Engineering Staff College of India

An Autonomous Organ of The Institution of Engineers (India)
Old Bombay Road, Gachi Bowli, Hyderabad-500 032
(IMS [ISO 9001:2015, ISO 14001:2015, ISO 50001:2018, ISO 45001:2018],
ISO/IEC 17025:2017 Certified, AICTE & CEA Recognized Institution)

CIVIL & TRANSPORTATION ENGINEERING DIVISION

Training and Development Programme On

Advanced Intelligent Transportation System Applications for Highways

22nd – 26th July, 2024

Venue : ESCI, Hyderabad

Centre for Promotion of Professional Excellence

INTRODUCTION:

Intelligent Transportation Systems (ITS) aim to provide services relating to different modes of transport and traffic management strategies in an integrated manner to provide traveler information to increase the safety and efficiency of the transportation systems. It improves driving experience, safety and capacity of road systems, reduces risks in transportation, relieves traffic congestion, improves transportation efficiency and reduces pollution.

Transportation planning helps in shaping a well-balanced transportation system that can meet future demands. Transportation planning is an iterative process which include problem identification, solution generation, analysis, evaluation and implementation. This can be integrated with ITS using computers, communication systems and software. As planning is normally made for long period, installing ITS facilities needs to be updated and one should ensure that the equipment's and technologies are compatible for future improvement and expansion.

This Training program deals with the importance of Intelligent Transportation System and its applications in Highways for Mobility Improvement and also deals with Application of Advanced Intelligent Transportation System Issues and Challenges under Indian traffic condition

OBJECTIVES:

- Participants will strengthen the skills in Intelligent Transportation System
- Understand the Intelligent Transportation System benefits and possibilities of innovations
- To impart knowledge on Traffic management using ITS
- Participants will understand the Artificial Intelligence (AI) implementation within the ITS
- To describe various Latest Techniques used in applications of ITS.

COURSE COVERAGE :

- Overview of Advanced Intelligent Transportation System Applications
- Concepts and Uses of Advanced Intelligent Transportation Systems (ITS) for highways
- Intelligent Transportation Systems (ITS) innovation strives in Highways
- Advanced traffic management System and Advanced traveler information systems
- Automatic vehicle location, fleet management system and Automatic vehicle detection system
- Application of Artificial Intelligence in control and Monitoring systems for Highways
- Electronic fare payment system using ITS
- Mobility Improvement like Travel Time Reduction, Automatic Routing & Re-routing etc through ITS for Highways
- Application of Advanced Intelligent Transportation System Issues and Challenges under Indian traffic condition
- Technical Filed visit
- Group Discussion & Case study presentations by participants

BENEFITS TO THE PARTICIPANTS:

- Participants will gain knowledge & skills in understanding the Intelligent Transportation System to improve work processes.
- Understand the importance of ITS in Mobility improvement.
- Artificial Intelligence in Traffic control and Monitoring Systems
- Understand Intelligent Transportation System sustainability

TARGET PARTICPANTS:

Officers and Engineers from Government departments like Transportation Departments, Roads and Buildings, PWD, Municipal Corporations, Border Roads organization, Public and Private sector, organizations involved in Traffic Engineering, Professionals and Consultants etc., working at junior level to senior level will all be benefited by attending this program.

RESOURCE PERSONS:

Renowned personalities both from Industry / Educational Institutions like IIT's/ NIT's / Research Institutes, Reputed 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.

DATES : **22nd to 26th July, 2024**

Registration   : 09:45hrs.
Session timings   : 09:45 – 17:15 hrs with 3 times breaks.

COURSE DIRECTOR:

Head

COURSE COORDINATOR:

Ch. Tilak – Faculty

COURSE FEES:

Rs.25,000/- (Rupees Twenty Five Thousand Only) + GST 18% per participant. Fee includes, Soft copy of course material, course kit and Twin Sharing AC accommodation, 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) (ZZC) of Finance act – 1994). GSTN Number – 36AAATT3439Q1ZV (HSN Number – 999293)**

Programme fee is to be paid in favor 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:

Please send your nominations

> **To**
> **The Head**
> **Civil & Transportation Engineering Division**
> Engineering Staff College of India
> Old Bombay Road, Gachi Bowli, Hyderabad - 500 032
> Phone: 040-6630 4114, 66304134, 66304115, 66304107
> Email : **cte@escihyd.org**

CERTIFICATE:

A certificate of participation will be awarded to each participant.

GENERAL INSTRUCTIONS

- ➢ ESCI encourages participants to present case studies from their respective organizations.
- ➢ ESCI provides complimentary accommodation and boarding to the participants one day before commencement (Check-in 1200hrs) and one day after conclusion (Check-out 1100hrs) of the program duration. Overstay charges will be applicable as per ESCI rules (subject to availability of accommodation).