

# FIVE –DAY WORKSHOP ON FINITE ELEMENT METHODS – THEORY AND PRACTICE (ANSYS)

June 19 – 23, 2023

Organized by

Department of Mechanical Engineering  
Indian Institute of Technology Tirupati

भारतीय प्रौद्योगिकी संस्थान तिरुपति



Course Coordinator

**Prof. N.N.Kishore**

E-mail: nnk@iittp.ac.in

Course Co-Coordiators

**Dr. P. Venkataraman**

**Dr. Anup Basak**

## WHO SHOULD ATTEND THE COURSE

This course is designed to the faculty involved in teaching the course on finite element method and for the students who intend to make a career in finite element applications in near future. The course also aims at solving representative engineering problems using commercial FE software's which will be extremely useful for the industry, research professionals and senior PhD students Overall, this course is intended to provide an excellent exposure on theory and concepts of FEM along with hands on experience on several example problems using commercial FE package ANSYS.

## AIM AND SCOPE

The course aims to provide a basic survey of the finite element method & to introduce the applications of the methods in solid, fluid, and thermal engineering. The course will be useful to academic participants in obtaining a picture of the latest development in finite element research.

Industrial participants will strongly benefit from an exposure in solid, fluid and thermal engineering to the advanced applications in solid, fluid and thermal engineering.

## AIM AND SCOPE

- » Introduction to Finite Element Method
- » Variational Formulation
- » Application To 2D &3D Problems
- » Numerical Integration
- » System of Linear Equation
- » Isoparimetric Formulation
- » Application to Fluid Mechanics
- » Hands on Sessions with ANSYS

## Registration Form

### Five –Day Workshop on Finite Element Methods – Theory and Practice (ANSYS)

June 19 – 23, 2023

Name :

Designation :

Organisation:

Address :

Conatct No. :

e-mail :

### Payment Details

Ref. No.

Paid on

Amount

Sponsored by:

Name :

Designation :

Organization :

Signature



## \*REGISTRATION

#Students : Rs.2500

Faculty members : Rs.5000

Participants from Industry  
and R & D Organizations : Rs.7500

\*Fees includes boarding and Lodging for five days

#Preference will be given to PhD and M.Tech students

## IMPORTANT DATES

Last date for receiving the application	13 June 2023
Information about selection	15 June 2023

Send the completed application in the enclosed format.  
email: [beesam@iittp.ac.in](mailto:beesam@iittp.ac.in)

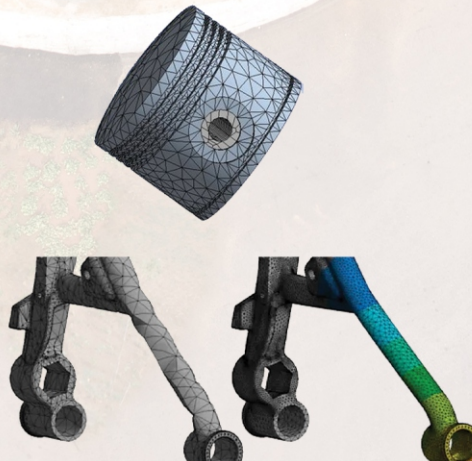
Note: Selected candidates will be informed by e-mail

## Payment Details (Netbanking)

Institution's Account Name (As per bank record)	INDIAN INSTITUTE OF TECHNOLOGY TIRUPATI-PROJECTS
Account No.	921010000757268
IFSC Code	UTIB0001018
BANK NAME (in full)	AXIS BANK LTD
Branch Name	K.T ROAD, TIRUPATI
Complete Branch address	NO.83 K.T ROAD, TIRUPATI 517501
MICR No.	517211002
Account Type	SAVINGS ACCOUNT

Contact Person : **Mr. B Ramesh Kumar**

Mobile Number : 8328553123



Co-Sponsors **Ansys**

## INDIAN INSTITUTE OF TECHNOLOGY TIRUPATI

Yerpedu - Venkatagiri Road, Yerpedu,  
Tirupati District. Pin: 517 619,  
Andhra Pradesh, India.

