



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

Good Maintenance Practices for Durability of Structures

20 – 23 November, 2018



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

Centre for Promotion of Professional Excellence

INTRODUCTION

Durability of any structure increases with good maintenance practices from the day one of its completion. Good maintenance practices leads a building to successfully complete its designed life. During the recent past, much importance is not being given for the maintenance of structures, resulting in distress of structures prematurely. Any structure is bound to show signs of distress in the form of cracks or deflections at some stage of the life. If the structure shows the signs of distress before its design life, it can be made to perform well with appropriate repair / rehabilitation / retrofitting process. In seismic active regions, the structures are subjected to both static and dynamic loads and hence, special care needs to be taken while performing the analysis, as well as repairing and maintenance processes.

Prevention, diagnosis and rectification of structural defects – sometimes leading to collapses, is a legal and moral responsibility of all those concerned with conceiving, planning, design and construction of building projects. Lack of durability of RCC structures is another agonizing concern especially in coastal areas. RCC buildings designed to last for a century needing “Rehabilitation works” within 30 years of construction is a matter of grave concern.

It is essential for everyone involved in the construction industry to understand the intricacies involved in repair / rehabilitation / retrofitting and maintenance of the structures for understanding the problem in a better manner and also to know the latest trends in managing these issues. This programme on “**Good Maintenance Practices for Durability of Structures**”, ESCI aims to address the issues involved in good maintenance practices for the durability of structures..

OBJECTIVE

The objective of this programme is to familiarize and improve the skills of the participants with the concepts of evaluation techniques, implementation of good maintenance practices of structures including Diagnosis and Preventive Actions.

COURSE COVERAGE:

- Concepts of Good Maintenance Practices of Structures
- Damage Assessment
 - Evaluation of Structural & Non-Structural repairs
- Destructive and Non destructive methods to assess the durability of structures
- Maintenance of flexible and rigid pavements
- Use of appropriate materials in Repairing and maintenance of structures
- Structural Failures due to improper / neglected maintenance.
- Leakage arresting & leak proof methods in building maintenance.
- Case studies and Group Discussions will be included in the programme

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 to all engineers and architects working at middle and junior level working in government, public and private sectors as well as consultants, practitioners and builders.

BENEFIT TO THE PARTICIPANTS

Participants will

1. Gain know how for preparing maintenance plans for buildings and structural elements of buildings.
2. Understand the importance of preventive maintenance
3. Learn how the structural defects can be diagnosed and repaired.

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 500032, India.

Dates:

20 – 23 November, 2018

Timings:

On the first day Registration will commence at 0900hrs 20th November, 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

Rs. 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.

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 – 36AAATT3439Q1ZV (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
Programme Officer : **9866771815**
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 **on payment basis** 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) please feel free to contact programme officer **040-66304115, 9866771815**.
- Well developed Information Centre and Internet facilities are available to the participants.