Ministry of Housing and Urban Affairs
Government of India

प्रधान मंत्री आवास योजना–शहरी
Pradhan Mantri Awas Yojana-Urban

GLOBAL HOUSING TECHNOLOGY CHALLENGE INDIA

School of Planning and Architecture, New Delhi

Building Materials & Technology Promotion Council, New Delhi

Registrations open for 2nd Batch of

नवरीतिः (NAVARITIH)

Certificate Course on Innovative Construction Technologies

NAVARITIH : New, Affordable, Validated, Research Innovation Technologies for Indian Housing

An initiative of Ministry of Housing & Urban Affairs, Govt. of India in collaboration with SPA, New Delhi & BMTPC

The objectives of the Course are to (1) **Familiarise** the professionals with the latest materials and technologies being used worldwide for housing, (2) **Provide an awareness** of the state of art of materials and technologies in terms of properties, specifications, performance, design and construction methodologies so that professionals can successfully employ these in their day to day practice, and (3) **Provide exposure** to executed projects where such materials and technologies have been implemented.

LAUNCHED BY

Hon'ble Prime Minister during laying of Foundation Stones of Light House Projects at six locations on January 1, 2021

COURSE FEE

Rs.2,500 per person
(One-time, Non-refundable)

REGISTRATION

Registrations open at

www.spa.ac.in and https://ict.bmtpc.org

Interested applicants may also write to drpsnrao@hotmail.com / ghtc-mhua@gov.in / ska@bmtpc.org for applying to Course.

Target Group

Any person who has successfully completed and in possession of a minimum qualification of B.E. / B.Tech (Civil) or B.Arch. (or equivalent) or Diploma in Civil with 5 years' experience shall be eligible to take up the Course. Self-Attested photocopy of Degree/ Diploma certificate (or equivalent) to be submitted with application.

Classes & Venue

The duration of the Course will be 7 days.

Classes will be held in the evening from 5.30 pm to 8.30 pm on weekdays. However, there shall be two classes on Saturday and Sunday from 2.00 pm to 5.00 pm and 5.30 pm to 8.30 pm.

In view of prevailing global pandemic scenario, the Course will be conducted on virtual platform through online classes.

On successful completion of the course, a Certificate will be awarded to the participant.

The Course on Innovative Construction Technologies has been launched as one of the activities under "Construction Technology Year (2019-20)" which was announced by the Hon'ble Prime Minister during Construction Technology India 2019: Expo-cum-Conference under Global Housing Technology Challenge – India on 2nd March, 2019 at New Delhi.

It will be offered jointly by the School of Planning & Architecture, New Delhi and Building Materials & Technology Promotion Council (BMTPC), Ministry of Housing & Urban Affairs.

SALIENT FEATURES OF THE COURSE

- It is first of its kind course and the curriculum will cover alternate & innovative materials and construction technologies.
- Applicants can register by filling up Application Form available on www.spa.ac.in or https://ict.bmtpc.org. After successful registration, the applicants can download the reading material online.
- Admissions will be on a 'first come first serve' basis. Applicants who are not admitted in the current batch will be considered for the next batch.
- The teaching pedagogy shall comprise of lectures, presentations, discussions and Q&A sessions. In view of prevailing global pandemic scenario, the Course will be conducted on a virtual platform through online classes.
- At the end of the course, there will be online examination based on Multiple Choice Questions (MCQ).
- On successful completion of the course, a certificate will be awarded to the applicant.
- Field visits will be conducted for hands-on exposure to innovative technologies (Optional).

Course Contents*

DAY 1 : Friday (1730 hrs. – 2030 hrs.)
- Emerging Construction Systems – Introduction, opportunities, challenges
- Emerging Construction Technologies promoted through PACS/BMTPC/CPWD/GHTC-India/ MoHUA

DAY 2 : Saturday (1400 hrs. – 1700 hrs.)
- Formwork Systems – Introduction, Concepts and its features, design philosophy
- Formwork Systems – Construction methodology, implementation and case studies

DAY 2 : Saturday (1730 hrs. – 2030 hrs.)
- Stay-In-Place Formwork Systems – Introduction, Concepts and its features
- Stay-In-Place Formwork Systems – Construction methodology, implementation and case studies

DAY 3 : Sunday (1400 hrs. – 1700 hrs.)
- Precast Sandwich Panel Systems – Introduction, Concepts, construction methodology, implementation and case studies
- GFRG Panel Systems – Introduction, Concepts, construction methodology, implementation and case studies

DAY 3 : Sunday (1730 hrs. – 2030 hrs.)
- Steel Structural Systems – Introduction, Concepts and its features
- Steel Structural Systems – Construction methodology, implementation and case studies

DAY 4 : Monday (Off Day)

DAY 5 : Tuesday (1730 hrs. – 2030 hrs.)
- Light Gauge Steel Frame Systems – Introduction, Concepts and its features
- Light Gauge Steel Frame Systems – Construction methodology, implementation and case studies

DAY 6 : Wednesday (1730 hrs. – 2030 hrs.)
- 3D Precast Volumetric System – Introduction, Concepts and its features
- 3D Precast Volumetric System – Construction methodology, implementation and case studies

DAY 7 : Thursday (1730 hrs. – 2030 hrs.)
- Precast Concrete Construction Systems – An introduction of the Handbook published by the Indian Concrete Institute
- Precast Concrete Buildings - Structural systems used in implemented projects

Examination : The Multiple Choice Questions (MCQ) based examination will be held online. This may be taken at any time at any day within 45 days after conclusion of the Course i.e. Day 7.

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* In view of prevailing global pandemic scenario, the Course will be conducted on virtual platform through online classes and the time table for the online classes will be shared with participants after successful registration.

For further information, please contact:

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