

Three-Day Workshop

on

Mitigation of Road Disasters

September 15-17, 2014

Venue

Seminar Hall

National Institute of Technology Karnataka, Surathkal

Organised

By



Centre for Disaster Risk Reduction
and

Department of Civil Engineering
National Institute of Technology Karnataka Surathkal, Mangalore, 575025
INDIA
www.nitk.ac.in

Sponsored
by

Technical Education Quality Improvement Programme [TEQIP]

Phase - II

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Convener

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About the Workshop

This workshop intends to focus on the dangers arising due to the poor quality of roads, hazards arising due to the combined effects of monsoon and driving conditions, water logging on the roads, poor drainage conditions, risk involved in driving on the city roads during rains, difficulties faced by pedestrians in crossings, lack of pedestrians in crossings, design of Highways near/within cities, etc.

Resource Personal

1. **Dr. P. Vedagiri**, Department of Civil Engineering, IIT Bombay, Mumbai.
2. **Dr. Indrajit Ghosh**, Department of Civil Engineering, IIT Roorkee, Roorkee.
3. **Dr. R. Shivashankar**, Department of Civil Engineering, NITK, Surathkal.
4. **Dr. Suresha S. N.**, Department of Civil Engineering, NITK, Surathkal.
5. **Dr. A. Gowri**, Department of Civil Engineering, NITK, Surathkal.
6. **Dr. Pruthviraj U.**, Department of Applied Mechanics, NITK, Surathkal.

Tentative Agenda

Day -1: Monday, September 15, 2014

09:00	09:30	Registration
09:30	10:30	Inaugural Function
10:30	10:45	Tea Break
10:45	11:45	"Road Safety: Present Status in India and Causes and Countermeasures." by Dr. Indrajit Ghosh
11:45	12:45	"Identification of Hazardous Locations" by Dr. Indrajit Ghosh
12:45	14:00	Lunch Break
14:00	15:00	"Evaluation of Highway Safety Improvements" by Dr. Indrajit Ghosh
15:00	16:00	"Analysis of Accident Data" by Dr. P. Vedagiri
16:00	16:15	Tea Break
16:15	17:30	"Road Safety Principles and Practices" by Dr. P. Vedagiri

Day -2: Tuesday, September 16, 2014

09:30	11:30	"Simulation Based Proactive Traffic Safety Assessment" by Dr. P. Vedagiri
11:30	11:45	Tea Break
11:45	12:45	"Safety Issues Related to Road Geometric Designs" by Dr. Indrajit Ghosh
12:45	14:00	Lunch Break
14:00	15:00	"Road Disasters: Geotechnical Aspects" by Professor R. Shivashankar
15:00	17:30	Practical Training on "Road Safety Auditing at Intersections" Dr. Indrajit Ghosh and Coordinators

Day -3: Wednesday, September 17, 2014

09:30	10:30	"Sound Accident Database: Examples" by Dr. Indrajit Ghosh
10:30	11:30	Discussion on participants' report on "Road Safety Audit" Dr. Indrajit Ghosh
11:30	11:45	Tea Break
11:45	12:45	"Road Disaster - Role of Unmanned Aerial Vehicles" by Dr. Pruthviraj U.
12:45	14:00	Lunch Break
14:00	15:00	"Road Construction Zone Safety Issues" by Dr. Suresha S. N.
15:00	16:30	Practical Training on "Road Safety Auditing of Residential Road Networks" Coordinators
16:30	17:00	Valedictory followed by Tea

Committees

Patron

Prof. Swapan Bhattacharya, Director, NITK, Surathkal

Advisory Committee

Prof. Kandasamy	Dean (Faculty Welfare)
Prof. Sumam David	Dean (Academic)
Prof. M. C. Narasimhan	Dean (Planning & Development)
Prof. Udayakumar R.Y.	Dean (Students' Welfare)
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Prof. Prasad Krishna	Coordinator, TEQIP-II

Chairman

Prof. K. N. Lokesh, Head, Department of Civil Engineering

Convener

Professor S. Shrihari, Coordinator-Centre for Disaster Risk Reduction,

Coordinators

Dr. Suresha S. N. and Dr. A. Gowri, Assistant Professors, Department of Civil Engineering

About the NITK, Surathkal and the Department of Civil Engineering

The National Institute of Technology Karnataka (NITK) formerly known as Karnataka Regional Engineering College (KREC), is a public engineering institute at Surathkal, about 20-22 kilometres north of Mangalore. It was founded in 1960 as KREC while today, it is one of the 30 National Institutes of Technology in India and is recognised as an Institute of National Importance. The recent national surveys conducted by various agencies like GHRDC, DQ-CMR T-School Survey 2013-14, India Today, THE WEEK-Hansa ranks NITK in the top 15 Engineering Institutions in India.

The Department of Civil Engineering has its existence from the inception of KREC, Surathkal. The Department offers four-year under-graduate programme leading to B.Tech Degree in Civil Engineering. It also offers two-year post-graduate programmes leading to M.Tech Degrees in five different disciplines namely Structural Engineering, Geotechnical Engineering, Transportation Engineering, Environmental Engineering, and Construction Technology & Management. In addition, students are also enrolled to research programmes in Civil Engineering leading to Degree like M.Tech (Research) and Ph.D (Civil Engineering).

How to reach NITK, Surathkal Campus

NITK lies on the coastal belt of Karnataka, on the National Highway 66, at about 20 - 22 kilometres from Mangalore towards Udupi. It lies close to Mangalore International Airport, Mangalore Railway Station and the Mangalore Port. Bus Routes from Mumbai, Goa and Bangalore (that terminate at Udupi-Manipal) pass through the Institute and visitors can disembark right away. **Passengers alighting at Surathkal station** can engage auto rickshaws that will take them to the institute 2 kilometres from the Station. Further, One could also reach Surathkal Bus Stand and board regular service buses that ply via the Institute. **At Kankanady**, one has to take bus service to Mangalore City and thereby to take the Express buses towards Udupi/Manipal. **From Mangalore Railway Station**, all Express buses to Udupi/Manipal drop you at the Institute Express Bus Stop which is closer to the Administrative Block, Departments, Girls Hostel Block, and the Guest House.

Participation in the Workshop

- Faculty members from AICTE recognised Institutes/Civil Engineers working in Government and semi-government agencies/Practicing Civil Engineers/Research Scholars/Students are eligible to apply for the Workshop.
- The completed application form, forwarded through competent authority, should reach the Coordinators **on or before September 1, 2014**. [An advance copy of the application form may be emailed to the coordinators]
- The selected candidates will be intimated on **September 3, 2014**.
- Registration, workshop kit, working-lunch, tea and refreshments are FREE.**
- As per TEQIP norms, no TA/DA is admissible.
- Lodging facility for the selected outstation participants may be arranged, upon early request, at their own cost.

Workshop

on

Mitigation of Road Disasters

(September 15-17, 2014)

Organised by

Centre for Disaster Risk Reduction
and
Department of Civil Engineering
National Institute of Technology Karnataka
Surathkal, Mangalore, 575025

APPLICATION FORM

Name :
Designation :
Affiliation :
Address :

PIN :
Phone No. :
Mobile No. :
Email Id :
Accommodation Required : YES / NO

I declare that the information furnished above is correct to the best of my knowledge

Date:

Place:

Signature of Applicant

Certificate

This is to certify that Prof./Dr./Mr./Ms. _____ is an employee/research scholar/student of our institute/organisation and is hereby permitted to attend the three-day workshop on "Mitigation of Road Disasters" to be held at NITK, Surathkal, Mangalore - 575025 during September 15-17, 2014, if selected.

Date:

Place:

Signature of competent authority with official seal

Completed application form should reach the coordinators on or before September 1, 2014.