

MECH VIDYA

Bi-Annual News Letter

2021, Issue 2 (July-December)



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

Director, VJIT

Dr. A. Padmaja

Principal, 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, Director VJIT



Message from Principal

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, Principal 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. 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 of the Member	Designation	Position
1	Dr. G. Sreeram Reddy	HOD	Chairman
2	Dr. V.V.Satyanarayana	Professor	Convener
3	Dr. L. Madan Ananda Kumar	Professor	Member
4	Dr. V. Phanindra	Professor	Member
5	Mr. K.Rajesh	Associate Professor	Member
6	Mr. P. Sampath Kumar	Associate Professor	Member

Department Advisory Board

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

S.No	Name of the Member	Designation	Position
1	Dr. G. Sreeram Reddy	HOD	Chairman
2	Dr. V.V. Satyanarayana	Professor	Convener & Program Co-Ordinator
3	Dr. B. Ravinder Reddy	Professor	Member
4	Mr. Muralidhar Ekambaram	CEO Adriot Servo-Mechatronics	Member
5	Mr. K. Raghavendra	Parent	Member
6	V. Kumar	Student	Member

Achievement of the Department

- Department of Mechanical Engineering has been **accredited** by **NBA** for 3 years from 01-07-2018 to 30-06-2021. Head of Department and His team earnestly worked for the successful achievement and there services are highly appreciated.
- **Department has been recognized as a “Research Centre” by JNTUH in the year 2019**

Engineering Events under Professional Societies:

Society of Automotive Engineers (SAE)

S.No	Date	Topic	Resource person	Affiliation
1	06-4-2021	Recent trends in Electric vehicle manufacturing and the challenges	Dr P.B.G.S.N Murty	Associate Professor, Vignan University, Guntur

The lecture has started with an importance of Electric vehicle manufacturing, The market for electric vehicles has continued to grow with a 43% increase over 2019 – surpassing 10 million EVs on the roads worldwide. It included the Volkswagen Group, for instance, more than doubled its EV sales in the first half of 2021 – up over 165% compared to last year. The talk also emphasized about various companies such as Stellantis – the world’s fourth-largest automaker with 14 brands under its umbrella – expects to have 55 electrified vehicles in the U.S. and Europe by 2025, with plans to invest at least \$35.5 billion in vehicle electrification. Dr. P.B.G.S.N Murty, also emphasized the manufacturing sectors are contemplating to initiate all automobiles with zero emissions by following the BS 6 Norms.

Research Publications

Faculty have published 02 technical papers in peer reviewed Journals with diverse specializations from materials to manufacturing methods

Papers Published by Faculty:

S. No	Name of Author	Title	Journal	Month & Year	Volume
1	Mr. S Ramakrishna	Influence Of Basalt And E-Glass Fiber on Mechanical Properties of Jute Reinforced Composite Material	International Journal of Current Engineering and Technology	Aug-21	Vol.11, Issue No.4
2	Mr. T pavan Kumar & P Chandu	Mechanical And Water Absorption Characteristics Of Jute/Basalt Reinforced Laminate	International Journal of Current Engineering and Technology	Jun-21	Vol.11, Issue No.4

Faculty development/training activities/ STTPs attended by the faculty:

Name of the faculty	Faculty development/training activities/ STTPs:
Dr.G.Sreeram Reddy	A workshop on "Fusion 360" organized by AUTODESK, Usam Technology Sol. Pvt Ltd. On 24/06/2021.
Dr.J.Jagadesh Kumar	A workshop on "Fusion 360" organized by AUTODESK, Usman Technology Sol. Pvt Ltd on 24/06/2021.

Student Achievements

Department congratulates following students for being qualified in GATE-2021 & CAT 2020 competitive examinations.

S.no.	Roll no	Name of the Student	Competitive Exam
1	16911A03J7	Elika Vishal	CAT-2020
2	15911A03L8	Sourabh Upadhya	GATE-2021
3	15911A03G5	Akula Vinay	GATE-2021

Placements:

Department Congratulate all the students placed in different companies:

S.NO	Roll numer	Name of the student	Placed
1	17911A0356	Vadla Maheshwari	CBRE
2	17911A0393	Mothukuru Kavya	Multiplier Solutions
3	17911A0393	Mothukuru Kavya	Pole To Win
4	17911A03A1	Sammeta Jagadeesh	Multiplier Solutions
5	17911A03C7	Chokka Premraj	Amritha Tools
6	17911A03F2	Sajan Shruti	Face

7	17911A03F8	Veerabomma Manasa	The Climber
8	17911A03F8	Veerabomma Manasa	CBRE
9	17911A03H0	Chilkuri Dinesh	TVSTS-RNAIPL NAPS
10	17911A03H3	Chintala Ravinder Reddy	TVSTS-RNAIPL NAPS
11	17911A03H9	Keesari Vamshi Reddy	TVSTS-RNAIPL NAPS
12	17911A03J5	Mohammad Junaid	TVSTS-RNAIPL NAPS
13	17911A03K7	Pulumamidi Vamshidhar Reddy	Paramount Enterprises
14	18915A0303	B Akhil	TVSTS-RNAIPL NAPS
15	18915A0333	Naga Linga Prashanth D	TVSTS-RNAIPL NAPS
16	18915A0337	Palamamiti Anil Kumar	TVSTS-RNAIPL NAPS
17	18915A0341	Putnala Swijan Reddy	TVSTS-RNAIPL NAPS
18	18915A0344	Sandolla Vamshikrishna Sagar	Pole To Win
19	18915A0347	Sidhagoni Raviteja	TVSTS-RNAIPL NAPS
20	18915A0352	Vanga Madhu	TVSTS-RNAIPL NAPS

Information Bulletin for Students

- ✓ The Indian Institute of Technology, (IIT Kharagpur) released the result of the Graduate Aptitude Test in Engineering (GATE) 13th February 2022 and GATE 2022 Results will be declared on 17th March 2022 and score card will be released on 21st March 2022

Meet you again in the next Issue of **MECH VIDYA**

Vision of Institute

To develop into a reputed Institution at National and International level in Engineering, Technology and Management by generation and dissemination of knowledge through intellectual, cultural and ethical efforts with human values.

To foster Scientific Temper in promoting the World class professional and technical expertise.

Mission of the Institution

To create state of art infrastructural facilities for optimization of knowledge acquisition

To nurture the students holistically and make them competent to excel in the global scenario

To promote R&D and Consultancy through strong Industry Institute Interaction to address the societal problems.

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 imbuing team spirit with ethical responsibility.

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

Program Specific Outcomes (PSOs)

PSO-1: Analyze and solve problems of thermal and manufacturing by comprehensive design of mechanical engineering components.

PSO-2: Ability to design, develop and implement mechanical engineering solutions keeping in view, sustainability and environmental issues with social responsibility.

“Learning is a lifelong process.”

Peter Drucker