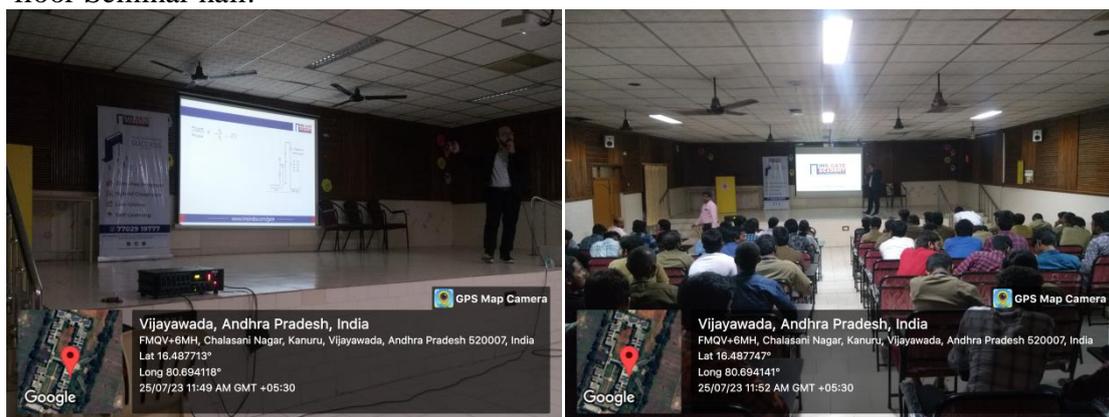


**DEPARTMENT OF MECHANICAL ENGINEERING**  
**PVP SIDDHARTHA INSTITUTE OF TECHNOLOGY, KANURU**  
**GUEST LECTURES AND SEMINARS COMMITTEE**

**List of Programmes organized by the department in the academic year 2023-24**

Department	Conferences		Seminars		Workshops	STTP	Guest Lectures	FDP	Webinars
	National	International	National	International					
Mechanical Engineering		1	4		2	1	8	1	1

1. Department of Mechanical Engineering organized a Seminar on “**Career Opportunities after graduation**” by Mr. Atul Negi, GATE Expert, IMS GATE Academy, Vijayawada, for III -B. Tech. ME students on 25.07.2023 from 11:00 AM to 01:00 PM in the Ground floor Seminar hall.



2. Department of Mechanical Engineering organized a Guest Lecture on “**Make Innovation a core value**” by Sri. V. Rajkumar, Scientist F, Defence Research and Development Laboratory (DRDL), Hyderabad, Telangana for II & III-B. Tech. ME students and faculty on 19.08.2023 from 10:00 AM in the Ground floor Seminar hall.



3. Department of Mechanical Engineering organized a Guest Lecture on “**Scope of Refrigeration and Air Conditioning in Mechanical Engineering**” by Sri. P. Radha Krishna, Managing Director, Coolex Industries Pvt. Ltd., Autonagar, Vijayawada for II, III & IV-B. Tech. ME students and faculty on 15.09.2023 from 11:30 AM in the Ground floor Seminar hall.



4. Department of Mechanical Engineering organized a Guest Lecture on “**Understanding HVAC industry**” by Dr. B. Anand Babu, Managing Director, Genex Consultants, Hyderabad for III -B. Tech. ME students on 03.10.2023 from 02:00 PM in the room number 107.



5. Department of Mechanical Engineering organized a Guest Lecture on “**Energy Conservation Techniques-Green Buildings**” by Mrs. Saandeepani Vajje, Director, Earthonomic Engineers Pvt. Ltd., President, ISHRAE Vijayawada Chapter for III -B. Tech. ME students on 03.10.2023 from 03:00 PM in the room number 107.



6. Department of Mechanical Engineering organized a Seminar on “**Placement Opportunities in Mechanical Engineering**” by Mrs. Usha Thirumalastty and Mr. Sri Sainath, Director, Good Living Building Systems, Vijayawada, for IV -B. Tech. ME students on 06.10.2023 from 10:30 AM to 12:00 Noon in the Ground floor Seminar hall.



7. Department of Mechanical Engineering conducted one week ICT Short term course for staff on “**Marketing in the ‘METAVERSE’ Era**” by Entrepreneurship Development and Industrial Coordination department, NITTTR Chandigarh and course coordinator is Dr. Harsh Vardhan Samalia from 09.10.2023 to 13.10.2023.



8. Department of Mechanical Engineering is organizing a one day Workshop on “**CREO 10.0 Software**” by Sri. Pasam Sreekanth, Trainer, CREO, Parametric Technology Corporation (PTC), Hyderabad for IV -B. Tech. ME students and faculty on 13.10.2023 from 10:00 AM in the CAD lab room number- 348.



9. Department of Mechanical Engineering is organized a Guest Lecture on “**Work Done by the human heart: Designing Mechanical valves and pumps**” by Dr. Prasad Patnaik B.S.V., Professor, Fluid Mechanics Laboratory, Department of Applied Mechanics & Biomedical Engineering, IIT MADRAS, CHENNAI on 20.01.2024 for II & III-B. Tech. ME students and staff from 10:30 AM in the Ground floor Seminar hall.



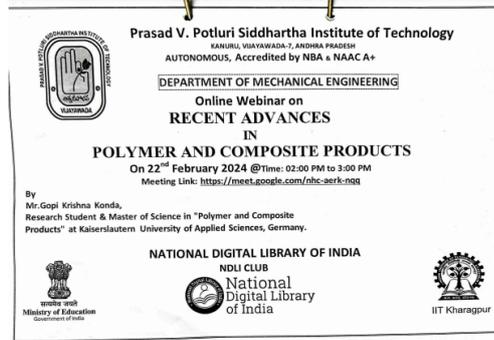
10. One week certification course on “Applications of Non-Destructive Testing” is conducted from 13.02.2024 to 17.02.2024 from 01.00 PM to 6.00 PM for the registered III B. Tech Mechanical Students in collaboration with “SYNERGEM”, Hyderabad. Mr. B. Ravi Teja, Technical Trainer from Synergem handled the training classes for both theory and hands-on practice sessions. Total 46 students gained knowledge from this course.



11. Department of Mechanical Engineering is organized a Seminar on "BUREAU OF INDIAN STANDARDS- STANDARDIZATION OF MECHANICAL EQUIPMENT" by Sri. B. Krishnaveer, Standards Promotion Officer, Scientist-B, BIS, State Office, Vijayawada, for III -B. Tech. ME students on 13.02.2024 from 11:00 AM to 12:00 Noon in the Auditorium.



12. Department of Mechanical Engineering in association with NDLI club is organized a Webinar on RECENT ADVANCES IN POLYMER AND COMPOSITE PRODUCTS” by Mr. Gopi Krishna Konda, Research Student & Master of Science in "Polymer and Composite Products" at Kaiserslautern University of Applied Sciences, Germany for II & III -B. Tech. ME students on 22.02.2024 from 02:00 PM to 03:00 PM in the Google meet platform.



13. Department of Mechanical Engineering is organized a Seminar on “**Technical Aspects in Execution of Mega Projects**” ” by Sri. Y. Vijaya Kumar, Former Head, operations, Tata Projects Limited and Former Head, Mechanical, L&T Constructions Limited, for II-B. Tech. ME, students on 23.02.2024 from 03:00 PM to 05:00 PM in the room number-113.



14. Department of Mechanical Engineering in association with Entrepreneurship Development Cell, organized a Guest Lecture on “**Motivation to Engineers and Engineering Practices**” Sri. M. Narayana Prasad, Entrepreneur, Narayana Prasad Electrical works, Vijayawada & Vizag for III-B. Tech. ME students on 23.02.2024 from 11:00 AM to 01:00 PM in the Ground floor Seminar hall.



15. Department of Mechanical Engineering in association with IQAC organized a talk on “**Agriculture Latest innovations and Natural farming Products**” Sri. Y. Chandra Sekhar, Chairman, EPL Group. for all faculty of PVPSIT on 30.03.2024 from 02:00 PM to 04:00 PM in the Ground floor Seminar hall.



Vijayawada, Andhra Pradesh, India  
 FMQV+6MH, Chalasani Nagar, Kanuru, Vijayawada, Andhra Pradesh 520007, India  
 Lat 16.487699°  
 Long 80.694148°  
 30/03/24 03:40 PM GMT +05:30

16. Department of Mechanical Engineering is organized a Career Development Programme by Mr. Ranganath Mummadi, Director, BE BEST Consultants, Vijayawada for III & IV-B. Tech. ME students on 06.04.2024 from 11:00 AM in the room number 123A.



Vijayawada, Andhra Pradesh, India  
 520007, Chalasani Nagar, Kanuru, Vijayawada, Andhra Pradesh 520007, India  
 Lat 16.486858°  
 Long 80.693578°  
 06/04/24 11:39 AM GMT +05:30



17. Two day International Conference on RECENT ADVANCES IN MECHANICAL AND INDUSTRIAL ENGINEERING (ICRAMIE-2024) on 22.03.2024 and 23.03.2024 organized by Department of Mechanical Engineering sponsored by Siddhartha Academy of General and Technical Education, Vijayawada.

**ICRAMIE - 2024**  
 INTERNATIONAL CONFERENCE ON RECENT ADVANCES IN MECHANICAL AND INDUSTRIAL ENGINEERING- 2024  
 Department of Mechanical Engineering, Prasad V Potluri Siddhartha Institute of Technology,  
 Kanuru, Vijayawada, Andhra Pradesh, India, March 22-23, 2024

**Registration** <https://sampathiraosidharth.github.io/ICRAMIE/> **Website** <https://sampathiraosidharth.github.io/ICRAMIE/> **Abstract Submission Link** <https://sampathiraosidharth.github.io/ICRAMIE/>

**About:** ICRAMIE-2024 seeks to offer a venue for academics, researchers, scientists, practicing engineers, industry experts, research scholars, and students to investigate cutting-edge innovations in Mechanical and Industrial Engineering. Moreover, to offer and share their research and experience in order to look for solutions to the world's problems.  
 The conference offers a chance for participants to learn about the most recent advancements and trends in manufacturing, production engineering, machine design, fluid/thermal engineering, materials science, and industrial engineering through scientific information exchange.

SELECTED PAPERS FROM THE CONFERENCE WILL BE PUBLISHED IN SPRINGER LECTURE NOTES IN MECHANICAL ENGINEERING

18. A two week online FDP on “**Industry 4.0/5.0**” Sponsored by Siddhartha Academy of General and Technical Education organized by Department of ME, PVPSIT. The resource persons were Dr. V Vasu, Professor, Dept. of Mechanical Engineering, NIT Warangal, Dr.PradeepGururajYammiyavar, Professor -Visiting & Dean Student

Welfare, Mechanical, Materials and Aerospace Engineering, IIT Dharwad, Dr.Vyom Sharma, Assistant Professor, Mechanical, Materials and Aerospace Engineering, IIT Dharwad, Dr.AkhileshBarve, Professor, Dept. of Mechanical Engineering, MNIT, Bhopal, Dr.Rukmini Srikanth Revuru, Associate Professor, University of Northern Iowa, USA, Dr. K Srikanth, Professor, Dept. of Mechanical Engineering, NIT Warangal, Dr. K. Ratna Kumar, Assistant Professor, Dept. of Mechanical Engineering, NIT Calicut, Dr. V Vasu, Professor, Dept. of Mechanical Engineering, NIT Warangal, Dr.Manjaiiah, Assistant Professor, Dept. of Mechanical Engineering, NIT Warangal, Dr.Annapurna Jonnalagadda, Associate Professor Grade 1, Department of Software Systems, VIT Vellore, Dr E Suresh Babu, Assistant Professor, Dept. of Computer Science & Engineering, NIT Warangal from 15.04.2024 to 27.04.2024.

The image displays two screenshots from a Zoom meeting. The left screenshot shows a presentation slide titled "Classification of Manufacturing Processes" with a tree diagram. The right screenshot shows a presentation slide titled "A Generalized Model of a Supply Chain" with a flow diagram. Both screenshots include a grid of participant avatars.

**Classification of Manufacturing Processes**

- Constant volume manufacturing processes
  - Ex. Casting
  - Extrusion
  - Drawing
  - Rolling
  - Forging
- Subtractive Processes
  - Ex. Milling
  - Turning
  - EDM
  - ECM
  - USM
  - EBM
  - LBM
  - AM
- Joining Processes
  - Ex. Welding
  - Soldering
  - Bonding
- Additive Processes
  - Ex. CYD
  - PVD
  - LIGA
  - Lithography
  - Polymer deposition
  - RP/RT

**A Generalized Model of a Supply Chain**

The diagram illustrates a supply chain model with the following components and flow:

- 2nd Tier Suppliers** (represented by a blue box) feeds into **1st Tier Suppliers** (represented by a purple box).
- 1st Tier Suppliers** feeds into **Manufacturer** (represented by a green box).
- Manufacturer** feeds into **Distributors** (represented by a yellow box).
- Distributors** feeds into **Wholesaler** (represented by a light blue box).
- Wholesaler** feeds into **Retailer** (represented by a dark blue box).
- Retailer** feeds into **Customer** (represented by a pink box).