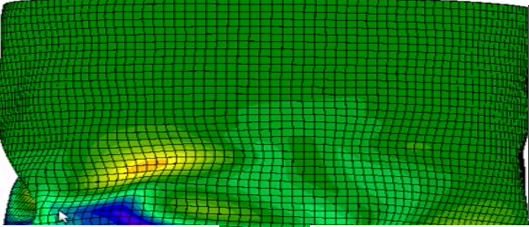


The Department of Mechanical and Civil Engineering
Indian Institute of Technology Jammu

In association with

EDS Technologies: Dassault Systèmes (Abaqus)



Six-days Online Faculty Development Programme
On

ADVANCED FINITE ELEMENT ANALYSIS

Limited to 50 registrations only

Registration link: <https://bit.ly/3fTt2zI>

Dates: 23-28 June 2021

The programme is open for research scholars / faculties / scientists having preliminary background of Linear FE problems

Year 2021 (Indian Standard Time)	Day 1 (23 June)	Day 2 (24 June)	Day 3 (25 June)	Day 4 (26 June)	Day 5 (27 June)	Day 6 (28 June)
Session 1 (9:30 - 11:00 am)	Continuum Mechanics (Kinematics)	Dynamics Problems and solution techniques	M, K, and C matrices from Abaqus to Matlab and Modal Analysis Q&A	Ducker-Prager Plasticity model with ABAQUS Q&A	Contact Mechanics-I Q&A	Introduction to Impact Problems
Session 2 (11:30 am - 1:00 pm)	Constitutive Relations in Continuum mechanics Q&A	Solution of Hyperbolic Diff Eqn Q&A	High Precision Techniques in FEM Q&A	Damage Mechanics (Fracture) Q&A	ABAQUS Analysis for Contact Problems Q&A	Solution techniques for Impact Problems Q&A
Session 3 (3:00 pm - 4:30 pm)	2D and 3D Static Problems: Quick Review Q&A	Damping Characterization in Dynamics Problems Q&A	Non-linear Material Analysis Q&A	Material Non-homogeneity solution using Abaqus Q&A	Contact Non-linearity Q&A	Impact problems solution using Abaqus Q&A

Speakers:

- ❖ Prof. Sondipon Adhikari, Swansea University, UK
- ❖ Prof. C S Upadhyay, IIT Kanpur, India
- ❖ Prof. Bishakh Bhattacharya, IIT Kanpur
- ❖ Prof. Arghya Deb, IIT Kharagpur
- ❖ Dr. Fathima Parvej, IIT Jammu
- ❖ Dr. Roshan Patil, IIT Jammu
- ❖ Dr. Sahil Kalra, IIT Jammu
- ❖ Dr. Rimen Jamatia, IIT Jammu
- ❖ Dr. Amit Shedbale, IIT BHU
- ❖ Dr. Atul Kumar Sharma, IIT Jodhpur

Registration Fee:

- ❖ ₹500/- for Indian Research Scholars
- ❖ ₹1000/- (Faculty, Industry International Scholars)
- ❖ Registration link: <https://bit.ly/3fTt2zI>
- ❖ Additional Information: sahil.kalra@iitjammu.ac.in
Mob. +91-9453390079 (whatsapp)