

MECH VIDYA

Bi-Annual News Letter

2022, Issue 1 (Jan-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

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Professor, MED

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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, Director 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. 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. B. Ravinder Reddy | Associate Professor | Member |
| 4 | Dr. L. Madan Ananda Kumar | Associate Professor | Member |
| 5 | Dr. J.Jagadesh kumar | Associate Professor | Member |
| 6 | Mr. K.Rajesh kumar | Associate Professor | Member |
| 7 | Mrs.J.Emeema | Associate Professor | Member |

Department Advisory Board

Department of Mechanical Engineering has constituted a Departmental Advisory Board 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 & program coordinator |
| 3 | Dr. B.Ravinder Reddy | Associate Professor | Member |
| 4 | Mr. Muralidhar Ekamaram | CEO Adriot servo-Mechatronics | Member |
| 5 | Mr. K.Ramu | Parent | Member |
| 6 | Mr. K.Krishna Chaitanya | student | Member |

Research Publications

Faculty have published 11 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 |
|------|--|---|---|--------|
| 1 | Dr. BV Reddi, Mr. Shaik Gulam Abul Hasan | Estimation of size and lattice parameter of magnetic nanoparticles based on XRD synthesized using arc-discharge technique | MaterialsToday: Proceedings | 21-Sep |
| 2 | Dr. B.Sudhabindu | Analysis Of Die And Punch For Forming Sheet Metal Component Using Finite Element Analysis | The International journal of analytical and experimental modal analysis | 21-Sep |
| 3 | Dr. B.Sudhabindu | Characterization Of Fish Scales And Grape Skin Powder Based Bio Material | Journal of Chengdu University of Technology | 21-Sep |
| 4 | Dr.V.Phanindra Bogu | Design And Development Of Syringe Based Extruder For An Fdm Printer | International Journal of Current Engineering and Technology | 21-Sep |
| 5 | Dr.V. Phanindra Bogu | Investigating Optimum Printing Parametres For Syringe Based Extruder For Fdm | The International journal of analytical and experimental modal analysis | 21-Sep |
| 6 | Mr. T pavan Kumar | Experimental And Analytical Investigation And E-Glass And Basalat Fiber Laminates | International Research Journal of Modernization in Engineering Technology and Science | 21-Sep |
| 8 | Dr. J. Jagadesh kumar | Stress Analysis Of Notched Super Duplex Stainless Steel Uns S32760 | The International journal of analytical and experimental modal analysis | 21-Oct |

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|----|-----------------------|--|---|--------|
| 9 | Dr. J. Jagadesh kumar | Low Cycle Fatigue Analysis Of Notched Super Austenitic Stainless Steel | The International journal of analytical and experimental modal analysis | 21-Oct |
| 10 | Mr. S Ramakrishna | The Effect Of Fiber Length On Mechanical Characteristics Of Basalt Reinforced Composite | International Research Journal of Modernization in Engineering Technology and Science | 21-Sep |
| 11 | 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 | 21-Aug |

FDP Attended by faculty:

| S.NO | NAME OF THE FACULTY | NAME OF THE EVENT | PLACE |
|------|-------------------------|--|--|
| 1 | Mr.DRS.Narsingh Rao | workshop on "Electric Vehicles: The Future of Mobility" | Mandsaur University, Mandsaur, M.P |
| 2 | Mr.N.Praveen | A Workshop on "Frontiers in Advanced Materials, Manufacturing and Sustainability | CMRIT, Hyderabad |
| 3 | Mr.C.Naveen Raj | A Workshop on "Human Values and Professional Ethics" | Sagar Group of Institutions, Telangana |
| 4 | Mr.K.Rajesh Kumar | A Workshop on "Frontiers in Advanced Materials, Manufacturing and Sustainability " | CMRIT, Hyderabad |
| 5 | Dr.L.Madan Ananda Kumar | A Workshop on "Industrial Tribology" | Anurag University, Telangana |
| 6 | Dr.V.Phanindra Bogu | A workshop on "Gender Sensitization" | Anurag University, Telangana |
| 7 | Dr.B.Sudha Bindu | A Seminar on "Get Connected Before you Communicate" | JBREC, Moinabad |
| 8 | Mr.P.Sampath Kumar | A FDP on "Design & Implementation of Student Centered Learning" | KGR CET, Moinabad |
| 9 | Mrs.P.Pavani | A workshop on "Gender Sensitization" | Anurag University, Telangana |
| 10 | Mr.S.Prasad Kumar | A Workshop on "Industrial Tribology" | Anurag University, Telangana |
| 11 | Mrs.G.Sowmya | A workshop on "Gender Sensitization" | Anurag University, Telangana |
| 12 | Mrs.C.L.Sindhuja | A FDP on "Design & Implementation of Student Centered Learning" | KGR CET, Moinabad |
| 13 | Mr.K.Ashoka Chary | A Workshop on "Industrial Tribology" | Anurag University, Telangana |
| 14 | Mr.S.Venkatesh | A FDP on "Design & Implementation of Student Centered Learning" | KGR CET, Moinabad |
| 15 | Mr.G.Rajesh Babu | A workshop on "Gender Sensitization" | Anurag University, Telangana |

Student achievements: Department of Mechanical Engineering congratulates Mr. M. Purushotham MECH-III rd year 19911A0397 and his team of 12 players for their active participation in National sports competition.

| S.NO | Name of the Sport/Game | State/National Level | Place & Date & Year | Medal/ Position | Student details |
|------|------------------------|----------------------|---|-----------------|--|
| 1 | Kabaddi | National | Sports Meet'21 MALLAREDDY UNIVERSITY, Medchal, Secunderabad on 19th December 2021 | Runner's | Mr. M. Purushotham MECH-III 19911A0397 and his team of 12 players |



Information Bulletin for Students

- ✓ GATE 2023 exam will be conducted on **February 4, 5, 11 and 12, 2023** and the online registration process will begin from August 30, 2022 to September 30, 2022.
- ✓ **CAT 2022** exam will be conducted on **November 27, 2022** and the online registration process for the same will begin in the first week of **August 2022**
- ✓ Students of final year will be given the award for BEST Project depending upon the work done for their project.

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

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

LEARNING NEVER EXHAUSTS THE MIND
Leonardo Vinci