



# Engineering Staff College of India

An Autonomous Organ of The Institution of Engineers (India)

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



## CIVIL & TRANSPORTATION ENGINEERING

CONTINUING PROFESSIONAL DEVELOPMENT PROGRAMME ON

# Bridge Diagnostics, Evaluation and Rehabilitation

22 – 25 January, 2018



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

Centre for Promotion of Professional Excellence

## **INTRODUCTION:**

In India, the ageing period of bridges is about 30 to 40 years. The reason behind the premature aging is may be due to the high traffic loads that the bridges are subjected to, atmospheric conditions and neglected maintenance of bridges. Perhaps Bridges are constantly subjected to the destructive effect like material aging, increasing traffic volume, and overloading. These factors boost the effect of any design or construction defect and accidental damage, and promote further structural deterioration. Bridge Diagnostics and Monitoring are crucial for safe structural condition assessment and performance evaluation. Efficiency of bridge evaluation can be improved by using the modern developments in bridge diagnostics, structural tests, material tests, structural analysis and probabilistic methods. Also there is a need for great use of NDT methods as repair methods depending upon structural type, loading patterns, location of bridge and other parameters. Realizing the necessity, ESCI is organizing a **4-day** training programme on **Bridge Diagnostics, Evaluation and Rehabilitation from 22 – 25 January, 2018.**

## **OBJECTIVES:**

- To monitor the performance of bridges
- To perceive the methods of NDT relating to bridges
- To be well versed with repair and rehabilitation and maintenance of bridges

## **COURSE COVERAGE:**

- Inspection / Performance monitoring and Serviceability of Bridges
- Statistical Bridge Signature
- NDT of Bridges
- Inventory Rating & Operating Rating of Bridges
- Bridge Maintenance Management System
- Repair and Rehabilitation of Bridges

## **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 on all the topics covered during the training process.

## **TARGET PARTICIPANTS:**

This programme is planned especially for all Engineers, Planners involved in Construction activities, Construction Companies, Urban Development Authorities, Irrigation, Public Health, Housing Boards, Police Housing Corporations, Municipal Corporations, Public Works Departments / R & B , Panchayat Raj and Public and Private Sector organizations and consultants.

## **RESOURCE PERSONS:**

Renowned personalities both from construction 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 (T.S) India

### **Dates:**

22 – 25 January, 2018.

### **Timings:**

On the first day Registration will commence at 0900 hrs 22<sup>nd</sup> January, 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**

₹ **20,000/- (Rupees Twenty Thousand Only) (Residential fee)** per participant + GST @ 18%. 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 as applicable @ 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 / 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 to the participants.