



INDIAN INSTITUTE OF TECHNOLOGY INDORE

Department of Civil Engineering
Organizes

QIP SHORT-TERM COURSE ON

Recent advancement in Structural and Geotechnical Engineering

March 8-12, 2021



About this course

The course will cover topics related to recent advancement in the field of structural and geotechnical engineering. Some of the key focus areas of proposed course includes degradation mechanism, structural health monitoring (SHM) using sensory data and reliability assessment of civil engineering infrastructure. The course will contain four major components:

- *Impact of climate change and other environmental factors on civil engineering structures;*
- *Degradation mechanism such as corrosion;*
- *Health monitoring of civil engineering structures using latest technologies; and*
- *Probabilistic health assessment of the civil engineering structures using real time SHM data.*

SHM techniques such as, non-destructive testing, vibration- based monitoring, strain-based monitoring and advanced optical sensing technology will be covered. Analysis of data to assess the present health condition of a structure will be explained. Recent advancement in real-time damage detection method and algorithms for remaining useful life estimation of critical structures will be discussed.

Registration

Interested candidates can register at
The given [link \(Click here\)](#)

Complete registration form should be filled. Incomplete registration form will not be entertained. Number of seats are limited. Selection is based on first come first serve basis.

Registration deadline: 5th march, 2021

Course Coordinator:

Course Co-Coordinators:

- DR. LALIT BORANA
Assistant Professor
- DR. GURU PRAKASH
Assistant Professor
- DR. ABHISHEK RAJPUT
Assistant Professor

Contact:

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The course will be conducted
in Online mode and the
weblink will be provided to
all the registered candidates.

Eligibility

- The course is open mainly to teachers of engineering colleges and polytechnics approved by AICTE. No course fee will be charged for participants sponsored by AICTE approved institutions.
- Eligible participants from other governments departments and industries must pay a course fee of Rs. 2500/- and Rs. 5000/- respectively per person.

Mode of Payment

Through online payment/bank transfer

Bank: Canara Bank;
Branch: IIT Indore, Simrol campus;
Account number: 1476101027440;
IFS Code: CNRB0006223)