

MECH VIDYA

Bi-Annual News Letter

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VIDYA JYOTHI INSTITUTE OF TECHNOLOGY
An Autonomous Institute
Aziz Nagar Gate, C.B. Post, Hyderabad
<http://vjit.ac.in/mechanical/>
DEPARTMENT OF MECHANICAL ENGINEERING

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Dr. E. Sai Baba Reddy

Principal, Director, VJIT

Dr. A. Padmaja

Dean, VJIT



From Correspondent's Desk

I congratulate Dr. G. Sreeram Reddy and his team for the achievement of National Board Of Accreditation (NBA) for a period of 3years. I wish them All The Best for the Future Endeavour.

Dr. P. Rajeshwar Reddy, Correspondent, VJES



From Director Desk

I extend my hearty congratulation to the Mechanical Engineering Department on the successful completion of their Accreditation Process and getting Accredited for 3years.

Dr. E. Sai Baba Reddy, Principal VJIT



Message from Dean

I appreciate and congratulate whole heartedly the efforts of the Mechanical Engineering Department for their hard work they put for the Accreditation and subsequent achievement of Accreditation for 3years.

Dr. A Padmaja, Dean VJIT

Overview of the Department

Mechanical Engineering has been on an integration phase with other disciplines of Science and Technology for the past few decades and offers many challenging career opportunities for the students. The Department of Mechanical Engineering in VJIT was established in 1999 and is accredited by NBA in 2018 & reaccredited till June 2025.. Going by the technological advances the Department has been actively engaged in transforming the learning systems and creating a sound knowledge base in the minds of the students. Innovations, hands-on-workshops, community projects & industry internships fine tune the students into industry ready.

Program Assessment Committee

Department of Mechanical Engineering has constituted Program Assessment Committee with the following members:

S.No	Name	Designation	Position
1	Dr. Sreeram Reddy	HOD	Chairman
2	Dr. V.V.Satyanarayana	Professor	Convener
3	Dr. B. Ravinder Reddy	Associate Professor	Members
4	Dr.L.Madan Anand Kumar	Associate Professor	
5	Mr. K. Rajesh Kumar	Associate Professor	
6	Mrs. J Emeema	Associate Professor	
7	Mr. J. Pradeep	Assistant Professor	

Department Advisory Board

Department of Mechanical Engineering has constituted a Departmental Advisory Board with the following members for the academic year:

S.No	Name	Designation	Position
1	Dr. G. Sreeram Reddy	HOD & COE	Chairman
2	Dr. V.V. Satyanarayana	Professor	Convener & Program Coordinator
3	Dr. B. Ravinder Reddy	Associate Professor	Members
4	Dr. Naseeb Khan	Professor, Shadan Institute of Technology	
5	Mr. P. Ashok Kumar	Parent	
6	Mr. Chepuri Sai Teja	Student, 3rd year Mechanical	

LIST OF PROFESSIONAL SOCIETIES IN THE DEPARTMENT OF MECHANICAL ENGINEERING

- Indian Society for Technical Education (ISTE)
- Indian Institute of Welding (IIW)
- Industrial Engineering and Operations Management (IEOM)
- Society of Automotive Engineers (SAE)
- Institution of Engineers (India) (IE)

Events organized by Department of Mechanical Engineering under Professional Societies:

S.No	Date	Topic	Resource person	Affiliation
1	3-Feb-2023	Role of 3D printing in Manufacturing of vehicles	Mr. G.V. Amarnath, Mechanical Engineer	DVB-Chennai



Fig: Mr. G.V. Amarnath delivering lecture on “Role of 3D printing in Manufacturing of Vehicles”

S.No	Date	Topic	Resource Person with Designation
1	11-August-2023	Metal Cutting Aspects of HSLA Metals	Dr. P.V. Gopala Krishna, Associate Professor, VCE, Hyderabad



Fig: Dr. P.V. Gopala Krishna delivering lecture on “**Metal Cutting Aspects of High-Strength Low-Alloy (HSLA) Metals**”

One day workshop organized for the benefit of students on the topic “Dismantling and Assembly of IC Engine” **On 17 june 2023**



Research Publications

Faculty have published 09 technical papers in peer reviewed Journals with diverse specializations from materials to manufacturing methods.

S.No	Name of the faculty	Title of the Paper	Journal	Month & Year
1	Dr.G.Sreeram Reddy	Effect of Al ₂ TiO ₅ powder coating on the tribological, corrosion and mechanical properties of AISI 316L stainless steel	Materials Research Express	May-23
	Dr.V.V.Satyanarayana			
	Dr.B.Ravindar Reddy			
	Dr.J.Jagadesh Kumar			
2	Dr.V.V.Satyanarayana	Entropy Weighted TOPSIS Taguchi Analysis of Notch Geometry on the Fatigue Performance of UNS S32760 Grade Stainless Steel	Journal of ceramic processing research	June-23
	Dr.J.Jagadesh Kumar			
3	Mr. K.Rajesh Kumar	Analysis of friction stir welding of AZ91D magnesium alloy with boron application using TOPSIS Taguchi method	Journal of ceramic processing research	June-23
	Dr.V.V.Satyanarayana			
4	Mrs.J.Emeema	Investigations on a novel composite phase change material comprising paraffin wax and CQDs for thermal conductivity enhancement	Thermal science	2023
	Dr. B V Reddi			
5	Malathi Baddepudi	Effect of zinc coated brass and In ₂ cooled zinc coated brass electrodes in WEDM performance on INCOLOY	Material's today	Jun-23
6	Malathi Baddepudi	Experimental investigation of effect of reinforcing teak wood dust and tamarind kernel powder in polymer composite	Material's today	Jun-23
8	Malathi Baddepudi	Experimental Investigation on Effect of Reinforcement of SiC, Graphene and Fly Ash on Mechanical Properties of Al 2024	AIP Conference	May-23
9	Mr. K.Rajesh Kumar	Application of Taguchi based entropy weighted TOPSIS method for AZ 91D magnesium alloy friction stir welded joints with cerium addition at interface	Journal of processing Research	Mar-23
	Dr.V.V.Satyanarayana			

FDP/Workshops/Conferences/ STTPS Attended by faculty:

S.no	Name of the faculty	Name of the event	Place	Days
1	Dr.G.Sreeram Reddy	FDP on "Innovations in Engineering Design and Management"	Alliance university, karnataka	6
2	Dr.B.Ravinder Reddy	FDP on "python programming"	Vjit, Hyderabad	14
3	Mr.N.Praveen	FDP on "industry 4.0 and smart manufacturing	Anand International	5

			College, Jaipur	
4	Mr.C.Naveen Raj	Fdp On "Industry 4.0 And Smart Manufacturing	Anand International College, Jaipur	5
5	Mr.C.Ravi	Fdp On "Industry 4.0 And Smart Manufacturing	Anand International College, Jaipur	5
6	Mr.J.Pradeep Kumar	A Workshop on "Data Science & Big Data Analytics Hands-on with Open source tools"	Pict, Pune	29
7	Mr.P.Raghuram Reddy	Fdp On "Industry 4.0 And Smart Manufacturing	Anand International College, Jaipur	5
8	Dr.J.Jagadesh Kumar	National Level Training Program On "Material Characterization, Modelling And Finite Element Analysis	Griet, Hyderabad	7
9	Mr.K.Rajesh Kumar	Fdp On "Industry 4.0 And Smart Manufacturing	Anand International College, Jaipur	5
10	Mr.Mohd Amoodi	Fdp On "Python Programming"	Vjit, Hyderabad	14
11	Mr.Ismail Shaik	Fdp On "Industry 4.0 And Smart Manufacturing	Anand International College, Jaipur	5
12	Mrs.B.Sudha Bindu	A Workshop on "Automobile Works with Sheet Metal"	Skyy Rider Institutions	1
13	Mr.P.Sampath Kumar	A Workshop on "Automobile Works with Sheet Metal"	SKYY RIDER Institutions	1
14	Mrs.J.Emeema	A Workshop on "Automobile Works with Sheet Metal"	SKYY RIDER Institutions	1
15	Mr.M.Mallesha	A Workshop on "Automobile Works with Sheet Metal"	SKYY RIDER Institutions	1
16	Mrs.B.Malathi	A Workshop on "Automobile Works with Sheet Metal"	SKYY RIDER Institutions	1

Student Achievements:

- ✓ Mr.I.Sai Rohit of Mechanical III Year Bearing Roll No 21911A0309 & his team has won 1st Price in KALAM Legacy Hackathon at T WORKS on 15 Oct 2023 organized by IEEE
- ✓ Mr.I.Sai Rohit of Mechanical III Year Bearing Roll No 21911A0309 was Grand Finalist in Smart India Hackton on 20 Dec 2023 organized by Ministry of Education Government of India, AICTE



Information Bulletin for Students

- ✓ GATE 2024 , is *scheduled to take place on February 3rd, 4th, 10th and 11th of February 2024*
- ✓ Students of final year will be given the award for BEST Project depending upon the work done for their project.

Vision of Department

To be recognized as a center of excellence in providing Mechanical Engineering education of international standards leading to well qualified engineers who are innovative, immediate contributors to their profession, successful in advanced studies and employable globally.

Mission of Department

To educate, prepare and mentor students to excel as professionals and grow throughout their careers in the field of Mechanical Engineering. This can be accomplished by:

Providing the facilities and environment conducive to a high quality education, strong foundation in the fundamental principles of Mechanical Engineering and preparing them for diverse careers.

"Live as if you were to die tomorrow. Learn as if you were to live forever." — **Mahatma Gandhi**