

About NIT Tiruchirappalli

The National Institute of Technology (formerly known as Regional Engineering College) Tiruchirappalli 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 catering to the needs of man-power in technology for the country. The college has been conferred with autonomy in financial and administrative matters to achieve rapid development. Because of this rich experience, this institution was granted Deemed University Status with the approval of the UGC / AICTE and Govt. of India in the year 2003 and renamed as National Institute of Technology, Tiruchirappalli. NIT-T was registered under Societies Registration Act XXVII of 1975.

Department of Civil Engineering

The Department of Civil Engineering has been one of the oldest and finest departments of the college. Established in 1964, it has been involved in making professional Civil engineers. The vision of this department is to shape infrastructure development with societal focus. The Department offers M.Tech. Programmes in Structural Engineering, Transportation Engineering and Management, Environmental Engineering and Construction Technology and Management. The department offers MS (by research) and Ph.D. (fulltime and part time) for aspiring researchers. The department is a recognized QIP centre for both M.Tech. and Ph.D. The department also has several R&D and consultancy projects by various government and private organizations.

How to reach NIT Tiruchirappalli?

NIT-T is located on the Trichy-Tanjore highway (NH-67) about 18 kms from the main city. One can avail Tanjore bounded buses from the Central Bus Stand (CBS) to reach NIT. The journey takes about 40 minutes from CBS to NIT, Tiruchirappalli.

Venue

Seminar Hall, Department of Civil Engineering, NIT, Tiruchirappalli.

Registration

Registration fee: Rs. 660/- per participant. Application for participation in the short term course shall be sent to the coordinator as given in the attached format along with the registration fee by DD drawn in favor of "The Director, NIT, Tiruchirappalli – 620 015" payable at SBI, NIT Branch (Code - 1617).

An advance copy of the registration form as given in the attached format should be sent to the coordinators through E-mail on or before 23rd August, 2016

Eligibility

This course will be of particular benefit to teachers from recognized Engineering colleges concerned with teaching of Civil / Environmental Engineering. Total number of participants is restricted to 40; the participant list will be finalized on first come first serve basis.

Accommodation

Accommodation for the participants may be arranged in the institute guest house / hostels. Normally it will be a twin shared accommodation.

Important Dates

Submission of application form
with Registration fee : August 23, 2016
Intimation of selection to
Candidates (Phone / Mail) : August 24, 2016

Address for Correspondence

Dr. S. T. Ramesh / Dr. R. Gandhimathi
Associate Professor / Assistant Professor
Department of Civil Engineering
National Institute of Technology
Tiruchirappalli – 620 015, Tamilnadu, India
Phone : 0431-2503171, 2503166
Fax : 0431-2500133,
E-mail: stramesh@nitt.edu, rgmathii@nitt.edu

SHORT TERM COURSE

ON

CHALLENGES, EMERGING TRENDS AND RECENT INITIATIVES IN ENVIRONMENTAL ENGINEERING

August 29 – September 3, 2016

Under

TEQIP – II

COURSE COORDINATORS

Dr. S. T. Ramesh
Dr. R. Gandhimathi



Department of Civil Engineering
National Institute of Technology
Tiruchirappalli - 620 015, Tamil Nadu.

Introduction

Emerging trends such as increasing natural and manmade disasters, deteriorating infrastructure, climate change and the need to enhance living standards of vast sections of the population, pose significant challenges to society. These challenges provide unique opportunities for Civil and Environmental Engineering profession to develop innovative solutions and technologies that can have significant impact on society. Environmental engineers are expected to possess the scientific and technical knowledge to identify, design, build and operate systems that protect and preserve the environment. The breadth and multidisciplinary nature of environmental issues that confront the world today demands environmental engineers expand their skills beyond the range normally associated with any single engineering field. Water is under increasing pressure from demographic and climatic changes. The fast growing economy, rapid industrialization and growing urban population along with increasing wastewater generation are reasons for concern and reiterate the need for appropriate water management practices. Treatment processes play a key role in delivering safe, reliable supplies of water to households, industry and agriculture and in safeguarding the quality of water. This course will provide the most recent innovations, trends and concerns as well as practical challenges encountered and solutions adopted in the fields of Environmental Engineering and Pollution Control.

Course Content

- Electro chemical treatment of water and wastewater
- Nano-bio approaches for water treatment
- Membrane technology in drinking and industrial water treatment
- Anammox process
- Constructed wetlands for wastewater treatment
- Advanced oxidation process
- Industrial effluents treatment and residuals management
- Bioremediation of contaminated systems
- Urban and indoor air quality management
- Environmental monitoring and modeling

Resource Persons

The course lectures will be delivered by eminent professionals from IIT and from other reputed organizations.

1. Dr. S. Mohan, Professor, IIT Madras, Chennai
2. Dr. Ligy Philip, Professor, IIT Madras, Chennai
3. Dr. S. Vasudevan, Principal Scientist, CECRI, Karaikudi.
4. Dr. Kurian Joseph, Professor, CES, Anna University, Chennai.
5. Dr. S. M. Shiva Nagendra, Associate Professor, IIT Madras, Chennai.
6. Dr. S. Mathava Kumar, Associate Professor, IIT Madras, Chennai.
7. Dr. P. Shanmugam, Senior Principal Scientist, CLRI, Chennai.
8. Dr. S. V. Srinivasan, Senior Scientist, CLRI, Chennai.
9. Dr. P. Rajasekar, Team Leader, Project Implementation Unit, Swachh Bharat Mission, Coimbatore.
10. Dr. A. Samuel Rajkumar, EE, TNPCB, Chennai
11. Dr. J. Hema, Associate Professor, PSG Tech., Coimbatore.
12. Dr. R. Selvakumar, Assistant Professor, PSGIAS, Coimbatore.
13. Dr. R. Meenatchi, Assistant Professor, IICPT, Thanjavur.
14. Dr. S. T. Ramesh, Associate Professor, NIT, Tiruchirappalli.
15. Dr. R. Gandhimathi, Assistant Professor, NIT, Tiruchirappalli.
16. Dr. S. Velmathi, Associate Professor, NIT, Tiruchirappalli.

Sponsorship Certificate

Certified that Dr./ Shri./Smt..... is being sponsored / forwarded hereby for attending the Short term course on “**Challenges, Emerging Trends and Recent Initiatives in Environmental Engineering**” to be conducted at NIT, Tiruchirappalli during **August 29 – September 3, 2016.**

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(Signature of Sponsoring / forwarding Authority with date and seal)

Short Term Course

On

Challenges, Emerging Trends and Recent Initiatives in Environmental Engineering

(August 29 – September 3, 2016)

Registration Form

Name:

Designation:

Educational Qualification:.....

Organization:.....

Mailing Address:.....

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E-Mail:.....

Accommodation: Required / Not Required

DD Details

Amount:

Name of the Bank:

DD Number & Date:

Date:.....

Signature of Applicant

(For Additional entries use photocopy of this Form)