

LIST OF TENTATIVE SPEAKERS

- Prof. K. S. Reddy, IIT Kharagpur.
- Prof. Mahabir Panda, NIT Rourkela.
- Prof. M Amarnath Reddy, IIT Kharagpur
- Prof. Rajan Choudhury, IIT Guwahati
- Prof. Jagat Jyoti Mandal, NITTTR Kolkata.
- Chief Executive officer, PMGSY West Bengal.
- Various persons having experience in the actual field road design and experts from industry would be invited to have a panel discussion session.
- Prof. Sudip Kumar Roy, Dean (Planning) and former Head of CE Dept, IEST Shibpur.

CONTACT DETAILS OF COORDINATORS

Dr. Anuj Kishor Budhkar

Assistant Professor, Civil Engineering Department, IEST Shibpur.

E-mail: akbudhkar@civil.iiests.ac.in,
anujbudhkar@gmail.com.

Contact No. +91-33-2668 4561 (ext: 661),
Mob: 9699893836.

Prof. Tapash Kr Roy

Associate Professor, Civil Engineering Department, IEST Shibpur.

E-mail: tapash@civil.iiests.ac.in

Contact No: +91-33-2668 4561 (ext: 667),
8240757216.

REGISTRATION DETAILS

- Interested people need to register using online mode only, (using registration link) before **15th January 2020**.
- **Registration will be on a first-come-first basis and a confirmation e-mail will be sent to shortlisted participants.**
- A limited number of seats are reserved for students.

Registration Link (online):

<https://forms.gle/Cr8cyfsmVw4USkzH7>

Note:

- No TA/DA or lodging will be provided to attend this course.
- There are **NO FEES** for this course.

COURSE CONTENTS

- Pavement design by IRC 37 2018, new pavement techniques
- RAP, overlay, low volume roads
- Demonstration of software for pavement and geometric design.
- Practical level problems in rural roads
- Geometric design considerations
- Soil stabilization, ground improvement
- Rural traffic management
- Alternative transportation in inaccessible regions



TEQIP- III sponsored

Five- day workshop
on

TRANSPORTATION IN RURAL AREAS

20-24 January 2020

Organized by:

Department of Civil Engineering,
Indian Institute of Engineering Science
and Technology Shibpur,
Howrah- 711 103, West Bengal.

Course co-ordinators:

Dr. Anuj Budhkar
and Prof. Tapash Kr. Roy,
Department of Civil Engineering,
IEST Shibpur, Howrah- 711 103.

OVERVIEW

Safer design of inter-urban and rural roads is very important in the aspect of providing connectivity and accessibility to the large rural network of India. A systematic study of modern means of roadbuilding and transportation techniques is essential for a holistic development of various inaccessible areas. The focus therefore remains a total highway design problem ranging from alignment profiling, geotechnical investigations, structural aspects of various cross drainages and channels, modern pavement design concepts and philosophy, pavement evaluation and material characterization and the safety aspects including street furniture, signs and symbols. Further, transportation in rural area need to be economical at the same time cost-effective, therefore, several alternative transportation techniques need to be studied. A safe pedestrian design at marketplaces is also essential.

AIM OF THE COURSE

The aim of this course is to disseminate the modern roadbuilding techniques in interstate roads, and focus on transportation in rural areas with weak traffic demand and inaccessibility issues. A comprehensive course content would cover all design aspects of an alignment, including geotechnical and structural aspects.

ABOUT THE INSTITUTE

Indian Institute of Engineering Science and Technology, Shibpur, an Institute of National Importance under MHRD, Govt of India, was established as Civil Engineering College Calcutta in 1856 with the idea of introducing engineering education in the country. This is the second oldest institution for engineering education in India. The institute has been formerly known as Bengal Engineering College, Shibpur. The Department of Civil Engineering is thus as old as the institute and has been striving to develop and maintain a glorious tradition of producing quality Civil Engineers for the country.

The institute is located in Howrah, the twin-city of Kolkata, on the west bank of the river Hooghly (the Ganges). It has a picturesque green campus and is adjacent to the Acharya Jagadish Chandra Bose Indian Botanic Garden. The campus is about 5 km from the Howrah railway station and 26 km from Netaji Subhash Chandra Bose International Airport, Kolkata.

WHO SHOULD ATTEND

This course is designed for all Engineers and Researchers associated with road-building. Emerging researchers including students, faculty members, practitioners, highway consultants, people associated with highway industry, public work department officials and associated engineers, along with others would be the beneficiaries of this course.

ORGANIZING COMMITTEE

Patron: Prof. Dr. Parthasarathi Chakrabarti, Director, IEST Shibpur.

Chairman: Prof. Anirban Gupta, Professor & Head, CE Department, IEST, Shibpur

Vice Chairman: Prof. Sudip Kumar Roy, Dean, Planning and Development, & Professor, CE Department, IEST, Shibpur.

Coordinators:

- Dr. Anuj Kishor Budhkar, Assistant Professor, CE Department, IEST Shibpur.
- Prof. Tapash Kumar Roy, Associate Professor, CE Department, IEST Shibpur.

Members:

- Prof. Sudip Kumar Roy, Dean, Planning and Development, & Professor, CE Department, IEST, Shibpur.
- Dr. Pritam Saha, Assistant Professor, CE Department, IEST Shibpur.
- Prof. Sandip Chakraborty, Assistant Professor, CE Department, IEST, Shibpur.

Advisor:

- Prof. Kalyan Kumar Bhar, TEQIP co-ordinator and Professor, CE Department, IEST Shibpur

COURSE SCHEDULE

- Jan 20- Inauguration,
- Jan 21-23: Sessions 9:30 am to 4:30 pm.
- Jan 24- Panel discussion and Valedictory session