ELIGIBILITY

Teachers, undergraduate, post-graduate and research students from engineering colleges having interest in pavement engineering can apply. Practicing engineers from construction and consultancy firms, government and public sector agencies, scientists/engineers from R&D establishments can also apply

ONLINE APPLICATION FOR THE WORKSHOP

Interested candidates may apply online using the following link https://erp.iitkgp.ac.in/CEP/courses.htm

You may login and register by going through the following sequence of steps.

Signup-> login-> profile fillup-> choose program-> Apply Now

(Search under self sponsored)

The short listed candidates (who will receive an email about short-listing) can pay the registration fee (non-refundable) online. Fee to be paid by different categories of applicants is as follows:

B.Tech/M.Tech/Ph.D/MS Students	: Rs.2,000/-
Teachers from Engineering Colleges	: Rs.8,000/-
Participants from Private & Government agencies	: Rs.15,000/-
(Limited participants)	

(Registration fee does not cover cost of travel, food and accommodation)

SPONSPORSHIP

Agencies interested in sponsoring the workshop can communicate their interest to the coordinator.

Type of sponsorship	Amount	Registration fee waiver for	Presentation duration
Gold	Rs.1,00,000 + GST	03 participants	15 minutes
Silver	Rs.60,000 + GST	02 participants	---
Bronze	Rs.30,000 + GST	01 participant	---

Sponsors will have the opportunity to display banners at designated places at the workshop venue.

IIT Kharagpur was established under Institute of Technology Act 1961 and is exempted from paying Income Tax under Section 10(23C)(iiiab) of Income Tax Act, 1961. As a consequent the Institute is exempted under section 194J of the Income Tax Act, 1961. Hence **No TDS (Tax Deduction at Source) should be made.**

COURSE COORDINATORS

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Short-Term Course

Design and Evaluation of Pavements (DEEP)

March 27-29, 2020

Course Coordinators

Dr. Kranthi Kumar Kuna
Prof. M. Amaranatha Reddy
Prof. K. Sudhakar Reddy

Department of Civil Engineering
Indian Institute of Technology
Kharagpur-721 302, West Bengal

ABOUT THE INSTITUTION

The Indian Institute of Technology Kharagpur, the first IIT to be setup in India and is one of the highest ranked technical institutes in India. The Civil Engineering Department was established in the year 1951 and is one of the oldest departments of IIT Kharagpur. The Transportation Engineering Section of Civil Engineering department has made significant contribution over the last four decades in the areas of Pavement Materials, Analysis, Design and Evaluation of different types of pavements.

The focus of the short term course is to discuss about the principles of pavement engineering with emphasis on analysis, design, evaluation and maintenance of different types of pavements to create interest in the student community through in-depth discussion of different critical aspects of pavement engineering. Besides the presentations to be made by different experts, the advanced facilities available with the Transportation engineering laboratory of IIT Kharagpur will be demonstrated to the participants. .

COURSE CONTENT

The following topics will be covered in the course.

Pavement Design

- Introduction & Principles of pavement design.
- Design of flexible pavements as per IRC:37-2018 “Guidelines for the Design of flexible pavements”.
- Design of rigid pavements as per IRC:58-2015 “Guidelines for the Design of Plain Jointed Rigid Pavements for Highways”.
- Hands on practice of pavement design software.

Pavement Evaluation and Maintenance

- Introduction & Principles of functional and structural evaluation of pavements.
- IRC: 115-2014 “Guidelines for structural Evaluation and Strengthening of existing Flexible Pavement using Falling Weight Deflectometer (FWD) Technique.”
- Structural evaluation of rigid pavement using FWD (IRC117:2015).
- Pavement Management Systems.

Pavement Materials

- Characterisation of modified and unmodified binders.
- Design of bituminous mixes.
- Selection of material inputs design of new pavements and evaluation of in-service pavements
- Design of hot and cold bituminous mixes.

Laboratory demonstration

- Demonstration of advanced pavement engineering laboratory facilities for characterization of binders and bituminous mixes and fatigue characteristics of bound materials including cement concrete.

FACULTY : Resource persons will be from IIT Kharagpur and other agencies.

PARTICIPATION CERTIFICATE : Registered participants will be given short term participation certificate.

ACCOMMODATION

Arrangement will be made to accommodate a limited number of participants in Visveswaraya Guesthouse (VGH), New Guesthouse (NGH), and other guest houses on IIT Kharagpur campus. The number of beds is limited to 50. The rooms will be allotted to the participants, mostly twin-sharing, on a first-come first-served basis and on a chargeable basis.

Applicants may send a request for accommodation (after payment of registration fee) indicating their choice of room from among the following.

Visveswaraya Guesthouse(VGH) per Day

- Dormitory (Non-Ac) : Rs.150/head
- Dormitory (AC) : Rs.250/head
- Twin sharing Non-A/C rooms : Rs.150/head

New Guest House (NGH) per Day

- Twin sharing room (AC) : Rs. 750/head

Accomodation chages to be paid directly to the Guest House on Arrival.

VENUE FOR LECTURES

Lectures will be held in the seminar room of the Civil engineering department, IIT Kharagpur.

CONTACT

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