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:

- DR. LALIT BORANA
  Assistant Professor

Course Co-Coordinators:

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

Contact:

Discipline of Civil Engineering
Indian Institute of Technology Indore
Indore-452020, Madhya Pradesh, India
Ph.: 0731-660 Ext: 3286/3310/3215
Email: iti.qip@gmail.com

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)

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