

About the Institute

Madanapalle Institute of Technology & Science is established in 1998 in the picturesque and pleasant environs of Madanapalle and is ideally located on a sprawling 26.17 acre campus on Madanapalle - Anantapur Highway (NH-205) near Angallu, about 10km away from Madanapalle.

MITS, originated under the auspices of Ratakonda Ranga Reddy Educational Academy under the proactive leadership of Dr. N. Vijaya Bhaskar Choudary, Ph.D., Secretary & Correspondent of the Academy and Mrs. N. Keerthi, Executive Director. MITS offers UG courses such as ME, Civil, CSE, EEE and ECE and PG programmes are MBA & MCA. The college is awarded ISO 9001: 2008 certification for quality policies and is also accredited by NBA and NAAC A+. MITS ranked in the band 251 – 300 in the NIRF 2022 under the engineering discipline. The campus comprises aesthetically designed buildings that are networked by Wi-Fi technology. The institution is established with well-equipped workshops and laboratories, computers with internet facilities, smart classrooms, seminar halls, auditorium, library and sports facilities that provide an excellent learning environment for the students.

MITS is governed by progressive management that never rests on laurels and has been striving conscientiously to develop it as one of the best centers of Academic Excellence in India. The Institution's profile is firmly based on strategies and action plans that match changing demands of the nation and the student fraternity. MITS enjoys constant support and patronage of NRI's with distinguished academic traditions and vast experience in Engineering & Technology.

About the Department

The Department of Mechanical Engineering at Madanapalle Institute of Technology & Science started along with the institution in the year 1998. The department is currently offering one UG program (B.Tech in Mechanical Engineering) with an intake of 60. The B.Tech. programme under the department has been continuously accredited and re-accredited by the National Board of Accreditation (NBA) since 2013. The Department has a thriving research program with externally funded projects worth a total of more than Rs. One Crore. Faculty are also engaged in providing engineering consultancy for industrial entities. The research output from the department, in terms of quality journal publications and patents, has been steadily increasing in recent years. The students of the Department benefit from this thriving R&D culture in the department which provides them with an exposure to the state of the art research facilities and cutting-edge technologies.

Chief Patron

Prof. G. Ranga Janardhana

Hon'ble Vice-Chancellor
JNTUA, Ananthapuramu

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Prof. C. Sashidhar

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Chair Person

Dr. N. Vijaya Bhaskar Choudary

Secretary & Correspondent, MITS, Madanapalle.

Mrs. Keerthi Nadella

Executive Director, MITS, Madanapalle.

Program Director

Prof. B. Eswara Reddy

Director of Faculty Development,
JNTUA, Ananthapuramu.
Secretary, ISTE AP Section.

Program Convenors

Dr. C. Yuvaraj

Principal, MITS

Dr. M. Lakshmana Rao

Professor & Head, Department of ME, MITS

Program Coordinators

Dr. R. Prithvirajan

Associate Professor, Department of ME, MITS

Dr. S. Baskaran

Associate Professor, Department of ME, MITS

Program Co - Coordinators

Ms. Rupshree Ozah

Assistant Professor, Department of ME, MITS

Mr. Pujari Rajesh

Assistant Professor, Department of ME, MITS



Five day Faculty Development Programme On Contemporary Progressions, Challenges and Issues in Metal 3D Printing Technology

19th to 23rd June 2023



Jointly Organized by
Department of Mechanical Engineering

Madanapalle Institute of
Technology & Science

(UGC-Autonomous Institution)

Affiliated to JNTUA, Ananthapuramu, AP
Madanapalle-517325, Annamayya Dist., Andhra Pradesh

&

Faculty Development Cell
Jawaharlal Nehru Technological University
Ananthapur, Ananthapuramu

In association with ISTE AP Section

About FDP

The faculty develop programme (FDP) on "Contemporary Progressions, Challenges and Issues in Metal 3D Printing Technology" brings together Scientists, Researchers and Faculties from various academic institutions in India to explore and contribute to the field of metal 3D printing. This FDP aims to encourage innovation and collaboration among participants to foster manufacturing capabilities of 3D printed components. It also serves as a platform to discuss and showcase the latest technologies, and research findings in the defined area. The significance of this FDP lies in its prospective to bring together the cheerful minds in the nation to drive innovation and contribute towards India's growth as a global leader in the design & manufacturing industry of additive manufacturing. This FDP will highlight the opportunities and discuss emerging challenges and issues in the additive manufacturing research area.

Organizing Committee

Dr. I. Arun	Professor
Dr. V. Vamsidhar	Associate Professor
Dr. K. V. Nagesha	Associate Professor
Dr. P. Sivaiah	Associate Professor
Dr. Kamlesh Kumar	Assistant Professor
Dr. Anantha Raman L	Assistant Professor
Dr. Arun Kumar.D	Assistant Professor
Dr. Manish Sharma	Assistant Professor
Dr. Satyajit Pattanayak	Assistant Professor
Mr. G. Kumar	Assistant Professor
Mr. Muthu Laxmanan	Assistant Professor
Mr. S. Manoj Kumar	Assistant Professor
Mr. H. Raghavendra	Assistant Professor
Mr. Jagannath Pattar	Assistant Professor
Mr. Dhruvajit Sarma	Assistant Professor
Mr. N. Siva Balaji	Assistant Professor
Mr. Reddi Lakshman Surapasetti	Assistant Professor

Contact Details

Dr. R. Prithvirajan Associate Professor, MITS prithvirajanr@mits.ac.in 9688714223	Mr. Pujari Rajesh Assistant Professor, rajeshp@mits.ac.in 9398542628
Dr. S. Baskaran Associate Professor, MITS drbaskarans@mits.ac.in 9942336107	

Topics to be covered

- State of art 3D printing
- Contemporary progressions in additive manufacturing
- Challenges and Issues in 3D printing of various metallic materials
- Fault analysis of 3D printing process
- Additive manufacturing of various materials
- Weld and Laser based cladding techniques in 3D printing process
- Issues in 3D printing of Inconel & stainless steel 316
- Characterization of additively manufactured parts such as Mechanical, Corrosion, Microstructural evolution
- Applications of 3D printing in different sectors
- Generative design
- Material efficiency in additive manufacturing
- Research opportunities in metal 3D printing

Targeted Audience

Teaching faculty of constituent & affiliated colleges of Jawaharlal Nehru Technological University Anantapur

Registration

Registration Link:

<https://shorturl.at/dfkqM>

No registration fee

No. of registration is limited to 30

Selection is based on first come first serve basis

Accommodation will be provided for external participants



Eminent Speakers

Dr. Ram Prabhu T

Joint Director,
Defence Research and Development Organisation (DRDO), Bangalore

Dr. Jayaganthan R

Professor, Dept. of Engineering Design
Indian Institute of Technology (IIT), Madras

Dr. Arunachalam N

Associate Professor, Dept. of Mechanical Engineering
Indian Institute of Technology (IIT), Madras

Dr. Mamilla Ravi Sankar

Associate Professor, Dept. of Mechanical Engineering
Indian Institute of Technology (IIT), Tirupati

Dr. Senthilkumaran K

Assistant Professor, Dept. of Mechanical Engineering
Indian Institute of Information Technology,
Design and Manufacturing (IIITD&M), Kanchipuram

Mr. Manjunath B N

Scientist C
Central Manufacturing Technology Institute,
Bangalore

Dr. Sohini Chowdhury

Dept. of Mechanical Engineering
Indian Institute of Technology (IIT), Madras

Dr. Renold Elsen S

Associate Professor, Dept. of Design & Automation
VIT University, Vellore.

Dr. Solomon Bobby

Director, Additive Minds Academy,
EOS Electro Optical Systems India Pvt Ltd, Bangalore

Mr. Amit Saxena

Executive Engineer,
Amace Solutions Pvt Ltd, Bangalore

Venue

Scale up Class Room (East Block)
MITS, Madanapalle

