A Glimpse into Our Institution

The institute is situated in the heart of Bhopal on a beautiful plateau with a verdant 650-acre campus. Maulana Azad National Institute of Technology (MANIT), Bhopal is an institute of national importance. At present there are 210 faculty members, 500 staff members and 5400 UG, PG and PhD students. Institute has 15 departments, 2 centers offering 9 UG, 31 PG programs and PhD in all the departments. The institute is successfully meeting the objectives of producing skilled manpower of the highest quality to cope up with challenges of ever evolving industrial needs of the country.

PATRON

Dr. Karunesh Kumar Shukla

Director, MANIT Bhopal

CO-PATRON

Dr. Satish Pal Singh Rajput

Dean Institutional Development & International Relations

DEPARTMENT HEAD

Dr. K. R. Aharwal

Prof. Department of Mechanical Engineering

CO-ORDINATORS

Dr. Vijay Panchore

Assistant Professor, Department of Mechanical Engineering

Dr. Tikendra Nath Verma

Associate Professor, Department of Mechanical Engineering

Dr. Gaurav Dwivedi

Assistant Professor, Energy Centre

Address for Correspondence

Dr. Vijay Panchore

Assistant Professor, Department of Mechanical Engineering

Mob: 9872193532,8989838999

Email: vijaypanchore3@gmail.com

Five Days Hybrid Workshop

" Recent trends in design softwares"

(24th – 28th February 2025)

Hybrid Mode (Online/Offline)

Funded by

SERB-DST

Anusandhan National Research Foundation

Venue :

Department of Mechanical Engineering
MANIT , Bhopal

ORGANISED BY

Department of Mechanical Engineering
Maulana Azad
National Institute of Technology,
Bhopal, M.P. – 462003
Website: www.manit.ac.in

About the Department:

The Mechanical Engineering Department was established in 1960. The department is continuously striving to achieve excellence in education, academic, and industry-oriented research as well as consultancy work aiming to service society. The major research areas include Machine Design, Fluid & Thermal Sciences, Manufacturing, Material Science, and Industrial Engineering . Currently, the department has been offering B.Tech in Mechanical Engineering, M.Tech in five specializations, and Doctoral Programs. The students of all tiers have access to both expert faculty members in the department and institute-supported industry engagement opportunities.

About the Course

With the increasing complexity of modern engineering challenges, there is a growing need for advanced computational tools to analyze and solve these problems effectively. This course addresses that need by enhancing participants' skills in applying CFD, FEM, and design tools to solve complex problems. It offers hands-on experience with these computational methods for modeling, analysis, and optimization in various engineering applications. The course aims to equip participants with the knowledge to effectively use these tools to tackle engineering challenges and improve system performance and efficiency.

Objective :

To explore the use of computational methods, such as CFD and FEM, for analyzing and solving complex engineering problems effectively.

To provide hands-on experience with modern design and simulation tools for modeling, analysis, and optimization in advanced engineering applications.
To investigate the aerodynamics of rotor blades using FEM to predict aerodynamic loads, structural responses, and stability for improved performance.

The objective of this workshop is to introduce participants about the importance of design software in solving real world application problems. The session will cover applications of design and computational software across industries and in research domain.

Participation Eligibility

Open to all UG, PG, PhD and Faculty

Important Dates:

Registration open
25th December 2024

Last date of Application
10th February 2025

Workshop dates
(24th – 28th February 2025)

Registration Form:

https://forms.gle/t7dEP4jt3pksgQb88

For participants :

No Registration Fees
The workshop will be conducted in Hybrid Mode (Online/Offline)
80% Attendance is compulsory for the Certificate.
**** For Participants of MANIT offline attendance is compulsory.***