

# TRAINING CONSTRUCTION ENGINEERS FOR VIKSIT BHARAT



## ISOI MODULE 2: EFFECTIVE MANAGEMENT OF CONCRETE MIX DESIGNS

### WHO SHOULD ATTEND

Engineers handling concrete mix design approvals and decisions

Concrete Quality Management Professionals

Construction professionals with 5+ years of experience in concrete execution or supervision

## CONCRETE MIX DESIGN - FROM TECHNICAL CONFUSION TO PRACTICAL CLARITY

Concrete today is no longer a simple four-ingredient mix—it has evolved into a sophisticated composite involving ten or more components, each selected and proportioned to meet specific performance and project requirements. Modern construction projects often require multiple mix variations, even within the same grade of concrete, to address diverse structural and environmental demands.

This workshop is designed for professionals who may or may not specialize in concrete mix design but are responsible for making critical decisions that influence cost, quality, and compliance. Participants will gain comprehensive insights into the technical principles, commercial considerations, and administrative processes essential for managing concrete mix designs with confidence and precision.

### COURSE CONTENTS

- Why manage the concrete mix design process
- Fundamentals of mix design
- Material selection and its impact on concrete properties
- IS 10262-based mix design process
- Technical, administrative & commercial challenges
- Interactive quiz and Q&A session

### PROGRAM HIGHLIGHTS

#### ONE DAY PROGRAM

PROGRAM FEE:  
₹ 5,000\*

#### VENUE

**ISOI INCUBATION CENTRE**  
A 402, The Great Eastern Chambers, CBD Belapur  
Navi Mumbai - 400614

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\* Fee is per participant. Taxes as Applicable.



**Mr. Shashank Vaidya**  
Director,  
GEM Engserv Pvt Ltd.,  
Training Professionals for  
over 3 Decades

A respected and **senior construction industry expert** with close to **four decades of experience** in leading organizations such as Indian Railways, Indian Railway Institute of Civil Engineering, Konkan Railway, HCC, HIRCO and Gem Engserv.

He has **trained over 10,000 engineers** in concrete technology through his programmes and has exposure to all aspects of concrete construction, including mix design, supervision, specifications, quality management and troubleshooting. He has conducted numerous audits of construction projects involving concrete works, helping improve performance, and has been engaged as an expert to diagnose problems in both new and old concrete structures.

Mr. Vaidya is a **Gold Medallist in M. Tech. (Structures) from IIT Madras** and recipient of the **2019 Lifetime Achievement Award from the Indian Concrete Institute**. A certified lead auditor of ISO 9001, he also holds memberships in several professional bodies including Indian Concrete Institute, Indian Institute of Bridge Engineers, Institution of Engineers, Indian Roads Congress and ACI (India Chapter).