



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

Impact of Digging on Urban Roads and Its Management

22nd – 26th September, 2025

Venue : ESCI, Hyderabad



Centre for Promotion of Professional Excellence

INTRODUCTION:

The development of urban road infrastructure systems is an integral part of modern city expansion processes. The maintenance planning within the urban road infrastructure management is a complex problem from both the management and techno economic aspects.

In order to get a surface devoid of wires and pipelines, trenching is regularly performed in urban areas- in fact, it is done all year long. Numerous government and non-government initiatives that need trenching are now underway in urban areas. In order to ensure that the city runs efficiently, they are mostly done to establish sewage lines, water pipes, gas lines, and underground telecommunication networks. For any of the above-mentioned reasons, the majority of city roadways are dug. Even many diggings were done several times. The functional condition of the roadways has gotten worse as a result of repeated trenching. The stability of the soil's inner layer is destroyed by frequent trenching. This training program will deals with the reasons and impact of digging on urban roads and its management and also failures of restoration of digging.

OBJECTIVES:

- To familiarize participants with Impact of Digging on urban roads
- To impart knowledge on Reasons for Digging on Urban Roads
- To Know about operation of the Urban Roads and surrounding Road Networks during Trenching operations
- To describe various Latest Techniques & Equipment's used for Digging on Urban roads

COURSE COVERAGE :

- Overview of Impact of Digging on urban roads and its Management
- Reasons for Digging on Urban Roads
- Impact on the operation of the Urban Roads and surrounding Road Networks during Trenching operations
- Failures of Restoration of Trenches and its Impact on Urban Roads
- Latest Techniques & Equipment's used for Digging on Urban roads & Pavement restoration
- Urban Road Maintenance Management
- Issues in Implementations of Road Maintenance while underground excavation and surface traffic safety and assessment method
- Application of AI in Urban road Management during construction
- Technical Filed visit
- Group discussions, Presentation of Case Studies by Participants

BENEFITS TO THE PARTICIPANTS:

- Participants will know the Failures of Restoration of Trenches and its Impact on Urban Roads
- Participants will understand Urban Road Maintenance Management
- Participants will know the Issues in Implementations of Road Maintenance
- Participants will understand Reasons for Digging on Urban Roads
- Case studies are discussed during the training period

TARGET PARTICIPANTS:

This course is suitable to all engineers and officers working at junior level to senior level from Government departments like R&B, PWD, MES, Municipal Corporations, Panchayat Raj, Housing Boards, GHMC, RITES, and Border Roads Development & Defense. Engineers from all State and Central Government Departments, & construction Companies.

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 – 26th September, 2025**

Registration : 09:45hrs.

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

COURSE DIRECTOR:

Dr. R Venkat Reddy, Ph.D (Osmania), FIE
Head

COURSE COORDINATOR:

Ch. Tilak – Faculty

COURSE FEES:

Rs.27,500/- (Rupees Twenty Seven Thousand Five hundred 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
Mobile : **9490011311 / 9492011311**
Phone: 040-6630 4114, 4115, 4107, 4134
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).