



DEPARTMENT OF MECHANICAL ENGINEERING

ZENITH 2020-2021

JAN 2021- JUNE 2021



VOLUME: 2

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

JAN 2021 - JUNE
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ZENITH





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:

PSO1: 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

INDUSTRY INTERACTION

HR AND TECHNICAL TEAM ZEN TECHNOLOGIES



ZEN TECHNOLOGIES



TECH AND HR TEAM-
INTERACTION WITH STUDENTS



JAN 27th 2021

The Department Of Mechanical Engineering has organized an INDUSTRY ready program with ZEN TECHNOLOGIES, Hyderabad.

The team of professionals visited the company and interacted with students of the department.

This program was help the students in identifying the competencies to be groomed for industry selection.

The HR team also analysed the soft skills of the students by conducting mock Group discussion.

Dr G Surya Prakash, HOD MECH, Associate professor Mr U Sudhakar, along with other Assistant professors, Students of III & IV MECH participated in the session.

ALUMINI INTERACTION AT HYUNDAI



DME



**FEB
2021**

A VISIT TO HYUNDAI

The Department of Mechanical Engineering has organized a visit to HYUNDAI Company, located in Hyderabad.

The visit was organized with prior permission from Dr Venkateshwara Reddy, Principal MLRITM.

Dr G Surya Prakash, HOD, Mechanical Engineering Department. Associate Professor Mr U Sudhakar, Mr. Srikanth TPO along with the student community were part of this program

Summary of the Experience

- The students were exposed to industrial life. They are also benefited by the technical details given the company.
- The students also had an opportunity to interact with their seniors working in the organization.
- The valuable inputs given by the alumni, helped the juniors to crack placements.

STUDENT ACHIEVEMENTS

The students of Mechanical Engineering Department participated in both technical and non-technical events conducted by various engineering colleges (offline and virtual)



THE STUDENTS HAVE PARTICIPATED IN COMPETITIONS SUCH AS ONLINE QUIZ, PAPER PRESENTATIONS, BASKET BALL, CAD DESIGNING AND WON PRIZES

PARTICIPATION IN CULTURAL ACTIVITIES



Cultural Competitions



MARCH 20th 2021



DEPT OF ME

SAEINDIA

Society of Automotive



SAE Tier 1 (inter college competition)

Secured first position in 8 events and second position in 6 events.

SAE Tier 2 (state level competition)

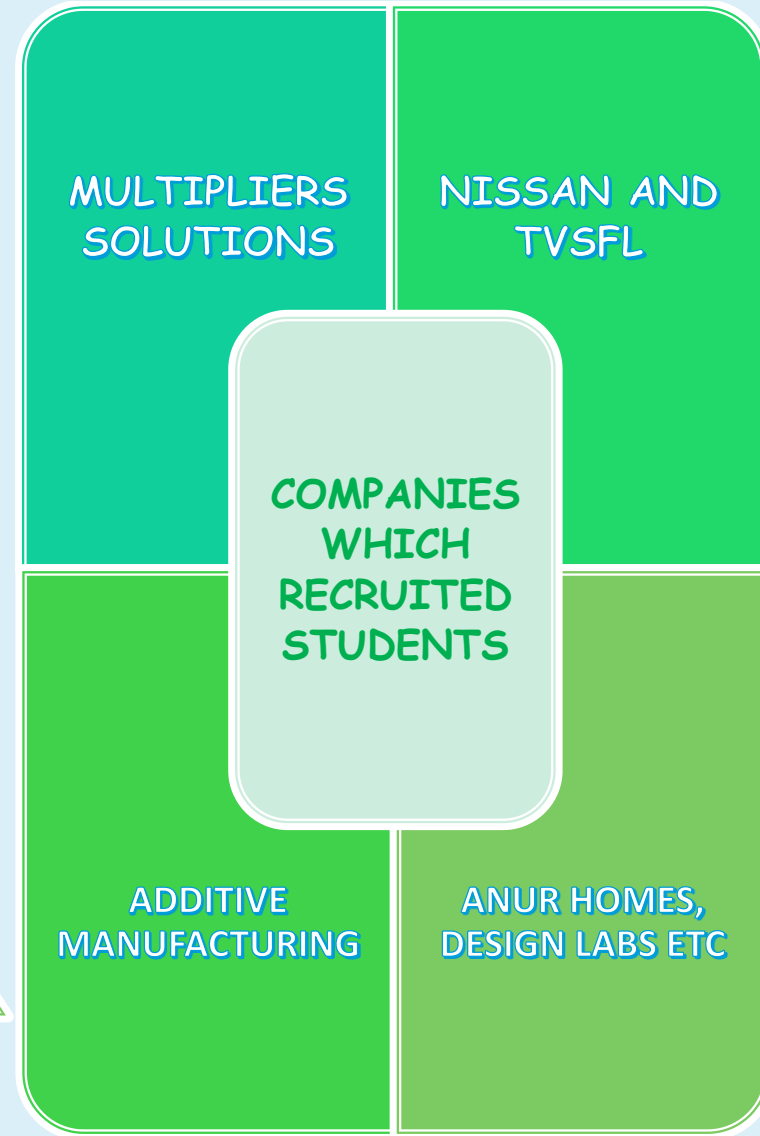
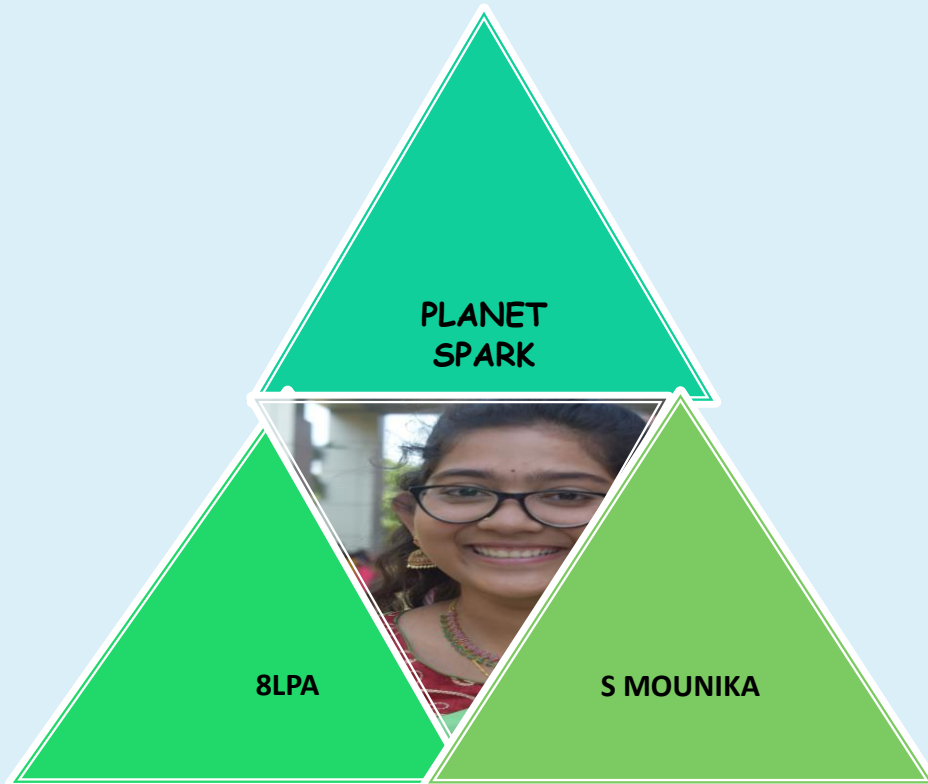
Secured first position in 12 events and second position in 8 events.

SAE Tier 3 (competition between south Indian states)

Secured first position in 2 events and second position in 6 events.

STUDENT PARTICIPATION IN VARIOUS EVENTS @ MLRITM

The Department of Mechanical Engineering organizes non-technical events for students keep them engaged and shape up their lives. The activities of department have been designed to give an apt mix of student's participation in academics and also to create a chance for all-round development. The activities like Dance, Singing, Arts, Music, yoga for health etc. are conducted for students encouraging cultural diversity.



PLACEMENTS AND HIGHEST PACKAGE DETAILS

FACULTY ACHIEVEMENTS



WORKSHOPS/SEMINARS/CONFERENCES/FDPS/ ATTENDED BY FACULTY

S.No	Event Name	Date and Year	Event Organized By	Faculty Members who attended the event
1.	FDP: Recent Innovations In Design & Manufacturing	24 th May to 29 May 2021	MREC ,Hyderabad	Dr.G.Suryaprakash Rao
2.	FDP: Recent Innovative Developments in Thermal Engineering	28 th June to 3 July 2021	MREC ,Hyderabad	Dr.G.Suryaprakash Rao
3.	FDP: Recent Innovations In Design & Manufacturing	24 th May to 29 May 2021	MREC ,Hyderabad	Mr U Sudhakar
4.	FDP: Recent Innovations In Design & Manufacturing	24 th May to 29 May 2021	MREC ,Hyderabad	Ms Chaitanya K
5.	FDP: 3D Printing and design for Academicians & Entrepreneur	21 st June to 25 th June 2021	S R Engineering College, Hyderabad	Mrs Sravanthi K
6.	FDP: Recent Innovations In Design & Manufacturing	24 th May to 29 May 2021	MREC ,Hyderabad	Mr A Nishanthkumar
7.	FDP: Recent Innovations In Design & Manufacturing	24 th May to 29 May 2021	MREC ,Hyderabad	Mr K Veera Ragavulu
8.	FDP: Recent Innovations In Design & Manufacturing	24 th May to 29 May 2021	MREC ,Hyderabad	Mr.Venkata Sudheer Babu
9.	FDP: Recent Innovations In Design & Manufacturing	24 th May to 29 May 2021	MREC ,Hyderabad	P.Satya Krishna

10.	FDP: Recent Innovative Developments in Thermal Engineering	28 th June to 3 July 2021	MREC ,Hyderabad	P.Satya Krishna
11.	FDP: Recent Innovations In Design & Manufacturing	24 th May to 29 May 2021	MREC ,Hyderabad	N.Veerawamy
12.	FDP: Applications of Mechanical Engineering	9 th June to 14 th June 2021	SVR Engineering College	K.Rambabu
13.	FDP: Open Source Software used in Drafting Modeling & Analysis	28 th June to 2 nd July 2021	N B Navale Sinhgad College of Engineering Solapur	K.Rambabu
14.	Workshop: Thesis documentation skills for Researchers using MS word, Excel and Latex editor	17 th June to 19 th June 2021	Anathalakshmi Institute of Technology and Sciences , Andhrapradesh	K.Rambabu
15.	FDP: Recent Innovations In Design & Manufacturing	24 th May to 29 May 2021	MREC ,Hyderabad	M.Susmita
16.	FDP: Recent Innovations In Design & Manufacturing	24 th May to 29 May 2021	MREC ,Hyderabad	D Venkata Prashanth

JOURNALS AND PAPERS

S. No	Name Of The Author	Title	Journal Name	ISSN No.	SCI/SC OPUS	Date Of Publication
1	G. Surya Prakash U. Uppalapati S.P.jani	An experimental investigation of wire cut electric discharge machine processed titanium material	Materials today proceedings(Elsevier)	2214-7853	Scopus	February 2021
2	D. Venkateswarlu S.P. Jani	Analysis on surface grinding of mild steel by varying grinding parameters	Materials today proceedings (Elsevier)	2214-7853	Scopus	February 2021
3	P Satya krishna S.P.Jani	Bending Analysis of Honeycomb Sandwich Panels with Metallic Face Sheets and GFRP Core	Materials today (Elsevier)	2214-7853	Scopus	January 2021
4	S.P.Jani	Damping device to prevent cervical fracture	Materials today proceedings (Elsevier)	2214-7853	Scopus	2021
5	K. Sravanthi S.P.Jani	CFD Analysis of Environmental Control System for an Aircraft	Materials today (Elsevier)	2215-7853	Scopus	February 2021

6	S.P.Jani U. Sudhakar	Development and Optimization Study of Poly-Lactic Acid Blended Carbon Particles by Fused Deposition Modelling Method	Innovations In Additive Manufacturing	2214-7853	Book Chapter	2021
7	K. Veera Raghavulu S.P.Jani	Design and strengthening properties of different forging gas turbine blade materials	Materials today proceedings (Elsevier)	2214-7853	Scopus	February 2021
8	S.P.Jani	Design and optimization of unit production cost for AWJ process on machining hybrid fibre composite material	International journal of light weight Materials and Manufacture	2588-8404	KeAi	April 2021
9	K. Sravanthi	Influence of carbon particle in polymer matrix composite over mechanical properties and tribology behaviour	Archives of Metallurgy and Materials	1171-1178	SCI	2021
10	K. Veera Raghavulu	An Experimental study on the improvement of Coefficient of performance in vapour compression system using graphene lubricant Additive	Taylor and Francis	0803-7051	SCI	March 2021
11	U. Sudhakar S.P.Jani	Modelling and simulation of aerothermodynamics hot radiant blunt body	Materials today proceedings (Elsevier)	2214-7853	Scopus	February 2021

12	S. Kranthikumar S.P. Jani U.Sudhakar	Mechanical Properties of Carbon Particle Mixed Polylactic acid via Fused Deposition Modelling	Materials today (Elsevier)	2214-7853	Scopus	March 2021
13	S.P.Jani	Machining parameter optimization using Adam-Gene Algorithm while turning lightweight composite using ceramic cutting tools	International Journal of Lightweight Materials and Manufacture(Elsevier)	2588-8404	Scopus	2021
14	K. Chaithanya	Optimization of Solar Tunnel Dryer for mango Slice using Response Surface Methodology	Materials today proceedings (Elsevier)	2214-7853	Scopus	January 2021



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