

1 Week Workshop on FEM in Plasticity followed by sessions on UHV

INSIGHTFUL DISCUSSION



09:00 AM – 05:00 PM



25th – 31st May, 2024



North Campus,
IIT, Mandi (H.P.)

Registration Deadline



24th May, 2024

**LIMITED
30 SEATS**

*Registrations will be accepted on
a first-come, first-served basis*

About the workshop

This workshop is organized to improve the understanding on the basic concepts of finite element method (FEM) and its applications to elasto-plastic behaviour of engineering materials. The workshop also gives an opportunity to the participants for enhancing their abilities on universal human values. The technical session will be organized in the morning slots. After lunch, there will be hands on session on the programming of FEM using MATLAB. In the evening, sessions of human values will be organized. This holistic approach not only aims to cultivate just the technical skills in individuals, but also provides an opportunity for participants to evaluate the problems of society in connection with harmony in the universe.

Specially Invited Speaker



Dr. Puneet Mahajan

*Professor (TRIPP Chair),
Department of Applied Mechanics,
IIT Delhi*



Dr. Rajneesh Sharma

*Associate Professor,
SCENE, IIT Mandi*

Organisers



Dr. Atul Dhar

*Associate Professor (Chairperson),
SMME, IIT Mandi*

Topics :

- Basics of FEM
- Programming concepts in FEM
- Basics of Plasticity
- Applications of FEM to Plastic Problems
- Modelling of elasto-plastic behaviour using MATLAB / user subroutine
- Understanding of harmony in
 - Self
 - Family
 - Society
 - Nature
 - Universe

Registration Fees :

Students / Research scholars : INR 2,000 /-
Faculties / Industrial participants : INR 10,000 /-
* Registration fees includes registration kit, refreshment and one special dinner. Participants have to bear their own living expenses during the workshop.

Payment Details :

Name of Account Holder : CCE, IIT Mandi

Bank Name : Punjab National Bank

Address : PNB, IIT Kamand, Mandi, H.P. - 175075

A/c No. : 7315000100034369

IFSC Code : PUNB0731500

MICR Code : 175024138



Scan & pay using any BHIM / UPI app

UPI ID : 8290544445m@pnb

Merchant : IIT Mandi SRIC Extension Activities

Accommodation :

Limited accommodation is available for the participants at campus on payment basis. We encourage participants to book their accommodation well in advance.

How to register :

The participant has to register for the workshop through the following link :

<https://forms.gle/zGEAkHXRSzkTskXs6>



Organised by :

Applied Mechanics and Design Group,
School of Civil and Environmental Engineering,
Indian Institute of Technology, Mandi, Himachal Pradesh, India

&

School of Mechanical and Materials Engineering,
Indian Institute of Technology, Mandi,
Himachal Pradesh, India

Who should attend :

The professionals and students engaged in research, teaching and consultancy are invited to attend the workshop.

Volunteers :

- Akshat Verma (+91-89884-18804)
- Ganesh Jaiswal (+91-97736-54249)
- Shubham Sharma (+91-81306-65321)
- Vishal Choudhary (+91-99299-73754)

Email : fem.uhv.iitmandi@gmail.com

For registration queries and clarifications, please contact on the above mentioned email or phone numbers