



ONLINE WORKSHOP ON FINITE ELEMENT ANALYSIS WITH MATLAB AND ANSYS

January 3rd-7th, 2022



Computational methods play an important role in carrying out high end research. These are capable of handling large system of equation, different degree of non-linearities which are common in engineering practice. Finite Element Method (FEM) is one such technique used to model and simulate physical phenomenon governed by differential equation. It is widely employed by many industries grade software for simulation and analysis work. Moreover, Finite element method is one of the most coveted numerical analysis tool used by engineering postgraduate and research scholars. This workshop will provide an opportunity to learn about finite element method in detail along with hands on practical sessions to get familiarized and acquainted with the method.

CALL FOR PARTICIPATION

The Department of Mechanical Engineering, National Institute of Technology Hamirpur, is organizing the e-workshop for Faculty, PG students and Research Scholars of recognized Technical & Engineering Institutes. The course will run in online mode.

A researcher must be able to adapt an appropriate mathematical formulation and solve it analytically or numerically. This requires an understanding of various formulation and solution techniques. Topics of interest include, but are not limited to:

- ✓ Introduction to Finite Element Method
- ✓ FEM Analysis with One Dimensional Elements
- ✓ FEM for Heat Transfer Problems
- ✓ FEM for Solid Mechanics Problems
- ✓ FEM Modelling in ANSYS and MATLAB

COURSE FACULTY:

Faculty from IITs, NITs, other premier institutions will deliver the lectures and practical sessions.

IMPORTANT DATES:

Registration starts from	Dec 6 th , 2021
Last date for Receiving Application	Dec 31 st , 2021

REGISTRATION FEE:

Academia/R&D Scholars: Rs 500/-
Industry Personnel: Rs 1000/-
Students: Rs. 200/-

Registration Link for participants:

<https://forms.gle/7eegvQ6MfpGg5qxi7>

Instruction to submit the fee:

1. Go to "https://www.onlinesbi.com/sbicollect/"
2. Select **State of Corporate / Institution *** as "Himachal Pradesh" and **Type of Corporate / Institution *** as "Educational Institutions".
3. Select **Educational Institutions Name *** as "NIT Hamirpur".
4. Select **Payment Category *** "Workshop STC FDP Conference"

Fill the details correctly and email the payment receipt to mohitfme@nith.ac.in.

Patron: Prof. Lalit Kumar Awasthi (Director, NIT Hamirpur)
Chairperson & Treasurer: Dr.Sant Ram Chauhan (Head DoME)
Convenor: Dr. Mohit Pant **Coordinator:** Dr. Rajesh Sharma

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