SHORT TERM PROGRAMME ON RECENT TRENDS IN TRANSPORTATION ENGINEERING
July 11-16, 2016

NATIONAL INSTITUTE OF TECHNOLOGY TIRUCHIRAPPALLI

The National Institute of Technology (formerly known as Regional Engineering College) Tiruchirappalli, situated in the heart of Tamil Nadu on the banks of river Cauvery, was started as a joint and co-operative venture of the Government of India and the Government of Tamil Nadu in 1964 with a view to cater the needs of man-power in technology for the country. The institute offers Under graduate programmes in ten branches and Post graduate programmes in twenty five disciplines of Science, Engineering & Technology, Management and Architecture, besides M.S. (by Research) and Ph.D. in all the departments.

DEPARTMENT OF CIVIL ENGINEERING

The Department of Civil Engineering has been one of the oldest and finest departments of the Institute. Right from its inception in 1964, it has been involved in fulfilling its vision to shape infrastructure development with societal focus and thus accomplish its mission by providing professional Civil Engineers who will work for the society. The department offers an Undergraduate programme in Civil Engineering and four Postgraduate programmes in Transportation Engineering and Management, Structural Engineering, Environmental Engineering and Construction Technology and Management. The B.Tech. and M.Tech. (Transportation Engineering and Management) programme have been recently accredited by NBA for 5 years. The department also offers M.S. and Ph.D. (Full time & Part time) for aspiring researchers. The Department is a recognised QIP centre for both M. Tech. and Ph.D. The department also has the reputation of housing several R & D and consultancy projects.

How to reach NITT?
NIT-T is located on the Tiruchirappalli-Tanjore highway (NH-67) about 23 kms from Trichy Railway station. One can avail Bus No.128 or Tanjore bound buses from the Central Bus Stand (CBS) to reach NIT. Town buses are also available from Chatram city bus stand.

SPONSORSHIP CERTIFICATE

Certified that Dr./Mr./Ms. ……………………… is a faculty / employee / student of this institution and if selected, he / she will be permitted to attend the short term programme on Recent Trends in Transportation Engineering during July 11-16, 2016.

This is to certify that this institute is recognized by AICTE.

Place: Signature of Head of the Institution (Principal/Director)

(SEAL)

HOW TO APPLY

Application for the programme should be sent to the coordinator through post/e-mail as per the given format.

NOTE:

1. A copy of the DD drawn should be attached to the registration form. The details of the DD should be provided correctly in the registration form.
2. The number of participants is restricted to 40.
3. 100% attendance is compulsory.
4. The registration form should reach the address given below latest by 1st July 2016.
5. The list of selected candidates will be displayed in the Institute website (www.nitt.edu) and will also be informed through mail on 4th July 2016.

ADDRESS FOR CORRESPONDENCE

Dr. Samson Mathew
Professor, Dept. of Civil Engineering
National Institute of Technology
Tiruchirappalli
Tamil Nadu – 620 015
Email: sams@nitt.edu
Phone: 9443176759, 0431-2503160

Sponsored by TEQIP - II

Coordinators
Dr. SAMSON MATHEW
Dr. V. SUNITHA
Dr. NISHA RADHAKRISHNAN

Department of Civil Engineering
National Institute of Technology
Tiruchirappalli, Tamil Nadu - 620015
www.nitt.edu
A lot of technological innovations and advancements have taken place in the field of Transportation Engineering and accordingly changes have taken place in the curriculum of UG and PG courses. So, it is high time to update the knowledge of the faculty handling Transportation subjects at UG and PG level. The main purpose of the programme is to enlighten the teachers with resources and opportunities necessary to improve their skills in becoming more self-aware and confident in their roles.

**OBJECTIVE OF THE PROGRAMME**

The programme is intended for faculty handling Transportation Engineering subjects for UG and PG in AICTE approved Engineering Colleges/Polytechnics, Scientists/Engineers from R&D establishments, Research Scholars and Post Graduate students.

**PROGRAMME CONTENT**

- Road Sector Development- Role of Academia
- Geometric Design of Highway Facilities
- Geometric Design Consistency
- Road Safety- Design of Links
- Road Safety- Design of Junctions
- Pedestrian and Bicycle Facilities
- Transportation Facilities for SEZ
- Road Safety Audit
- Transportation Systems Management
- Developments in Transportation Planning
- Developments in Traffic Engineering
- Area Traffic Control
- Intelligent Transportation Systems
- Smart Cities
- Application of Geo-informatics
- Pavement Materials
- Bituminous Mixes
- Design of Flexible Pavements
- Design of Concrete Pavements
- MEPDG Applications to Design of Pavements
- Pavement Construction
- Pavement Evaluation
- Pavement Management System
- Ground Improvement Techniques
- Alternate Materials in Road Construction
- Planning of Metro Facilities
- Metro Construction
- Planning and Design of Green Field Airports
- Planning and Design of Large Ports

**RESOURCE PERSONS**

- Dr. Kuncheria, P. Issac, VC, APJ Abdul Kalam Technological University, Kerala
- Dr. A. Veeraragavan, Professor, IIT Madras
- Dr. S. Moses Santhakumar, Professor, NIT Trichy
- Dr. A. U. Ravisankar, Professor, NIT Surathkal
- Dr. M.V.L.R. Anjaneyalu, Professor, NIT Calicut
- Dr. J. Murali Krishnan, Professor, IIT Madras
- Dr. K. Gunasekaran, Assoc. Professor, CEG, Anna University, Guindy
- Dr. K. Muthukumaran, Assoc. Professor, NITT
- Dr. U. K. Guru Vittal, Chief Scientist and Head, Geotechnical Engg. Division, CSIR New Delhi
- Er. P. Jayakumar, GM, Light Metro DMRC
- Er. P. Ravi Kumar, Joint Director, C-DAC
- Er. M. P. Naidu, PD, Hyderabad Metro
- Er. Abdul Rahim, Consultant, Vizhinjam Port

**TARGET AUDIENCE**

The programme is intended for faculty handling Transportation Engineering subjects for UG and PG in AICTE approved Engineering Colleges/Polytechnics, Scientists/Engineers from R&D establishments, Research Scholars and Post Graduate students.

**REGISTRATION FEE**

Registration fee: Rs. 660/- per participant

The registration fee shall be paid by DD drawn in favour of The Director, NIT, Tiruchirappalli – 620015 payable at SBI, NIT Branch (Code - 1617) and can be submitted in person on the first day of the programme. Participants will be provided free boarding and lodging in the Institute Guest House/Hostels on sharing basis. The participants who do not avail this facility will not be entitled to any rebate.

**TEQIP II**

The growth in Technical Education in India has not translated into any significant growth in the number of quality graduates due to restricted availability of qualified faculty and better teaching-learning and training facilities. Technical Education Quality Improvement Programme (TEQIP) was initiated to systemically transform the country’s technical education system and make it globally competitive. TEQIP has been launched to function in three phases, with TEQIP II being the current phase.