLR Institute of Technology, Hyderabad during 17<sup>th</sup>-19<sup>th</sup> July 2025.

  
Dr. Sridhar Condoor  
Professor of Aerospace and Mechanical Engineering;  
Department Chair  
Saint Louis University, USA

  
Dr. K. Srinivas Rao  
Principal  
MLR Institute of Technology



**Directorate of Entrepreneurship, Innovation and Start-ups**



**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD**



**CERTIFICATE**

*This is to certify that Mr/Ms JANI S P of MARRI LAXMAN REDDY INSTITUTE OF TECHNOLOGY AND MANAGEMENT has participated in an Online Four Week Faculty Development Program (FDP) on "IGNITE Certification Program" organized by Directorate of Entrepreneurship, Innovation and Start-ups from 30.06.2025 to 25.07.2025 (Online).*

  
**Prof. R. Sridevi**  
DIRECTOR  
Directorate of Entrepreneurship, Innovation & Start-ups

  
**Prof. K Venkateswara Rao**  
REGISTRAR  
JNTUH, Hyderabad


SI.No.DEIS/2025/14/011

# List of Publications

1	Dr. U. Sudhakar	Investigating the mechanical and microstructural analysis of AA7075/SiC/SiO <sub>2</sub> hybrid composite fabricated through microwave sintering technique
2	Dr. K. V Raghavulu	Residual stresses and microstructure analysis of SS316L impeller part using selective laser melting: simulation and experimental validation
3		Enhancing the coefficient of performance in vapour compression refrigeration systems with carbon nanotube lubricant additives: an experimental study
4	Dr. G. Surya Prakash Rao	Modeling and experimental comparison of residual stresses and microstructure in UNS S32507 welds using Gas Tungsten Arc and Laser Beam Welding processes
5		Modeling and experimental comparison of residual stresses and microstructure in UNS S3207 welds
6	Dr. K. Vijaya Bhaskar Reddy	Multiphysics Simulation study on impact of inter layer characteristics on Microwave joining of Hostelloy
7	Dr. S. P. Jani	Evaluation of Mechanical Properties and Performance in Dissimilar Tungsten Inert Gas Welding of Aluminum Alloy Using Variable %wt of Scandium Reinforced Electrode



# Faculty Achievements



## Elite

### NPTEL ONLINE CERTIFICATION

(Funded by the MoE, Govt. of India)

This certificate is awarded to  
**SUDHAKAR UPPALAPATI**  
for successfully completing the course


#### Robotics

with a consolidated score of **68** %


Online Assignments	23.33/25	Proctored Exam	45/75
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Total number of candidates certified in this course: **631**


**Jul-Sep 2025**  
(8 week course)




*H. Banerji*  
**Prof. Haimanti Banerji**  
Coordinator, NPTEL  
IIT Kharagpur




**Skill India**  
कौशल भारत - कुशल भारत



Indian Institute of Technology Kharagpur



FREE ONLINE EDUCATION  
**swayam**  
विद्यया ऽ मृतमश्नुते, ज्ञानं मृतमश्नुते

Roll No: NPTEL25ME166S637002572      To verify the certificate       No. of credits recommended: 2 or 3



ATAL/2025/1758538799

### ALL INDIA COUNCIL FOR TECHNICAL EDUCATION

Nelson Mandela Marg, Vasant Kunj, New Delhi - 110070

#### Participant Completion Certificate

*It is certified that Dr. Jani S P, Associate Professor of MLRITM has successfully participated & completed Workshop under AICTE - Vibrant Advocacy for Advancement and Nurturing of Indian Languages (VAANI) on Smarter Tomorrow: AI and Data Science in Action in Telugu language at MARRI LAXMAN REDDY INSTITUTE OF TECHNOLOGY AND MANAGEMENT from 23/09/2025 to 25/09/2025.*

*Prasad*  
**BANOTH PRASAD**  
Assistant Professor Level (AICTE Institute), Coordinator  
**MARRI LAXMAN REDDY INSTITUTE OF TECHNOLOGY AND MANAGEMENT**

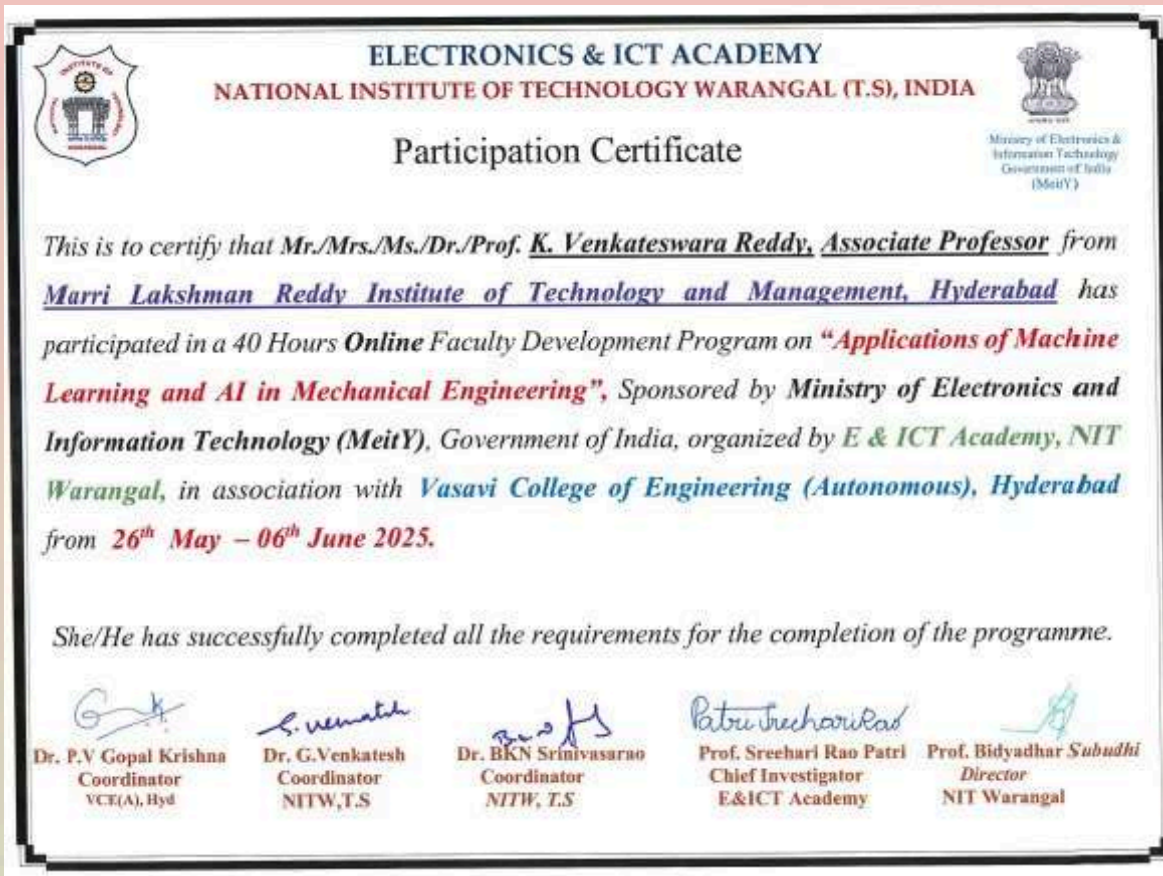
*S*  
**Dr. Sunil Luthra**  
Director & Bureau Head  
**Training and Learning Bureau, AICTE**



# Faculty Achievements



# Faculty Achievements



# Student Achievements



# Alumni Interaction Program



*The Star Alumni Interaction Program conducted by Mr. George, a distinguished alumnus of MLRITM College, served as an inspiring and informative session for students. Mr. George shared his professional journey, experiences in the corporate world, and insights into current industry trends. He emphasized the importance of technical skills, communication, and adaptability in achieving career success. The session motivated students to set clear career goals, stay updated with evolving technologies, and develop a strong professional network. It also strengthened the bond between alumni and the institution, showcasing how MLRITM nurtures talent that excels in diverse professional domains.*



# Career Guidance Program



*The Career Guidance Program conducted by Sparv Technologies at MLRITM College aimed to bridge the gap between academic learning and industry expectations. Experts from Sparv Technologies guided students on emerging technologies, career planning, and essential employability skills. The session covered topics such as resume building, interview preparation, and the importance of continuous skill enhancement. Students gained valuable insights into real-world challenges and opportunities in various engineering fields. The program encouraged participants to identify their strengths, align their goals with industry trends, and prepare effectively for future careers, fostering confidence and readiness for professional success.*



# M. Tech Publications

2023 - 2025 batch

Student Details	Title of the Paper	Name of the Journal/Conference
R. Dheeraj 237Y1D0401	Investigating the Mechanical & Microstructural analysis of AA7075/SiC/SiO <sub>2</sub> hybrid composite	Russian Physics Journal
K. Hari Krishna 237Y1D0402	Mechanical Performance Evaluation of Chopped Carbon Fiber-Reinforced PA6 Composites Fabricated via FDM 3D Printing	IEEE Conference
M. Himagiri Nai 237Y1D0403	Effect of heat treatment on mechanical and damping properties of PLA and PLA/CF parts produced by fused deposition modelling	Strength of material
M. Krishnaiah Teja 237Y1D0404	Effect of Fused Filament Fabrication on the Tribological Behaviour of Carbon Fiber-Reinforced PETG	IEEE Conference
R. Mahidhar 237Y1D0405	Tribological analysis of carbon fiber filled PC composite by using fused filament fabrication (FFF)	
N. Pawan Kumar 237Y1D0407	Comparative Analysis and Mechanical Properties of PLA and PLA/Carbon Fibre-Reinforced Composites with Varied Layer Thicknesses and Curing Process	IEEE Conference



# M. Tech Publications

2023 - 2025 batch

Student Details	Title of the Paper	Name of the Journal/Conference
N. Pawan Kumar 237Y1D0407	Comparative Analysis and Mechanical Properties of PLA and PLA/Carbon Fibre-Reinforced Composites with Varied Layer Thicknesses and Curing Process	IEEE Conference
K. Shiva Sai 237Y1D0409	Mechanical Properties Analysis on 3D Printed Hybrid PETG Composites	IEEE Conference
A.Vamshi Krishna 237Y1D0409	3D Printing of Polycarbonate-Carbon Fiber Composites Using L9 Orthogonal Array	IEEE Conference
Shaik Abdul asif 237Y1D0409	Tribological Properties of Carbon Fiber-Filled Polyamide 6 Composites Manufactured by FFF	IEEE Conference



# Events

## Advanced CAD Modeling using SolidWorks and Fusion 360



**MLRITM**  
MARRI LAXMAN REDDY  
INSTITUTE OF TECHNOLOGY  
AND MANAGEMENT

DEPARTMENT OF  
MECHANICAL ENGINEERING

Workshop on  
**ADVANCED  
CAD MODELING**  
USING  
**SOLID WORKS &  
FUSION 360**

**HANDS-ON WORKSHOP**

**Adithya Kalyan**  
Trainer,  
CITD, Hyderabad

**24<sup>th</sup> October 2025**

**09:00 AM onwards**

**Mechanical CAD Lab**

The poster features a large image of a computer monitor displaying a 3D CAD model of a mechanical part, with a hand visible at the bottom right corner. The background is white with blue and yellow accents.

The Workshop on Advanced CAD Modeling using SolidWorks and Fusion 360 was highly successful in enhancing the technical skills of PG students. It provided valuable practical exposure and strengthened their understanding of modern CAD/CAM tools, preparing them for industry and research opportunities



# Events

## Career Guidance Program



MARRI LAXMAN REDDY  
INSTITUTE OF TECHNOLOGY  
AND MANAGEMENT

DEPARTMENT OF  
MECHANICAL ENGINEERING

*Career Guidance Program*

### EXPERT TALK ON CAREER OPPORTUNITIES IN INDUSTRY

 **Mr. Singaraya**  
SPAR V Technologies

 01<sup>st</sup> August 2025

 10:00 AM onwards



The Career Guidance Program was highly beneficial in helping students understand career opportunities and prepare for their professional journey. It enhanced their confidence and provided a clear roadmap for achieving their career goals.

