



Engineering Staff College of India

An Autonomous Organ of The Institution of Engineers (India)
(ISO 9001:2015 Certified Institution)



Old Bombay Road, Gachi Bowli, Hyderabad – 500 032. India

CIVIL & TRANSPORTATION ENGINEERING

Continuing Professional Development Programme On

Intelligent Transportation System and Traffic Management

28 – 30 August, 2018



(An ISO 9001:2015 Certified, AICTE & CEA Recognized Institution)

Centre for Promotion of Professional Excellence

INTRODUCTION

The sustained economic growth in recent years in India has brought opportunities and challenges to the planning and management of the Indian transportation system. Though India has one of the largest road networks in the world, the available road infrastructure and public transport services in the metropolitan cities are highly inadequate for achieving faster movement of commuters in comparison with the situation prevalent in the cities of the developed world.

By 2025, approximately 60% of the global population and more than 4.6 billion people will live in Urban areas. In 2050, 80% of the world's population could live in major metropolitan areas. Technology and mobility are two concerns that will monopolize the conversation about how society can help provide a high-quality life to billions of people. Intelligent Transport System (ITS) is at the heart of us that keeps safe in our city's roads and tunnel systems.

For the safe and efficient movement of people and goods on roadways, Traffic Management uses Engineering and ITS techniques for the issues we all face with regards to transport and mobility which are too complex to be tackled alone.

It is in this context, ESCI is organizing a 5-day programme on "**Intelligent Transportation System and Traffic Management**" for the management of facilities for any mode of transportation for the safe, rapid, comfortable, convenient, economical, and environmentally compatible movement of people and goods.

OBJECTIVES:

- The objective of the programme is to familiarize and improve the skills of participants with the concepts of traffic and transportation, improving and management of traffic by utilizing existing infrastructure and for the provision of a safe system for highway traffic.
- To bring together engineers, researchers and practitioners interested in the advances and applications in the field of Intelligent Transport Systems.
- To understand how utilization of Intelligent transportation system maximizes the efficiency of an existing transportation system.

COURSE COVERAGE :

- Traffic Management concepts and Intelligent Transportation System
- Overview of Transportation Engineering
 - Traffic Volume measurement (by intrusive and non-intrusive method)
 - Speed control and traffic control and enforcement at signalized intersections
 - Smart parking system, smart street lighting system
- Urban transport Scenario and Planning
- Issues of Traffic management and Geometrical conditions
- Strategies for Improving existing Traffic - management
- Taxonomy of ITS
 - Vehicle /Infrastructure/User
 - Advanced Traveler Information Systems
 - Advanced Vehicle Control System, Commercial Vehicle Operations
 - Advanced Public Transport Systems, Advanced Rural Transportation Systems
- Components of ITS
 - Automated data acquisition, data communication to traffic management center
 - Analysis of data at the management centers, reliable information to public / traveler
- Applicability of VICS for Indian traffic
- Benefits and Applications of ITS
- Group Discussion, Case studies and Site visit

METHODOLOGY:

This programme will be conducted in an interactive environment providing ample scope for discussions. More emphasis will be given in the direction of providing practical solutions. Each of the participants will be given reading material during the training process.

TARGET PARTICIPANTS

The programme has been designed for officers of

1. Transport Departments/ Undertakings all over India
2. Traffic Police Departments
3. Engineers from R&B, PWD, NHAI & Municipal Corporations

This course is suitable to all the Engineers/ Consultants/ Practitioners/ Users working in the field of Traffic/Transportation and ITS from Government / Public and Private Sectors.

RESOURCE PERSONS

Renowned personalities both from industry as well as educational institutes / universities, who are experts in this field, will be involved in providing the training.

PROGRAMME VENUE & DATES &TIMINGS:

VENUE: Engineering Staff College of India (ESCI) Campus, Old Bombay Road, Gachi Bowli, Hyderabad 500 032, India.

DATES:

28 – 30 August, 2018

TIMINGS:

On the first day Registration will commence at 0900 hrs. On all other days, the programme timings will be from 0945 - 1715 hrs with breaks in between for tea and lunch.

COURSE DIRECTOR

Shri P. Murali Krishna

Faculty & Head I/C, CTE Division

COURSE ADVISER

Shri A.R.K. Murty

Adviser, CTE Division

COURSE COORDINATOR

Ch. Jyostna

Faculty, CTE Division

FEES

₹. 15,000/- (Residential fee) (Rupees Fifteen Thousand Only) per participant. Fee includes, course material, course kit and twin-sharing / single AC accommodation as per availability, breakfast, lunch, dinner, tea / coffee and snacks during the actual days of training programme.

Discounts

- ❖ **Non-Residential Fee-** 10% discount on course fee is allowed for non-residential participants.
- ❖ **Group Discount:** Additional 10% discount for three or more participants, if sponsored by the same organization.

GST 18% is to be paid extra over and above the training fee, as training is also brought under the purview of **Service Tax. PAN Card No AAATT3439Q; Service Tax registration No AAATT3439QST008 (under commercial training or coaching services – clause 65(105) (ZCC) of Finance act – 1994).**

GSTN Number – 36AATT3439Q1ZV (HSN Number – 999293)

Programme fee is to be paid in favour of “**IE (I) – Engineering Staff College of India**” in the form of demand draft payable at Hyderabad.

Alternatively the payment may be made by **Electronic Fund Transfer (EFT) to ESCI - SB A/c No. 10007111201 with The SBI, PBB, Rajbhavan Road Branch, Khairatabad, Hyderabad-500004 by NEFT/ RTGS/ IFSC Code No. SBIN 0004159 – MICR No.500002075**. While using EFT method of payment, please ensure to communicate us your company name, our invoice reference and programme title.

REGISTRATION:

Online registration shall be available on ESCI website.

To register, manually please send your nominations giving details of name, designation, contact address, email address, mobile no, telephone and fax number of the participant along with the details of mode of payment of fee.

Addressed To:

Head, Civil & Transportation Engineering Division

Engineering Staff College of India

Old Bombay Road, Gachi Bowli, Hyderabad - 500 032

Phone: Direct 040-6630 4114, 6630 4115, 66304138 / Fax: 040-23000336

Email : cte@escihyd.org

CERTIFICATE:

A certificate of participation will be awarded to each participant on conclusion of the programme.

GENERAL INSTRUCTIONS:

- ESCI encourages participants to present case studies from their respective organizations.
- For the convenience of outstation participants, ESCI will facilitate pick-up and drop from Airport / Railway Stations / Bus Stations, if travel plans are received at least 3 days in advance along with mobile number by fax or email. The charges shall be paid by the participant directly to the Cab.
- ESCI provides complimentary accommodation and boarding to the participants one day before commencement (Check-in 1200 h) and one day after conclusion (Check-out 1200 h) of the programme duration. Overstay charges will be applicable as per ESCI rules (subject to availability of accommodation)
- Well developed Information Centre and Internet facilities are available on free of cost to the participants.