

FORM A

Prof./Dr./Mr./Ms./Mrs./_____ is an employee of our institute and his/her application is hereby sponsored. The applicant will be permitted to attend the short-term course on "Recent advancement in Structural and Geotechnical Engineering" at IIT Indore during March 23-27, 2020, if selected.

Date: _____ Signature of Sponsoring Authority

Designation: _____

Official Seal: _____

Only for applicants from Industries and Government Departments:

Payment date: _____

Payment Amount: _____

Mode of Payment & Ref.No: _____

Signature of the applicant _____

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 - 453552, M.P. India
Ph.: 0731-2438700 |Ext: 695/341/698
Email: iiti.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. However, Rs 1000/- caution-money has to be sent by the provisionally selected participants, which will be returned only when participant joins the course. Eligible participants from other governments departments and industries have to pay a course fee of Rs. 2500/- and Rs. 5000/- respectively per person and they will not be provided T.A. & D.A.

MODE OF PAYMENT

Through online payment/bank transfer.

Bank: Canara Bank; **Branch:** IIT Indore, Simrol;
Account number: 1476101027440;
IFSC Code: CNRB0006223.

FINANCIAL ASSISTANCE

A limited number of participants from AICTE recognized institutions will be eligible for AC-III tier railway fare via the shortest route from the place of work and free boarding and lodging during the course period. Only the candidates attending the course in full will be eligible for TA and DA.

BOARDING AND LODGING

Boarding and lodging facilities will be provided for the selected candidates from AICTE approved institutions in the student's hostels or guest house (depending on availability) of the institute.

IMPORTANT DATES

Registration deadline: March 8, 2020.

It is mandatory that a scanned copy of duly signed forms (Form A and Form B) be uploaded online at the given link: [Click here](#)

QIP SHORT-TERM COURSE ON

Recent advancement in Structural and Geotechnical Engineering

March 23-27, 2020



Organized by:

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

ABOUT IIT INDORE

In keeping with India's vision to become a world leader in science and technology and to usher in a new revolution, resulting in an unprecedented economic growth, Government of India reassessed the need of technical manpower and decided to set up eight new IITs. Six of them started functioning back from the academic year 2008-09. These were established at Hyderabad, Gandhinagar, Rajasthan, Ropar, Patna and Bhubaneswar. IIT Indore and IIT Mandi started functioning from July 2009.

Indian Institute of Technology Indore located in Madhya Pradesh, known as IIT Indore or IITI, is an institute of national importance established by the Government of India in 2009. It is one of the eight new IITs, started by the Ministry of Human Resource Development (India), Government of India. The institution started functioning from 2009-10 in a temporary campus at Institute of Engineering and Technology of Devi Ahilyabai University under mentorship of IIT Bombay. Shri Arjun Singh, the union HRD minister, laid the foundation of the permanent campus, spread over an area of around 501.42-acre (2.1 km²), on 17th February 2009 at Simrol, a location on Khandwa Road about 25 km from the city of Indore.

Since, February 2016, IIT Indore has started functioning from its permanent campus. All the administrative offices, material management section, finance and account section, the school of basic sciences, the school of humanities and social sciences, the school of engineering, basic science labs and engineering labs are all established in this campus. The Central Library is also situated in this campus.

ABOUT THE 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.

HOW TO REACH IIT INDORE

From Devi Ahilyabai Holkar Airport (IDR) to IITI:

The distance between IITI and IDR Airport is about 30 Km and you can take a taxi which costs around Rs 600-700.

From Railway station to IIT Indore:

From Railway Station, you can hire a Taxi (fare approx. Rs. 400-500). Distance is approx. 24 km from Railway Station.

City Bus Service:

You can board a local bus (No. M-19) shuttle service which originates from Bhanwarkuan bus stand (5km from railway station) to IIT Indore, it will cost Rs.25 per person.

FORM B

QIP SHORT TERM COURSE ON

Recent advancement in Structural and Geotechnical Engineering

- a. Name (in block letters): _____
- b. Designation: _____
- c. Basic pay: _____
- d. Organisation: _____
- e. Date of birth: ____/____/____
- f. Address for communication: _____

Pin:

Ph. No:

E-mail:

- g. Academic qualifications:
i) M. Tech ii) Ph.D.
- h. Specialisation: _____
- i. Experience (in years):
(a) Teaching: (b) Industrial: (c) Research:
- j. Amount of TA required as per entitlement mentioned in this brochure (only for AICTE approved college teachers)
Rs:
- k. Accommodation Required:
Yes No
- l. Sex: Male Female

Kindly register me for the QIP short-term course on “**Recent advancement in Structural and Geotechnical Engineering**” to be held at IIT Indore.

Place:

Date

Signature of the applicant