

A Professional Development Program

RCC Design Using Spreadsheet Applications

(Hands-on Training Program)

1st December 2018

Organized by



Supporting Partners



Engineering Council of India



Construction Industry Development Council

Venue

CETTM, MTNL, Technology Street
Hiranandani Gardens Powai, Mumbai 400076
(Hostel accommodation is available)

Registration/ Information:

Dhargalkar Technoesis (I) Pvt. Ltd.

Tel: (022) 28461500, 28461317, 9819732195

E: technoesis@gmail.com W: www.technoesis.co.in

Objective

A structural engineer is deeply concerned that his structural design must be safe, serviceable and economical as well. Even in this age of end-to-end structural analysis and design packages, he desires better insight and control on his design so that the package does not become a "Black Box". Sometimes he needs to redesign some members to incorporate latest revisions or to suit site specific needs or for better economy. On the other hand, while approving a design, an approving authority or reviewer may wish to check a design by independent means.

This program will provide hands on training to design various structural members using readymade MS-Excel applications developed by Technoesis. The applications are user friendly, interactive and produce elegantly formatted outputs which can be directly submitted to clients or approving authorities.

The design applications can be used not just for designing structures or reviewing existing designs but also for incorporating later revisions or finding the capacity of structural members for given design parameters.

Program Content

The Program will cover the following design applications which are based on IS 456:2000:

1. Analysis of Continuous Beams
2. Analysis of Substitute Frames
3. Design of Rectangular Beams
4. Design of Flanged Beams (T Beam & L Beam)
5. Design of Two-Way Slab Panels with Provision for Torsion at Corners
6. Design of Simply Supported Two-Way Slabs
7. Design of Rectangular Columns Under Uniaxial and Biaxial Bending including slenderness effects
8. Design of Sloped and Flat Footings

These design applications shall be provided to all participants free of cost.

Pedagogy

Following aspects of the design applications shall be illustrated through hands on training sessions:

- User interface and functionality
- Numerical examples & interactive trials
- Intermediate design values & final results
- Printing design calculations for submission
- Calculating design capacity
- Using Help Sheets

Benefits

- Hands on training and interactive presentations
- Numerical examples covering different sets of data & multiple trials
- Well formatted outputs which can be directly submitted for approval
- Applications can be used for new design or checking existing design or structural capacity
- Each participant will get a single user license for the design applications
- A CPD Program of 6 Credit Hours

Who Should Attend

- Practicing civil/ structural engineers and consultants
- Civil/ structural engineers from private sector
- Civil engineers from government, municipal and statutory authorities
- Faculty and students from civil engineering colleges
- All professionals involved in structural design/ checking

Certification

Certificates of completion of 6 CPD Hours will be awarded to participants. This Program is approved and supported by ECI & CIDC and will help Professional Engineers fulfill their requirement of CPD Hours.

Faculty

The Program will be conducted by Umesh Dhargalkar, a Consulting Structural Engineer and a Senior Professional Engineer with 30 years of experience in the areas of Structural Design, Structural Rehabilitation and Construction Project Management. He is member/ fellow of several professional bodies and has published 18 technical papers in national and international conferences and journals. He has organized and conducted several professional training programs for civil/ structural engineers and construction professionals.

Participation Fees

Participation fees covering a license for design applications, training, lunch, refreshments & GST shall be as under:

- Up to 24th Nov 2018 ... Rs. 5,900/-
- From 25th Nov 2018 ... Rs. 7,080/-

Special discounts are as follows (*any one*):

- Past Participants of Our Programs ... 10%
- PEs registered with ECI ... 10%
- Students/ Faculty ... 20%

Group Discounts are as under:

- Group of 3 or 4 ... 10%
- Group of 5 or more ... 15%

Being a hands-on Program, seats are limited. Registration shall be on 'first come first served' basis.

Fees may be paid by cheque/ bank draft drawn in favour of "Dhargalkar Technoosis (I) Pvt. Ltd." payable at par at Mumbai **OR** by direct bank transfer to A/c No. 803249320, Indian Bank, Kandivali (E), Mumbai 400101, Bank IFSC Code IDIB000K161.

In the event of cancellation of the Program, Organizers' liability shall be limited to refund of participation fees only.

Schedule

The Program will be non residential and will be conducted on 1st December 2018 (Saturday).

Timing: 9:30 AM to 5:30 PM

Registration & breakfast shall start at 8:45 AM.

Organizers

Dhargalkar Technoosis (I) Pvt. Ltd. is an organization providing consulting services and professional training in Construction Industry. Technoosis has imparted over 30000 man hours of professional training to more than 1500 participants from across India. Technoosis programs are designed and conducted by experts with high professional background & are supported by professional bodies.

For a list of our ECI approved CPD Programs to be conducted in 2018-19, visit www.technoosis.co.in

Supporting Partners

Engineering Council of India (ECI) is an Apex body of engineers, formed by 8 Government Bodies and 32 Professional Organizations/ Institutions of Engineers. ECI has formed a National Register of Professional Engineers & encourages Continuous Professional Development.

Construction Industry Development Council (CIDC) is an Apex body formed by the Planning Commission, Government of India and the Indian construction industry. One of its goals is training of manpower at all skill levels of Construction Industry.

Registration/ Information

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D-104, Radha Govind, Near Siddharth Nagar
Off W.E. Highway, Borivali (E), Mumbai 400 066

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Registration Form

Please register me/us for the CPD Program "**RCC Design using Spreadsheet Applications**" to be held at Mumbai on 1st December 2018

Name*: _____

**As it should be printed on your Certificate*

Address: _____

Tel: _____ Mobile: _____

Email: _____

Registration:

Past Participant / ECI PE / Student / Faculty / Other

Amount: Rs. _____ by Chq/ DD/ Bank Transfer

Payment by Cheque/ Draft:

Chq/ DD No. _____ Dated _____

Bank _____

Payment by Bank Transfer:

Transaction No: _____ Dt: _____

Bank: _____

I agree that, in the event of cancellation of the Program, Organizers' liability shall be limited to refund of participation fees only.

Signature

Date