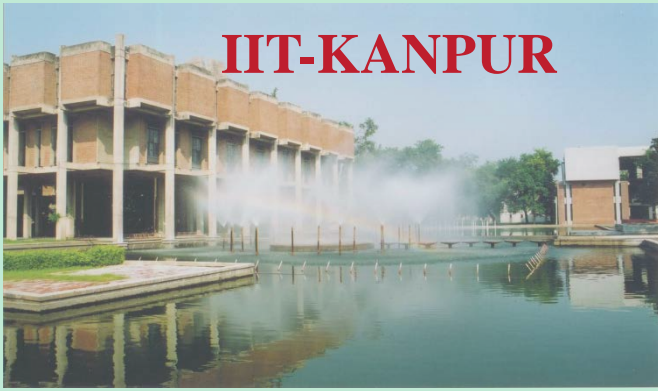


IIT-KANPUR



IIT Kanpur, established in 1959, is one of the first Indian Institute of Technology. The Department of Civil Engineering at IIT Kanpur is producing since 1961, high quality technical manpower needed by industry, R & D organizations, and academic institutions. The Department offers B.Tech., B.Tech -M.Tech Dual degree, M.Tech. and Ph.D degrees in Civil Engineering with six specializations, i.e., Structural Engineering, Geotechnical Engineering, Hydraulics and Water Resources Engineering, Transportation Engineering, Geoinformatics, and Infrastructure Engineering & Management. The Geotechnical Engineering division has renowned faculty and labs with state of the art equipments. This division is actively engaged in research, consultancy and developmental activities besides imparting regular teaching.

How to reach IIT-Kanpur

The campus is located on the Grand Trunk Road at Kalyanpur, about 15 KM west of Kanpur city and measure close to 420 hectares. The campus has all the amenities for developing the personal, social and academic skills of the community. Kanpur city is well connected with all the major cities in the country by rail, road and air. Kanpur Central Railway station is well connected to most cities in North, East and Central India. IIT Kanpur is located at a distance of about 16 kilometers from the Kanpur Central Railway Station.

Course Fees

QIP Candidates: There is no course fee for the sponsored teachers from engineering colleges (only those approved by AICTE, New Delhi). They will be paid to and fro III AC class train fare via shortest route and free boarding and lodging in the guest house/hostel of IIT Kanpur.

For selected candidates: The selected candidates will be requested to send a refundable caution deposit of Rs. 1000/- to ensure their commitment for participation in this course. DD has to be taken in favor of "Continuing Education Programme, IIT Kanpur". This amount will be refundable to those who attend the course.

Industry: The course is opened for persons from industries and R&D organisations. The registration fee is Rs. 15,000/- which will include course material and working lunch. TA, DA and Accommodation are not included in the registration fee.

Important Dates

Last date of receiving applications	November 18, 2018
Notification of acceptance	December 15, 2018
Receipt of demand drafts	December 30, 2018

Address for Correspondence

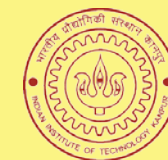
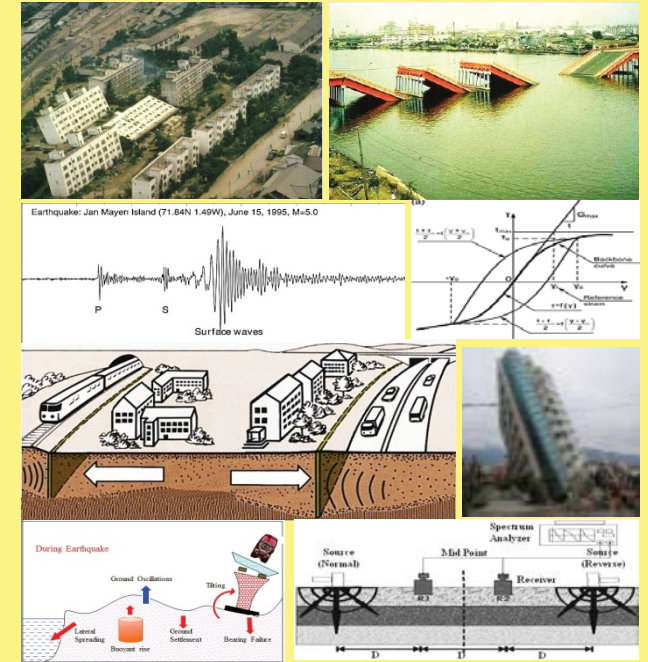
Dr. P.Ghosh & Dr. Rajesh Sathiyamoorthy
 Department of Civil Engineering,
 IIT Kanpur, Kanpur 208016, India.
 Email: priyog@iitk.ac.in / hsrajesh@iitk.ac.in
 Contact No. 0512-259-7022/6054

Short Term Course

ON

Recent Advancement in Earthquake Geotechnical Engineering

February 18 - 22, 2019



Coordinators:

Dr. Priyanka Ghosh
 Dr. Rajesh Sathiyamoorthy

Organized By:

Department of Civil Engineering,
 Indian Institute of Technology Kanpur,
 Kanpur - 208016, Uttar Pradesh India.

Introduction

An intensive course on “Recent Advancement in Earthquake Geotechnical Engineering” will be offered from February 18 - 22, 2019, under the Continuing Education Programme of Indian Institute of Technology Kanpur. It is sponsored by Quality Improvement Programme, All India Council of Technical Education, New Delhi. This programme will be specifically useful for persons who are concerned with teaching, research and designing geo-structures in the area of soil dynamics.

Objectives

Earthquake Geotechnical Engineering is a branch of geotechnical engineering that deals with the behaviour of soils and rocks under seismic loading. This course will prepare the participants with the advanced knowledge developed recently in understanding the response of soil and rock subjected to various types of dynamic or cyclic time-dependent loading conditions. This advanced course material will be very useful for researchers, teachers, scientists and practitioners.

Venue

Short term course on “Recent Advancement in Earthquake Geotechnical Engineering” will be held at Indian Institute of Technology Kanpur.

Participants

This course is limited to 30 QIP candidates and 10 Industry participants. Hence, kindly adhere to the deadlines as mentioned.

Course Content

- > Overview of Single and Multi DOF System
- > Wave Propagation
- > Geophysical Survey
- > Dynamic properties of Soil
- > Design of Geotechnical Structures
- > Vibration Screening & Isolation
- > Liquefaction
- > Seismic Microzonation
- > Sysmic Hazard Analysis
- > Geotechnical Centrifuge modelling techniques

- ◆ Demonstration of various laboratory tests for estimating dynamic properties of soil.
- ◆ Hands-on exposure on commercially available software.

Faculty

Faculty will be mainly from the **Department of Civil Engineering, IIT Kanpur**. Following external speakers with expertise in related areas will also be delivering the lectures.

- > **Prof. T. G. Sitharam**, Professor, IISc Bangalore, India.
- > **Prof. Deepankar Choudhury**, Professor, IIT Bombay, India.
- > **Prof. B. K. Maheshwari**, Professor, IIT Roorkee, India.

Indian Institute of Technology Kanpur



Short term course on **Recent Advancement in Earthquake Geotechnical Engineering**

February 18 - 22, 2019

Name: _____

Position: _____

Department: _____

Institution/ _____

Organisation _____

Address: _____

Email: _____ TelNo.: _____

Educational details:

Degree	Year	University
_____	_____	_____
_____	_____	_____
_____	_____	_____

Area of Research Interest: _____

Accommodation required or not: _____

Payment details:

Candidates should send the DD in favor of “Continuing Education Programme, IIT Kanpur” only when they get the selection letter.

Demand draft no. _____ dated _____

Amount in Rs. _____ drawn at _____

Signature of Head of the Department/Organization _____ Signature of Applicant _____