

CORRESPONDENCE

Dr. Kaustav Bakshi

Course Coordinator

Discipline of Civil Engineering

Indian Institute of Technology

E-mail: kaustav.bakshi@iiti.ac.in

or

Dr. Guru Prakash

Co- Coordinator

Discipline of Civil Engineering

Indian Institute of Technology

E-mail: guruprakash@iiti.ac.in

COURSE CONTENTS

1. High Performance Concrete for 21st century.
2. Earthquake resistant structures and retrofitting.
3. Sustainable construction practices.
4. Dynamic soil-structure analysis for asymmetric building supported on pile raft.
5. Structural health monitoring using probabilistic methods.
6. Random events and variables, probabilistic models, estimation of parameters.
7. Numerical and computational methods.
8. Laminated composite structures.
9. Finite element modelling of doubly curved civil engineering shells.
10. Geometrically nonlinear failure analysis.
11. Failure study of circular steel tubes using geometric and material nonlinearity.

ELIGIBILITY

The course is designed for faculty members/research scholars/industry personnel involved in R&D activities.

REGISTRATION

The course will be conducted through online mode and participants can [CLICK HERE](#) to complete the registration **before 7 pm, 7th October 2020**.

REGISTRATION FEE

No registration fee is needed for the course.

KEY SPEAKERS

1. Prof. Somnath Ghosh, Jadavpur University
2. Prof. Sandeep Chaudhary, IIT Indore.
3. Dr. Budhaditya Hazra, IIT Guwahati.
4. Dr. Neelima Satyam, IIT Indore.
5. Dr. Saikat Sarkar, IIT Indore.

ABOUT IIT INDORE

Indian Institute of Technology Indore (IITI) emerged as one of the premier teaching and Research institutions in National Institutional Ranking Framework, 2020 (Engineering). It is ranked within top 10 institutions in India. The institute is among the TOP 400 universities across the globe. It is an institute of national importance established by the Government of India in 2009. The permanent campus, spread over 510 acre (2.12 km²), is situated at Simrol on Khandwa Road about 25 km from downtown Indore. Since, February 2016, IIT Indore has started functioning from its permanent campus. The institute offers UG, PG and Doctoral programs in Civil Engineering, Computer Science and Engineering, Electrical Engineering, Mechanical Engineering and Metallurgy Engineering and Materials Science.

TEQIP III SPONSORED

SHORT-TERM COURSE

ON

**Recent Advancement in
Structural Engineering**

October 8 -10, 2020



Organized by

**Discipline of Civil Engineering
Indian Institute of Technology Indore
Indore, Madhya Pradesh-453552**