

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.

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.

IMPORTANT DATES

Submission of application form through Post/Email:
15th December 2016

Intimation of Selected Candidates through Email:
16th December 2016

ADDRESS FOR CORRESPONDENCE

Dr. V. Sunitha / Dr. Nisha Radhakrishnan
Assistant Professor
Department of Civil Engineering
National Institute of Technology
Tiruchirappalli – 620 015, Tamilnadu, India
Phone: 0431-2503165, 2503162 (O)
09443302930, 09843260869 (M)
Fax: 0431-2500133
E-mail: sunitha@nitt.edu / nisha@nitt.edu

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.

CETransE

The Centre of Excellence in Transportation Engineering (CETransE) at NIT Tiruchirappalli was established in the year 2013 by the Department of Higher Education, Ministry of Human Resource Development, and Government of India under the scheme 'Establishment of 50 Centers of Excellence in frontier areas of Science and Technology'. It was established with a vision of creating sustainable transportation technologies and infrastructure for optimal national and societal impact through shaping professional Transportation Engineers, assisting National and State agencies, providing R&D for Industry and offering continuing education. It is carrying out focused research in the areas of Transportation Planning, Intelligent Transportation Systems and Pavement Engineering.



**Workshop
On**

Sustainability in Road Construction

December 17th, 2016



Coordinators

Dr. V. SUNITHA
Dr. NISHA RADHAKRISHNAN
Dr. SAMSON MATHEW
Dr. S. MOSES SANTHAKUMAR

Organized by

**Centre of Excellence in Transportation
Engineering
(CETransE)**

Department of Civil Engineering
National Institute of Technology
Tiruchirappalli - 620 015
Tamil Nadu, India
www.nitt.edu

INTRODUCTION

Sustainability is the ability to meet our needs without compromising the ability of next generations to meet theirs. Balancing the pillars of sustainability, namely environmental, economic, social and cultural influences, in road design and construction is not a straightforward task, and as such it is very difficult to quantify what is truly sustainable. Transportation authorities around the world are beginning to see the need to create more sustainable transport infrastructure and have begun developing manuals and sustainability rating systems that attempt to quantify sustainable design, practices and elements of transport infrastructure.

The essential benefits of introducing sustainability measures to road design and construction include:

- Reduced emissions and other air pollutants
- Reduced water usage
- Reduced energy consumption
- Reduced use of virgin material in construction and increased use of recycled materials
- Reduced construction and operational impact on the environment
- Creating low impact development
- Creating safer and more integrated roadways
- Promotion of sustainable transport
- Enhanced community awareness of sustainability
- Enhanced community involvement
- Promotion of innovative solutions

OBJECTIVES OF PROGRAMME

The purpose of this workshop is to provide an insight into the advent of latest technologies in sustainability in road construction.

COURSE CONTENT

- Sustainable road infrastructure
- Bituminous Mix Design
- Alternate design of Road Infrastructure
- New Materials/Techniques
- Recycling Techniques
- Premature failures - Lessons Learnt

RESOURCE PERSONS

Rajib B. Mallick is Professor of the Civil and Environmental Engineering at Worcester Polytechnic Institute (WPI) in Massachusetts, USA. His research interests are in sustainable development and resilient infrastructure, specifically related to the pavement (highway/rural roads/airport) industry.

A. Veeraragavan is Professor in the Department of Civil Engineering at the Indian Institute of Technology (IIT) Madras, India. His research interests are in the area of pavement maintenance and management, recycling of bituminous mixes for sustainable highway pavements, forensic investigation of pre-mature failure of pavements and use of modified binders for long lasting pavements.

TARGET AUDIENCE

The workshop is intended for Highway/Corporation/Municipality/Rural Road Engineers, Faculty, Research Scholars and Post Graduate students.

REGISTRATION FEE

No registration fee will be charged

Working lunch and refreshments will be provided during the workshop.

Workshop On Sustainability in Road Construction

December 17th, 2016

REGISTRATION FORM

1. Name:.....
2. a) Age:.....b) Gender: Male/Female
3. Qualifications:.....
4. Designation:.....
5. Organisation:.....
6. Address for Communication:
.....
.....
.....
7. Mobile:.....Land Line:.....
8. E-mail:.....
9. Area of Specialization.....
.....
10. Accommodation required? Yes/No

The information furnished above is true to the best of my knowledge. I agree to abide by the rules and regulations governing the programme. If selected, I shall attend the programme for the entire duration. I also undertake the responsibility to inform the Coordinator sufficiently in advance, in case I am unable to attend the programme.

Place:

Date:

Signature of the applicant