

CHIEF PATRONS

Prof. H. Sudarsana Rao
Vice Chancellor (i/c), JNTUA, Ananthapuramu.

PATRONS

Prof. S. Krishnaiah,
Registrar, JNTUA, Ananthapuramu.

PROGRAM DIRECTOR

Prof. G. Prasanthi
Director, Faculty Development Center,
JNTUA, Ananthapuramu.

CHAIR PERSON

Prof. K. Chandra Sekhar Naidu
Chairman, VEMUIT.

COORDINATOR

Dr. Naveen Kilari

Professor, Dept. of Mechanical Engineering,
VEMU Institute of Technology

CO-COORDINATORS

Dr. Harinadh Vemanaboina,
Professor, Dept. of Mech, VEMUIT.
Dr. P. Chenga Reddy
Professor, Dept. of Mech, VEMUIT.

ORGANIZING COMMITTEE

Dr. G. Harinath Gowd	- Professor
Dr. G. Ramesh	- Associate Professor
Dr. M. Venkatesulu	- Associate Professor
Mr. G. Suresh (Ph.D)	- Associate Professor
Mr. P. Kumar (Ph.D)	- Associate Professor
Mr. V.V. Anantha Chakravarthy	- Associate Professor
Mr. M. Sudarsanam	- Associate Professor
Mr. M. Dorababu	- Associate Professor
Mr. K. Hema Mahesh	- Associate Professor
Mr. Vimalteja	- Associate Professor
Mr. C.H. Hemadri	- Associate Professor
Mr. M. Sankar	- Assistant Professor
Mr. K. Rajesh Kumar	- Assistant Professor
Mr. K. Praveen Kumar	- Assistant Professor

5 DAY FACULTY DEVELOPMENT PROGRAMME on

"3D Printing and Post processing for Industrial Applications "

21 - 25 October 2024



Jointly organized
by

Department of MECHANICAL ENGINEERING



**VEMU INSTITUTE OF
TECHNOLOGY**
AUTONOMOUS INSTITUTION
P.Kothakota, Tirupati - Chittoor Highway, Chittoor (Dt.), AP - 517112.

&



FACULTY DEVELOPMENT CENTER
**JAWAHARLAL NEHRU
TECHNOLOGICAL UNIVERSITY ANANTAPUR**
Ananthapuramu

ABOUT VEMUIT

VEMU Institute of Technology is one of the well known and finest technical institutions in Chittoor District, Andhra Pradesh (A.P). VEMU Institute of Technology founded and established in 2008 by a true academician Prof. (Dr.) K. Chandra Sekhar Naidu, Retired Professor, Andhra University. It is located at P.Kothakota, on the Tirupathi-Chittoor Highway in a beautiful 16-acre campus.

RECOGNITIONS & AFFILIATIONS

- ▶ Approved by AICTE, New Delhi.
- ▶ Affiliated to JNTUA, Anantapuramu.
- ▶ An Autonomous Institution.
- ▶ Accredited by NBA (CSE, ECE, EEE, MECH & Civil Engg. programs).
- ▶ Accredited by NAAC A+ (CGPA 3.48).
- ▶ Certified by ISO 9001-2015 for Quality Management.
- ▶ Ranked as 'A' Grade College by Department of Technical Education, Govt. of A.P.
- ▶ Recognized under 2(f) and 12(B) of UGC Act 1956.
- ▶ Atal ranking for Institution Innovations Achievement (ARIIA) - 2021 rank: PERFORMER.
- ▶ Careers360 Rating AAA+.
- ▶ 19th Rank In Private Engg. Colleges in AP in The Week Hansa Reaserch Survey 2024-Best Colleges in India.

ABOUT THE DEPARTMENT

The Department of Mechanical Engineering (ME) at VEMU provides a solid foundation in mechanical engineering principles and practical experience in mechanical systems design, manufacturing, and maintenance. The Department of Mechanical Engineering came into existence in 2011, offering B.Tech. in Mechanical Engineering. The department also offers an M.Tech in Machine Design, starting in 2014. The department is accredited by the NBA from the year 2024 to 2027. Further, our department has the recognized Research Centre for pursuing a full-time Ph.D. under JNTU Anantapur.

ABOUT FDP

The objective of the Five-Day Faculty Development Program on "3D printing and Post processing for industrial applications" is to equip participating faculty members with a comprehensive understanding of the challenges associated with 3D printing process and post processing. The program aims to enhance their knowledge and skills in these areas, enabling them to promote industry and institute collaborations by working on the current research problems.

OBJECTIVES

- ▶ Enhance Knowledge: To provide in-depth understanding of 3D printing, components, and technologies.
- ▶ Skill Development: To equip faculty with practical skills in designing, and process, post processing and reverse engineering.
- ▶ Research and Development: To promote research initiatives and collaborative projects.

TOPICS OF FDP

- ▶ Metal Additive Manufacturing techniques.
- ▶ Impact of SLM process in Aerospace products.
- ▶ Post-processing Techniques and impact on products
- ▶ 3D printing parts in automobile industries.
- ▶ Manufacture of complex thin-walled metallic using AM process.
- ▶ Preprocessing in Wire Arc Additive Manufacturing process.
- ▶ Minimize the post-processing work and strategies.
- ▶ 3D of polymer composites.
- ▶ Additively Manufactured Helmet Liner Structures.

EXPECTED OUTCOMES

- ▶ Enhanced faculty expertise in 3D printing of polymer and Metals.
- ▶ Improved integration of post processing of printed parts.
- ▶ Hands on training on modelling of the components
- ▶ Hands on training of the reverse engineering using 3D scanning.
- ▶ Strengthened research output and collaborative efforts in Additive Manufacturing.

TARGET AUDIENCE

This FDP is open to Faculty members from Constituent and affiliated colleges of JNT University Anantapur, Ananthapuramu.

GUIDELINES

- ▶ FDP on Physical mode
- ▶ No Registration fee
- ▶ Participants 25 to 30
- ▶ 100 % attendance



No Registration Fee

"Scan QR Code & Complete Registration"

LINK: <https://forms.gle/iBgbAEub4P4LqR5n9>

CONTACT:

Dr. Naveen Kilari - principal@vemu.org.
Dr. Harinadh Vemanaboina- +91 85558 69687.
Dr. P. Chenga Reddy - +91 95979 16762.