



Engineering Staff College of India

An Autonomous Organ of The Institution of Engineers (India)

Old Bombay Road, Gachi Bowli, Hyderabad – 500032, India

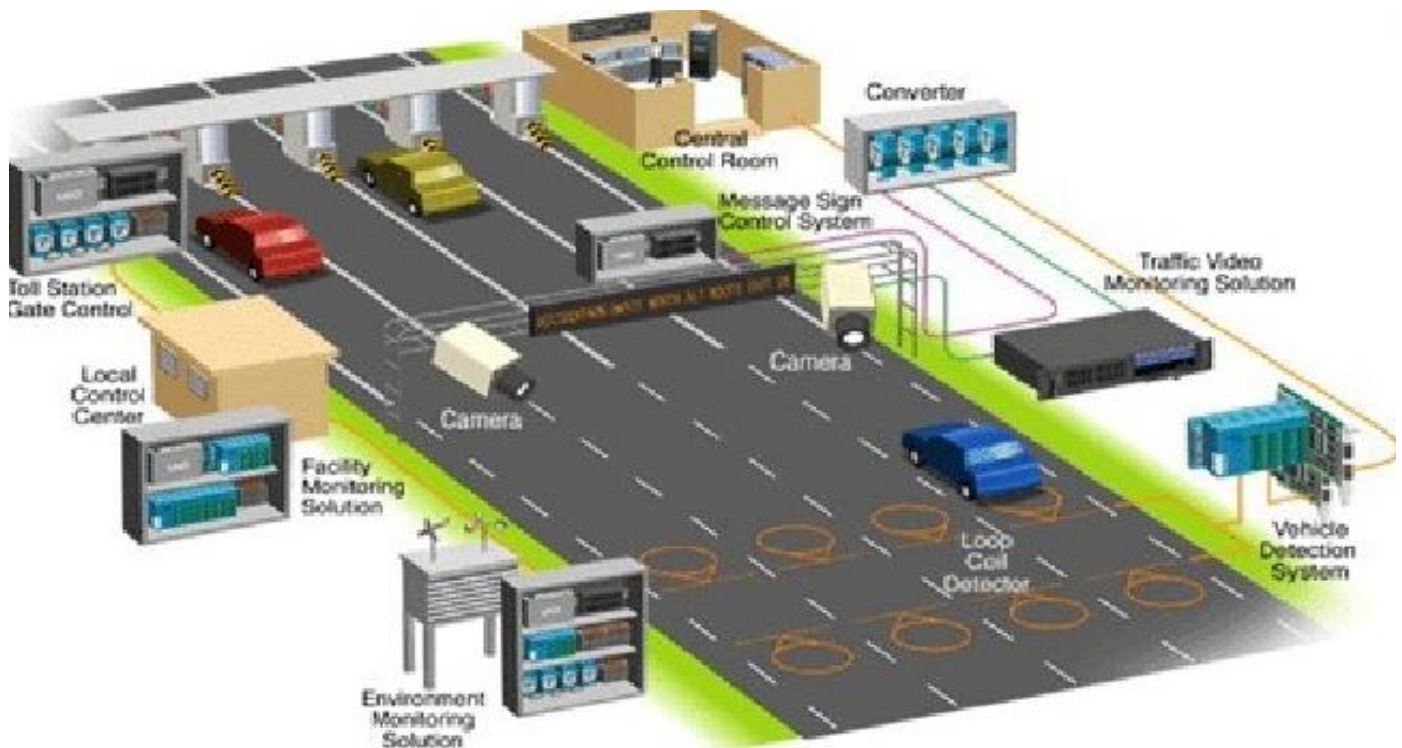


CIVIL & TRANSPORTATION ENGINEERING

CONTINUING PROFESSIONAL DEVELOPMENT PROGRAMME ON

Intelligent Transportation System

13 – 15 March, 2018



(An ISO 9001:2008 Certified, AICTE & CEA Recognized Institution)

Centre for Promotion of Professional Excellence

INTRODUCTION

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. ITS maximizes road network efficiency, capacity as well as monitor and manage traffic flow. A broad range of engineering disciplines, including city planning, highway engineering, transportation engineering, and traffic engineering are involved in the design of green, sustainable Intelligent Transportation System. Rather than replacing existing infrastructure, these systems are enhancement and improvements to our current transportation system and also providing Smart Mobility. These systems use embedded intelligence to connect vehicles to each other, to various urban infrastructures and to a central command and control center. The main aim of this programme is to provide information on the latest developments, Trends & Applications in the area of Intelligent Transportation System.

OBJECTIVES:

- To bring together engineers, researchers and practitioners interested in the advances and applications in the field of Intelligent Transport Systems.
- Understand how ITS maximizes the efficiency of an existing transportation system.
- Identify the various components of a Smart Mass Transit System.
- Explain how a smart transportation system contributes to the operation of a smart city.

COURSE COVERAGE:

- Overview of 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
- 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
- Road Safety and Transport Security

METHODOLOGY

The programme will be conducted in an interactive environment, providing ample scope for discussions. Emphasis will be on participatory style of learning. Methodology includes lectures by the invited speakers; presentation of case studies, sharing of experiences, group discussions etc., Each participant will be given reading material on all the topics covered during the training process.

TARGET PARTICIPANTS

This programme is planned especially for analysts, designers, construction and maintenance engineers, architects, builders and consultants. The course is suitable for all MV inspectors, Police Departments, Road Development Authorities, Municipal Corporations, R&B, Transport Department & Undertakings, to all engineers and architects working at middle and senior level working in government, public and private sectors as well as consultants, practitioners and builders.

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, Telangana, India.

DATES

13 – 15 March, 2018

Timings:

On the first day Registration will commence at 0900 hrs 13th March, 2018. 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. Muralikrishna
Faculty & Head, CTE Division

COURSE ADVISER

Shri A.R.K. Murty
Adviser, 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.

(All discounts are applicable only if fee is received at ESCI before the commencement of the programme)

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) (ZC) 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 500032
Phone: Direct 040-6630 4114, 66304115 / Fax : 040-23000336
Email :esci hyd.org/ Web site : esci hyd.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 to the participants.