



**Engineering Staff College of India**  
An Autonomous Organ of The Institution of Engineers (India)  
Old Bombay Road, Gachi Bowli, Hyderabad-500 032  
(An ISO 9001:2015 ISO 14001:2015, ISO 45001:2018, ISO 50001:2018 &  
ISO/IEC 17025:2017 Certified Institution)



**CIVIL & TRANSPORTATION ENGINEERING DIVISION**

**Training and Development Programme On**  
**Advanced Construction Materials in Concrete**  
**Technology and its applications**

**22<sup>nd</sup> – 26<sup>th</sup> April, 2024**



**Centre for Promotion of Professional Excellence**

## **INTRODUCTION:**

Advanced Construction Materials in Concrete Technology and its applications in Concrete Industry will acquaint with newly developed concrete materials. Developments in the field of Concrete technology have been phenomenal in the last decade. There have been number of notable advancements made in concrete technology. Concrete is used throughout the world for a wide range of applications. To enhance the properties of concrete, recent advances in material science present new materials or admixtures to be added to or replace conventional concrete materials. Such materials could be used in new concrete construction and/or in repairing new or existing structures.

The participants will know the necessary information about the different advanced concrete materials, what tests should be performed and how to interpret their results, what to look for in specifications, and define the advantage and disadvantages for each new material.

## **OBJECTIVES:**

- To describe with design methods and differentiates between codes and standard
- To Explain the new materials in the concrete industry
- To Understand advanced methods of construction and Special Concrete.
- To understand latest testing methods and standardization in civil engineering

## **COURSE COVERAGE :**

- Overview on Advanced Construction Materials in Concrete Technology and its applications in Concrete Industry
- supplementary cementitious material and its Importance in designing high strength concrete
- Characteristics , Benefits & Applications of High Performance Concrete(HPC)
- Latest Testing methods and standardization in civil engineering
- Green Buildings & Green Building materials - Sustainable Development and Emerging Technologies
- Use of Recycled Materials in Concrete technology
- Enhancing Concrete Structural durability with advanced construction Material.
- Technical visit

## **BENEFITS TO THE PARTICIPANTS:**

- Participants will learn to; Increase knowledge of up to date of advance material in concrete for many different purposes.
- Improving the skills of the Participants to use the Optimizing the design of concrete by employing the advanced material
- Improving skills on using Recycled Materials in Concrete technology
- Increase the skill in Concrete Structural durability with advanced construction Material.

## **TARGET PARTICIPANTS:**

Officers and Engineers from Government departments like Roads and Buildings, PWD, Municipal Corporations, Panchayat Raj, Housing Boards, Border Roads organization, Public and Private sector like RITES, Construction companies, organizations involved in Construction activities, 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 : 22<sup>nd</sup> – 26<sup>th</sup> April, 2024**

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) (ZC) 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](mailto: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).