



# MANIPAL INSTITUTE OF TECHNOLOGY

## MANIPAL

(A constituent unit of MAHE, Manipal)

## Two Days Workshop

on

## Computational Methods for Solving Engineering Problems (CMSEP-2023)

November 03-04, 2023

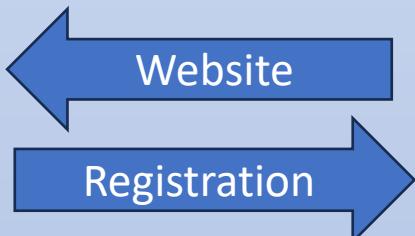
Organized by

Dept. of Mathematics, Dept. of Mechanical & Industrial Engineering and Dept. of Aeronautical and Automobile Engineering,  
Manipal Institute of Technology, Manipal

### About the Workshop

The "Two Days Workshop on Computational Methods for Solving Engineering Problems" is an intensive and engaging event aimed at equipping engineering professionals, researchers, and students with the latest tools and techniques in computational methods. The workshop will provide participants with hands-on experience utilizing cutting-edge software and algorithms to tackle complex engineering challenges across various mechanical, mathematical, electrical, and other disciplines. Through interactive sessions, practical demonstrations, and expert-led lectures, attendees will gain valuable insights into numerical simulations, finite element analysis, and computational methodologies. This workshop presents a unique opportunity for participants to enhance their problem-solving abilities, foster interdisciplinary collaboration, and stay updated with the rapidly evolving landscape of engineering solutions driven by computation.

### Scan Here For



### Speakers



**Prof. Tanmay Basak**  
IIT Madras

Title: **Finite Element Method for Solving Engineering Problems**



**Prof. Yagnesh N. Sharma**

Former Professor, MIT Manipal

Title: **Solving Partial Differential Equations using Finite Volume Methodology**



**Dr. Aniruddha Sanyal**  
NIT, Calicut

Title: **Basics of Computational Heat and Fluid Flow using Finite Difference Methodology-from Model Development to iterative solutions**

### Important Dates

Payment of registration fees : November 01, 2023

Workshop dates : November 03-04, 2023

### Registration Fee

Registration Fee (Inclusive of GST)	Research Scholar/ Students	Faculty R&D Organizations/ Industry
India	INR 750/-	INR 1000/-
<b>Note: The accommodation will be provided in MIT Hostels against payment</b>		

### Organizing Committee

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**How to reach Manipal:** Well-connected Manipal is accessible by road, rail, and air. By train, Udupi railway station, 4 kilometers from Manipal, connects to major Indian cities. Manipal is connected to major Indian and international cities by Mangalore International Airport, 60 kilometers away. The nearest bus station, Manipal TC/Udupi KSRTC Bus stand, makes road travel easy in Manipal. The entry points of Udupi and Mangalore make Manipal easy to visit for its academic institutions and vibrant surroundings.