



ISO 9001:2015

National Academy of Construction

EXECUTIVE DEVELOPMENT PROGRAM

PRECAST & PREFABRICATED STRUCTURES

(Planning, Design, Construction & Maintenance)

12 – 15 Dec. 2022

OVERVIEW

The Construction industry is divided into two categories: Real estate and Infrastructure. Residential, office, retail, hotels, and leisure parks are all included in the Real Estate segment. Highways, Ports, Water supply & sanitation, urban transportation are all sub-segments of Infrastructure.

India's real estate industry is expected to be worth USD 1 trillion, contributing 13% of the country's GDP. By 2025, India's construction industry is expected to be worth USD 1.4 trillion. The urban population will contribute 75% of GDP (up from 63%), and 68 cities will have population of over 1 million, up from 42 in 2021.

India's urban population grew at a rapid speed, resulting in a scarcity of land, housing, congested transportation, and basic facilities. Precast construction, with proper planning and execution, can meet the needs of the housing market. Precast construction accounts for only 2% of the Indian construction industry's USD 500 million market. Precast systems are mostly used in India for infrastructure projects such as bridges and flyovers. To meet housing demands, the Government of India has approved the use of precast concrete construction technologies. Industry has to adopt advanced construction technologies to speed up the project delivery to meet the growing demand from the Society.

The State Governments are also adopting the Precast Technology in various housing projects. Private Corporate for real estate Industry are gradually switching over to Precast Construction to speed up delivery of their real estate projects. Hence, it is essential that the professionals involved in Precast Construction should have required knowledge in it.

In order to develop capacity of working engineers in this segment NAC is announcing a training program on “Precast Structures - Planning, Design and Construction” from 28-30 November 2022.

CURRICULUM

- Precast Concrete Building Systems
 - Materials for Precast Elements
 - Procurement for Precast Construction
 - Production of Precast Elements
 - Site Erection and Quality Control in Precast Products
 - Contractual Aspects of Precast Projects
 - Seismic Design Aspects of Precast Concrete Structures
 - Precast Concrete Beams, Precast Concrete Columns and Shear Walls
 - Precast Horizontal Floor Diaphragms,
 - Joints and Connections in Precast Buildings
- Case Studies – Classroom Buildings, Hospitals and Warehouses



OUTCOMES

1. To know the procedure of Precast Construction.
2. To understand the design aspects of the structural precast elements.
3. To familiarize with joining techniques used for Precast members

SUITABILITY

This course is designed for construction professionals who are currently or will potentially have leadership responsibility for ensuring construction of new emerging Technologies. This includes existing or potential construction managers, project managers, site managers and supervisors, QA/QC Personnel, Field Engineers, architects, Engineering Faculties (academic) and Sr. Civil engineering students

METHODOLOGY

The course is designed to provide a comprehensive learning package using formal lectures, case studies, field visits etc.

FACULTY

Experts from both Industry and Premier Educational Institutions/Universities in the relevant field will be involved in providing training.

PROGRAMME VENUE, DATES & TIMINGS

Venue: NAC Campus, Hitex Grounds, Hyderabad – 500084.

Dates: 12 -15 Dec , 2022 (4 Days)

Timings: On the first day, registration will commence at 09:30 hrs. On all other days, the program timings will be from 10:00 – 17:00hrs with breaks in between for tea and lunch.

COURSE DIRECTOR

Mr. D.Sheshadri
Director, EDP Trainings
Mob. 9866114616

COURSE COORDINATOR

Mr.K Muralidhar
Sr.Faculty, PG Courses
Mobile: 9290021976

COURSE FEE

Non-Residential: Rs.14,000/- inclusive of GST per participant. Fee includes course material, kit, dinner, lunch, tea / coffee, and snacks.

CERTIFICATE

A certificate of participation will be awarded to each participant on conclusion of the program.



MODE OF PAYMENT

Program fee is to be paid in favour of “Director General, National Academy of Construction (NAC), Hyderabad” in the form of demand draft / cheque payable at Hyderabad. Alternatively, the payment may be made by cash / Electronic Fund Transfer (EFT) to DG NATIONAL ACADEMY OF CONSTRUCTION-HYDERABAD-SB A/c No. 62422229281 with SBI, MADHAPUR-500081, IFSC Code SBIN0021162, GST No. 36AAAAN0794MIZ8. While using EFT method of payment, please ensure to communicate us your company name, our invoice reference and program title.

REGISTRATION

To register please send your nominations giving details of name, designation, contact address, email address, mobiles no of the participant along with the details on mode of payment of fee.

Addressed to:

The Director, EDP Trainings
National Academy of Construction
NAC Grounds, Cyberabad, Hyderabad-500084,
Direct Phones: (040) 23110839 Fax: (040)
23111997 Contact Mobile: 9866114616
Email: sheshadri@nac.edu.in / corporatequality@nac.edu.in
Website: [www.https://www.nac.edu.in](https://www.nac.edu.in)

