

ONE DAY WORKSHOP ON

Research Schemes in DST & Recent Advances in Civil & Transportation Engineering

01st AUGUST, 2015
(Under TEQIP Phase-II)



CONVENERS

Dr. R. K. Tripathi

Professor & HOD (Civil)

Dr. S. Bajpai

Professor & HOD (T&P)

CO-ORDINATORS

Prof. Sunny Deol. G

Dr. Laxmikant Yadu

ORGANIZED BY:

**Department of Civil Engineering
National Institute of Technology
Raipur (C.G.) - 492 010, INDIA.**

Objective:

The aim of the workshop is to provide a broad exposure to the students, research scholars and Faculty members about various research schemes available in Department of science & Technology (DST), New Delhi and to encourage them towards research activities. This workshop also provides technical KNOW-HOW and basic ideas about recent advancements in Transportation engineering aspects like Traffic Forecasting techniques, Signal Design and Transyt 8.0 software and Highway safety audit practices being adopted as per IRC and Asian Development Bank, Mechanistic –Empirical Design concepts of Pavement Design, use of Non-destructive Devices . This workshop also offers an opportunity for students, research scholars and faculty members who are interested in Civil & Transportation Engineering and who wish to pursue courses for industry, research and teaching to interact with expert members.

Theme:

This workshop is primarily emphasis on two broad aspects: scope of various research schemes in Department of science & Technology in the area of Civil Engineering and recent advancements in Transportation engineering relevant to the traffic engineering and Highway safety audit practices.

Course Outline:

The following topics will cover in this Workshop:

- Scope of various research schemes available in DST for Civil Engineering discipline and Entrepreneur development activities in Civil Engineering.
- Importance of Traffic Forecasting in Transportation Engineering.
- Techniques and Case studies of Traffic Forecasting
- State of Art tools being used in Transportation Engineering.
- Significance of Signal Optimization and Coordination.
- Transyt 8.0 software for Signal Optimization and Intersection Design.
- Mechanistic –Empirical Design concepts of Pavement Design, use of Non-destructive Devices.

About the Institute:

National Institute of Technology Raipur (Formerly Government Engineering College Raipur), situated in the capital of a newly incepted state of Chhattisgarh, has proven to be "avant-grade" in the field of science and technology over past few decades in this region. With sweet memory of foundation ceremony by our president Hon'ble Dr. Rajendra Prasad on 14th September 1956. the institute started with two departments namely Metallurgical and Mining Engineering. Later the inauguration of the Institute building was done by our Prime Minister Hon'ble Pt. Jawahar Lal Nehru on 14th March 1963. From 1st December 2005, the institute has become the National Institute of Technology. It is well connected with Mumbai, Delhi, Hyderabad, Kolkata, Bhopal, Ahmedabad, Bangalore, Chennai and Chandigarh by regular flights and is on the main Howrah-Mumbai railway route. The institute is 5 km from the Raipur railways station and 18 km from airport on NH-6, the Great Eastern Road.

About Department:

The Department of Civil Engineering at NIT Raipur (formerly, Government college of Engineering and Technology) is producing high quality technical manpower; required by various industrial establishments, R&D organizations, Govt. & public establishments and academic institutions since 1958. The Department offers B Tech degree in Civil Engineering and M Tech degree in Civil Engineering with specializations in Water Resources Development & Irrigation Engineering and Structural Engineering. The Department has been offering Ph.D. program in various specializations. The Department also encourages its students to engage in extra-curricular and co-curricular activities, essential for development, nurturing of team spirit, and developing organizational skills. The faculty members of the department are involved in research and consultancy activities, and they continue to enjoy academic leader role in the country. Govt. of India has recognized Civil Engineering Department as State Technical Agency for implementation of its ambitious projects of Pradhan Mantri Gram Sadak Yojana (PMGSY) & National Rural Drinking Water Programme (NRDWP).

Venue:

F-5, Department of Civil Engineering,
NIT Raipur (CG) – 492 010, INDIA

Address of Correspondence:

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Chief Patron

Prof (Dr). Sudarshan Tiwari

Director, NIT Raipur

Patron

Prof (Dr) S. Sanyal

*Dean (Research & Consultancy,
NIT Raipur*

Resource Persons

Dr. Usha Dixit, Scientist "D", NSTEDB, DST, New Delhi

Dr. Rakesh Kumar, Associate Professor, SVNIT Surat

Dr. V.S. Landge, VNIT Nagpur / **Prof. Sunny Deol. G.**, NIT Raipur

Organising Committee

Prof. A.V. Ahirwar, Asst. Professor, NIT Raipur

Dr S.V. Deo, Asst. Professor, NIT Raipur

Prof. Mani Kant Verma, Asst. Professor, NIT Raipur

Dr Govardhan, Asst. Professor, NIT Raipur

Dr Meena Murmu, Asst. Professor, NIT Raipur

Prof. Ansu Thomas, Asst. Professor, NIT Raipur

Dr Sandeep Chouksey, Asst. Professor, NIT Raipur

Advisory Committee

Dr. M.K. Verma, Professor, NIT Raipur

Dr. U.K. Dewangan, Professor, NIT Raipur

Dr. G.D. Ramtekkar, Professor, NIT Raipur

REGISTRATION FORM

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ON**

**Research Schemes in DST & Recent
Advances in Civil & Transportation
Engineering**

August 1st, 2014

Under TEQIP Phase-II

Organized by

**Department of Civil Engineering
NIT, Raipur**

Full Name (Block Letter):

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Name of College/Institution/Organization:

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Qualification:

Designation:

Address:

.....

Pin code:

Phone No.:

Mobile No.:

E-mail:

Do you need accommodation: (Yes/ No):

Place:

Date:

Signature of the participant
