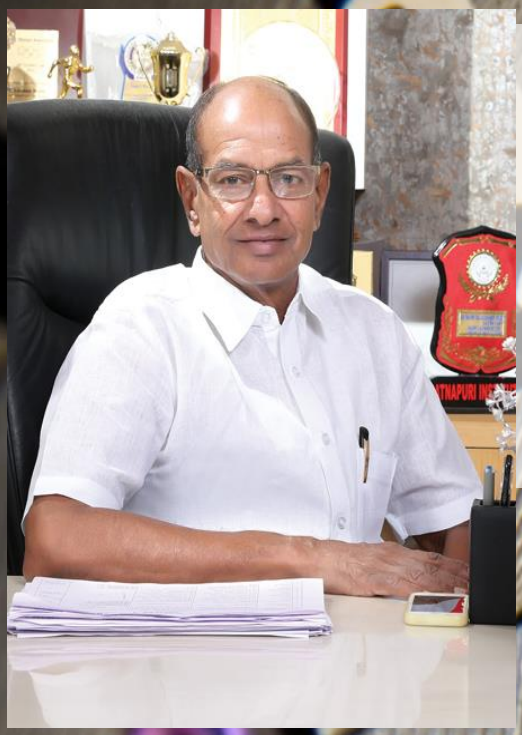
ZENITH

2021-22

DEPARTMENT OF MECHANICAL ENGINEERING

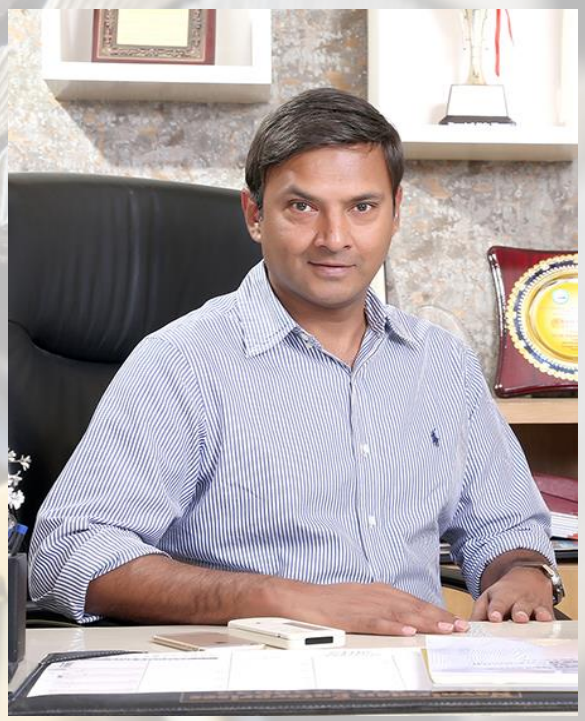
JAN 2022- JUNE 2022- VOLUME 02

MANAGEMENT @MLRITM

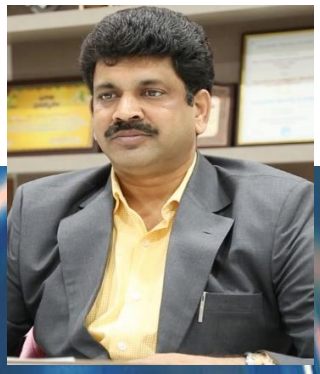


Sri Marri Laxman Reddy, the founder Chairman of Marri Educational Group of Institutions has been in the field of education from the last 22 years with the aim of spreading quality education among children at the school & college level. Marri Laxman Reddy Institute of Technology & Management is the culmination of his dreams and was establised during year 2009 by Marri Educational Society.

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. Inspired by his father, Mr. M. Laxman Reddy has a credit of establishing Institute of Aeronautical Engineering adding a new flavour to St. Martin's group of Institutions and Vidyanjali Grammer School.



Dr. K VENKATESWARA REDDY, Principal



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.

HOD's MESSAGE

The faculty in the department is highly skilled and committed. The department works to educate and teach students in the newest technology. In order to fulfil the demands of advancing technology, the department's goal is to educate students for successful careers in industry, research, and academia. Our goals are to help students become more adept at combining information and technological ideas for use in product design. Students get the chance to work on diverse projects as a team member or as the project leader thanks to the department. It gives students a solid foundation in the mathematical, scientific, and engineering principles required to create, solve, and evaluate engineering issues and to get them ready for further study and research. In addition to educating students about professional ethics and norms, we encourage them to pursue lifelong learning.

Memberships in professional organizations like SAEINDIA and the Institution of Engineers are linked with the Department of Mechanical Engineering for the benefit of the student's overall growth (India). Student can learn more and engage with industry engineers as well as students and faculty from other schools and institutions through the many activities of these professional groups and chapters. The division promotes student participation in various competitions.

Program Educational Objectives:

PEO1: Graduates shall emerge as successful Mechanical engineer's as their career progress

PEO2: Graduates apply fundamentals of engineering, in practical applications and engage in active research.

PEO3: Mechanical Graduates shall have the ability to design products with interdisciplinary skills.

PEO4: Graduates will serve the society with their professional skills

Programme Specific Outcomes:

PS01: Students acquire necessary technical skills in mechanical engineering that make them employable graduate.

PSO2: An ability to impart technological inputs towards development of society by becoming an entrepreneur

DEPARTMENT OF MECHANICAL ENGINEERING

VISSION AND MISSION

DEPARTMENT OF MECHANICAL ENGINEERING

Vision

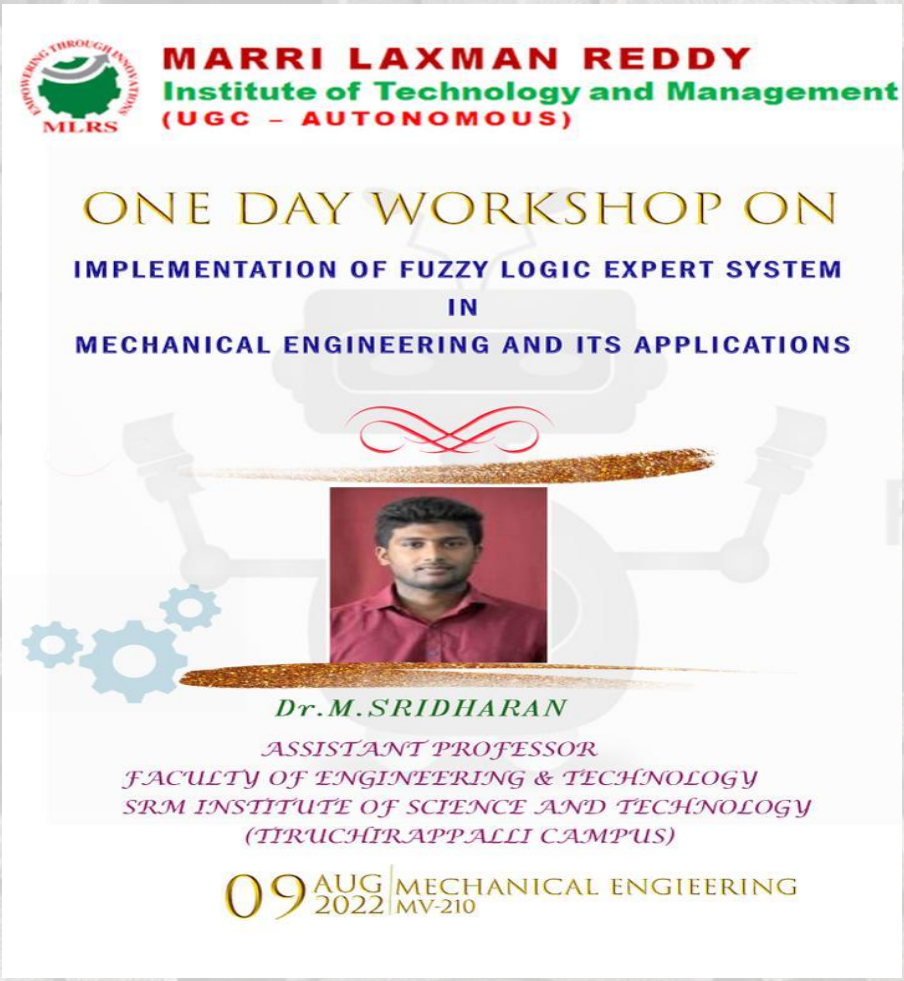
"The Mechanical Engineering Department strives for immense success in the field of education, research and development by nurturing the budding minds of young engineers inventing sets of new designs and new products which may be envisaged as the modalities to bring about a green future for humanity"

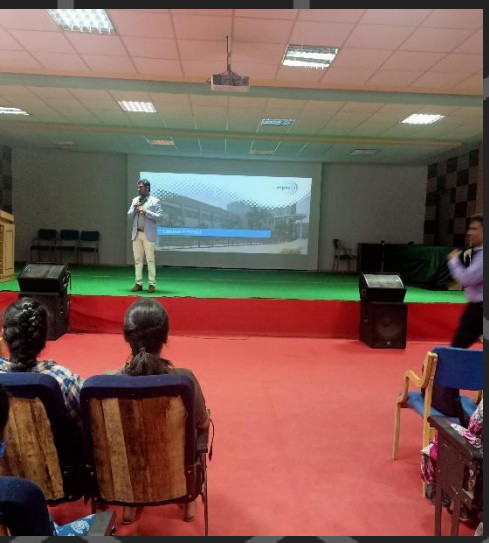
Mission

Equipping the students with manifold technical knowledge to make them efficient and independent thinkers and designers in national and international arena. Encouraging students and faculties to be creative and to develop analytical abilities and efficiency in applying theories into practice, to develop and to disseminate new knowledge. Pursuing collaborative work in research and development organizations, industrial enterprises, research and academic institutions of national and international standards, to introduce new knowledge and methods in engineering teaching and research in order to orient young minds towards industrial development.

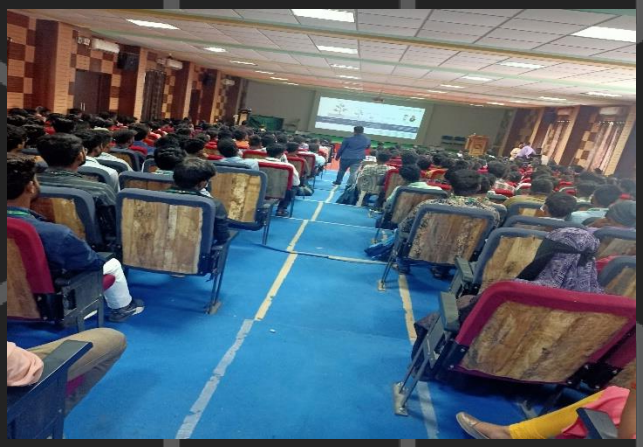
Department of Mechanical Engineering

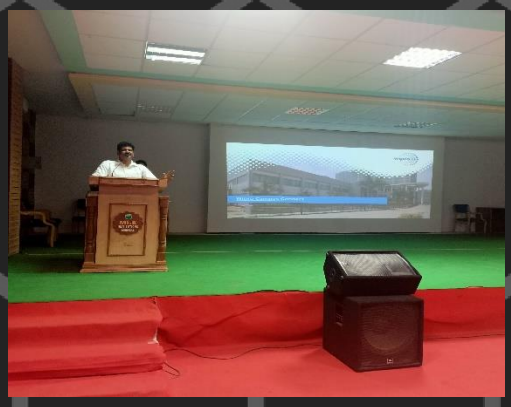
STUDENT INTERACTION WITH SUBJECT EXPERT ON FUZZY LOGIC





INDUSTRY INTERACTION @ WIPRO





FACULTY PUBLICATION DETAILS@ MECHANICAL DEPARTMENT

Name Of The Author	Title	Journal Name	SCI/SCOPUS
A. Nishanthkumar, T. Naganna V. Sudheer Babu U. Sudhakar S.P. Jani	A Review on life cycle analysis and environmental sustainability assessment of Bio-Fuel.	International journal of Global warming	SCI
K. Veera Raghavulu	Taguchi optimization of process parameters used for improving tribological behaviour of grapheme nano particle dispersed nano lubricant	Engineering Research Express	ESCI
S. P. Jani	Investigations on mechanical properties of bio-waste micro particles reinforced phenol formaldehyde composites	Archives of Metallurgy and Materials	SCI
S. P. Jani	Structural analysis and materials deformations of landing gear	Materials today proceedings (Elsevier)	SCI
S. P. Jani	Experimental characterization of banana fiber reinforced polyester composites	Materials today proceedings (Elsevier)	SCI
S. P. Jani	A polymer resin matrix modified by coconut filler and its effect on structural behavior of glass fiber-reinforced polymer composites	Iranian Polymer Journal	SCI
S. P. Jani	Development and Optimization Study of Poly-Lactic Acid Blended Carbon Particles by Fused Deposition Modelling Method	Innovations in Additive Manufacturing	SCI
U. Sudhakar S.P.Jani	A comparative assessment on life cycle analysis of the biodiesel fuels produced from soybean, Jatropha, Calophyllum inophyllum, and microalgae	Taylor and Francis	SCI

K. Veera Raghavulu S.P.Jani	Tribology Analysis and the effect of molybdenum disulfide lubricant additives on the performance of VCR system	Advances in Materials and Processing Technologies	ESCI
S.P.Jani	Analysis of Drilling of Coir Fiber-Reinforced Polyester Composites Using Multifaceted Drill Bit	Advances in Materials Science and Engineering Advances in Materials Science and Engineering	SCI
G. Suryaprakash	Analyzing the Cooling Rate and Its Effect on Distribution of Pattern and Size of the Titanium Diboride Particles Formed	Advances in Materials Science and Engineering Advances in Materials Science and Engineering	SCI

INDUSTRIAL VISIT

HYDEL POWER POINT

To impart knowledge about hydel power plant and its power production process

DEPARTMENT OF MECHANICAL ENGINEERING

STUDENTS CERTIFICATION

S.NO	NAME	ROLL NO
1	ABIRAMI R	197Y1A0301
2	MAKAM ANEESH	207Y5A0305
3	SIDDI.BHANU PRAKASH	207Y5A0316
4	BACHHU DEVENDHAR	207Y5A0319
5	A. LOKESH VEERA BALAJI	207Y5A0333
6	THALLURI NAGABABU	207Y5A0343
7	BANDI PRAVEEN	207Y5A0361
8	GURRAM SRINIVAS	207Y5A0370
9	M SUMAN NAYAK	207Y5A0378
10	D. SANJAY	207Y5A0388
11	M.SUVISHAL	207Y5A0389
12	KOLLU TARUN	207Y5A0397

SAEINDIA SOUTHERN SECTION Life-long Learning

CERTIFICATE
OF PARTICIPATION

This is to certify that

Mr/Ms **B. PRAVEEN**

student of **MLR INSTITUTE OF TECHNOLOGY AND MANAGEMENT**

participated in an online training program on

Toy Making

conducted by SAEINDIA Southern Section from *21/12/2021 To 23/12/2021*

Attendance Grade: A
Assessment Grade: A

R. Rajendran
Dr. R. Rajendran
Vice-Chairman SAEISS

SAEINDIA SOUTHERN SECTION Life-long Learning

CERTIFICATE
OF PARTICIPATION

This is to certify that

Mr/Ms **D. SANJAY**

student of **MLR INSTITUTE OF TECHNOLOGY AND MANAGEMENT**

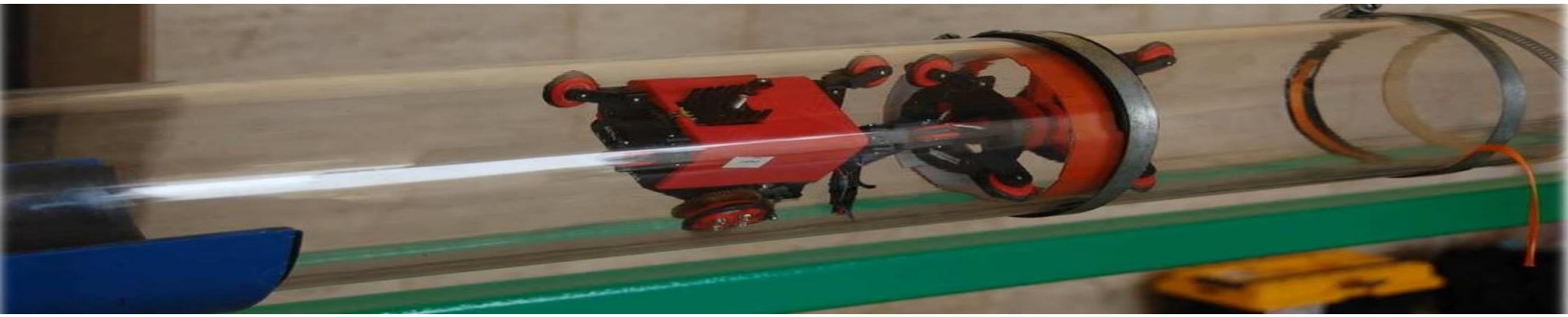
participated in an online training program on

Engineering Materials

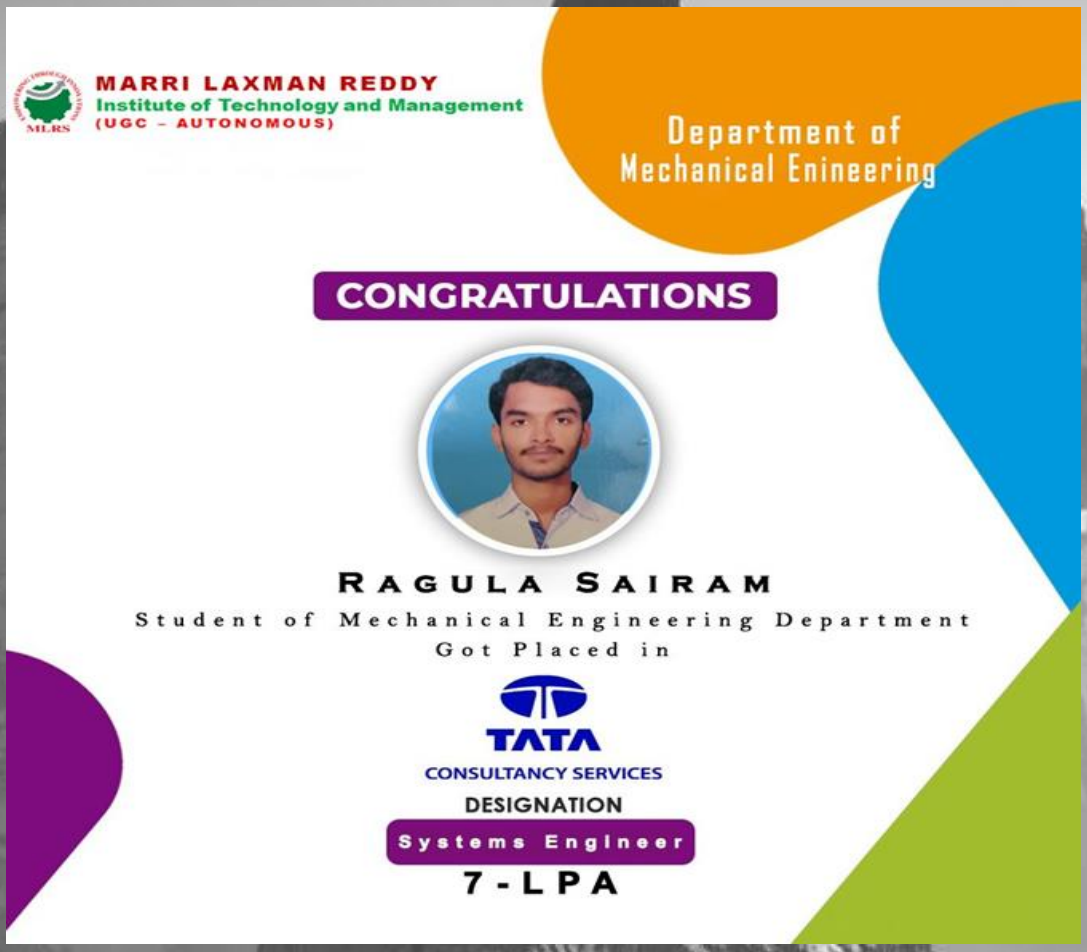
conducted by SAEINDIA Southern Section from *16/11/2021 To 18/11/2021*

Attendance Grade: B
Assessment Grade: C

R. Rajendran
Dr. R. Rajendran
Vice-Chairman SAEISS



PLACEMENTS @MECHANICAL DEPARTMENT



Marri Laxman Reddy Institute of Technology and Management
Dundigal, Hyderabad – 500 043,
Telangana, India.
Email: info@mlritm.ac.in
Ph: 040 - 29556182