

**AICTE QIP
Short-Term Course**

On

Advanced Concrete Technology

Nov 18 – Nov 23, 2019

Coordinator

Dr. Piyush Chaunsali

Sponsored by

**All India Council for Technical
Education**



Organized by

**Department of Civil Engineering,
IIT Madras, Chennai – 600036**

Theme of the Course

India is currently experiencing a rapid infrastructure growth of its housing and industrial sectors. Therefore, state-of-the-art knowledge of common building materials becomes quite essential. This course is designed to disseminate the knowledge on recent advances in science and technology of concrete.

Objectives and Scope

This course is designed to help engineering college teachers understand how various properties of today's advanced concrete can be obtained by appropriate material selection, mix design, and construction practices. In particular, this course is designed for the young college teachers who are teaching a B. Tech. course in concrete technology.

Course Content

- Portland cement chemistry
- Alternative cementitious materials
- Mineral and chemical admixtures
- Special concretes
- Fresh and hardened properties of concrete
- Deterioration mechanisms/durability issues
- Durability-based design of concrete

Instructors

Dr. Piyush Chaunsali, IIT Madras
Dr. Radhakrishna G. Pillai, IIT Madras
Dr. Ravindra Gettu, IIT Madras
Dr. Manu Santhanam, IIT Madras
Dr. K. Ramamurthy, IIT Madras

Course Material

The course material will be provided to each registered participant.

Course Duration & Venue

This course will run for six days during **Nov 18 – 23, 2019**. The lectures will be held at the **Visvesvaraya Seminar Hall, Department of Civil Engineering, IIT Madras, Chennai**.

Important Dates

Last date of application: **22-10-2019**
Intimation of selection: **25-10-2019**
Confirmation of participation: **31-10-2019**

Contact Details

Dr. Piyush Chaunsali
BTCM Division, Dept. of Civil Engg.
IIT Madras, Chennai – 600036
Phone: +91 44 2257 4256
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Eligibility

The course is open to faculty with a background in Civil Engineering from AICTE approved engineering colleges. **No course fee** is charged for the participants sponsored by AICTE approved institutions. However, Rs 500/- caution-money must be sent by the provisionally selected participants, which will be returned once the participant joins the course. All payments are to be made by demand draft drawn on any nationalized bank in favour of **CCE, IIT Madras payable at Chennai**.

Financial Assistance

Only 30 participants (*first-come-first serve* basis) from AICTE recognized engineering institutions will be eligible for to and fro railway fare via shortest route in 3-Tier AC class, and free lodging and boarding at IIT Madras Guest House during the course period.

Boarding and Lodging

Boarding and lodging facilities will be provided for the selected candidates from AICTE approved institutions in the Taramani Guest House at IIT Madras. Accommodation will be on twin sharing basis.

Application Form

Please fill the application form using the following link:

<https://forms.gle/gX22MNLXq3atZVnm7>

Also, available on the website:

<https://sites.google.com/view/piyushchaunsali/news>

Sponsorship

Please email a copy of signed sponsorship form (below) to: pchaunsali@iitm.ac.in

Prof./Dr./Mr./Ms./Mrs./_____ is an employee of our institute and his/her application is hereby sponsored. The applicant will be permitted to attend the short-term course on “Advanced Concrete Technology” at IIT Madras during Nov 18 – 23, 2019, if selected.

Date:

Signature of Sponsoring Authority

Designation:

Official Seal:

Selection

As the seats are limited, the participants will be notified through email. Selected participants should send the demand draft/cheque of Rs. 500 (caution money) to the following address:

Dr. Piyush Chaunsali
Building Science Block # 218
Dept. of Civil Engineering,
IIT Madras, Chennai 600036
Phone: +91 44 2257 4256

