

# MECH VIDYA

**Bi-Annual News Letter**

**2023, Issue 1 (January -June)**



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

## **Editorial Board**

**Dr. G.Sreeram Reddy,**  
Head of the Department, MED

**Dr.V.V.Satyanarayana**  
Professor, MED

**Mr.S.Prasad Kumar**  
Editor, Assistant Professor, MED

**I Sai Rohit (21911A0309)**  
Student Coordinator

## **Patrons**

**Dr. P. Rajeshwar Reddy,**  
Correspondent, VJES

**Dr. E. Sai Baba Reddy**  
Principal, Director, VJIT

**Dr. A. Padmaja**  
Dean, VJIT

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### **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:

<b>S.No</b>	<b>Name</b>	<b>Designation</b>	<b>Position</b>
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)

### Engineering Events under Professional Societies:

#### Industrial Engineering and Operations Management (IEOM)

S.No	Date	Topic	Resource person	Affiliation
1	3-Oct-2022	Introduction to Mechatronics in manufacturing and Recent advancements	Dr. G. Haragopal, Professor	CBIT, Hyderabad



Fig: Dr. Dr. G. Haragopal, is delivering lecture on “**Introduction to Mechatronics in manufacturing and recent advancements**”

**Resource persons/Guests:** Dr. G. Haragopal, CBIT, Hyderabad

**Date:** 3-Oct-2022

### Indian Institute of Welding (IIW)

S.No	Date	Topic	Resource person	Affiliation
1	15-Dec-2022	Metal Joining of Exotic materials	Dr. T. Srihari, Professor	Aditya college of Engg, Kakinada, A.P



**Resource persons/Guests:** Dr. T. Srihari, Professor, Aditya College of Engg, Kakinada, A.P  
**Date:** 15-Dec-2022 at 10.00AM.

#### Student Achievements:



**Mr. M. Purushotham** MECH-IV 19911A0397 and his team of 12 players stood as Runners in kabaddi at AURA'22 Sports Fest CBIT Campus, Gandipet, and Hyderabad on 04<sup>th</sup> to 06<sup>th</sup> November 2022.

### Research Publications

Faculty have published 04 technical papers in peer reviewed Journals with diverse specializations from materials to manufacturing methods

Sn o.	Name of the Faculty	Title	Journal	Scopus / UGC
1	Dr. B Ravinder Reddy	Effect of Tio <sub>2</sub> Nanoparticles on Friction Stir Welding Joints of AA8011 Aluminium Alloy	IRJET	Google scholar
2	Mr. K Rajesh	Analysis of Friction Stir Welding of AZ91D Magnesium Alloy with Boron Application using TOPSIS Taguchi Method	J CPR	Google scholar
3	Mr. M Mallesh	Sensitivity Analysis of 2PRRR-1RRR Planer Parallel Manipulator	IJSDR	Google scholar
4	Mr. M Mallesh	Sensitivity Indices of 1PRRR-2RRR Planar Parallel Manipulator	IJAEMA	Google scholar

### FDP Attended by faculty:

S.NO	Name of the faculty	Name of the Event	Place
1	Dr.G.Sreeram Reddy	A FDP on "Research Method for Engineers"	NREC, Telangana
2	Dr.B.Ravinder Reddy	A FDP on "Research Method for Engineers"	NREC, Telangana
3	Mr.P.Raghuram Reddy	A Workshop on "Research Techniques in Mechanical Engineering"	VBIT, Hyderabad
4	Mr.Mohd Amoodi	A FDP on "Research Method for Engineers"	NREC, Telangana
5	Mr.Ismail Shaik	A Workshop on "Research Techniques in Mechanical Engineering"	VBIT, Hyderabad
6	Mrs.T.Virajee	A Workshop on "Leading with Generative Design"	USAM Technology Solutions Pvt.Ltd
7	Mrs.P.Pavani	A Workshop on "Leading with Generative Design"	USAM Technology Solutions Pvt.Ltd
8	Mr.S.Prasad Kumar	A Workshop on "Leading with Generative Design"	USAM Technology Solutions Pvt.Ltd
9	Mr.T.Pavan Kumar	A Workshop on "Leading with Generative Design"	USAM Technology Solutions Pvt.Ltd
10	Mr.Ch.Rakesh	A Workshop on "Leading with Generative Design"	USAM Technology Solutions Pvt.Ltd
11	Mr.Shaik Gulam Abul Hasan	A Workshop on "Leading with Generative Design"	USAM Technology Solutions Pvt.Ltd
12	Mrs.G.Ambika	A Workshop on "Leading with Generative Design"	USAM Technology Solutions Pvt.Ltd
13	Mr.P.Chandra Kumar	A Workshop on "Leading with Generative Design"	USAM Technology Solutions Pvt.Ltd
14	Mr.M.Bhoopal Reddy	A workshop on "Leading with Generative Design"	USAM Technology Solutions Pvt.Ltd
15	Mr.S.Rama Krishna	A workshop on "Leading with Generative Design"	USAM Technology Solutions Pvt.Ltd

## **Student achievements:**

### **Information Bulletin for Students**

- ✓ The GATE 2024 registration process will be starting on August 31, 2023 and the last date to register without a late fee was October 12, 2023. GATE 2024 is scheduled to take place on 3rd, 4th, 10th and 11th February 2024.
- ✓ CAT 2023 registration process will starts from August 2, 2023, and exam will be conducted November 26, 2023.
- ✓ 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.

Engaging in academic activities, which strengthen the students regional, national and international reputation

### **Program Educational Objectives (PEOs)**

PEO-I: Successful career in mechanical and allied industries through strong foundation in basic sciences, mathematics and engineering fundamentals.

PEO-II: Ability to update knowledge on dynamically changing industrial practices.

PEO-III: Capability to work in a global environment imbining team spirit with ethical responsibility.

PEO-IV: Ability to enrich knowledge, communication and leadership skills through perpetual learning with zeal towards research.