

# ***TECHNOESIS***

## ***Professional Training***

# ***Professional Development & Industry Readiness Programs***



***DHARGALKAR TECHNOESIS (I) PVT. LTD.***

**Civil -Structural • Project Management • Repair-Redevelopment • Training**

D-104, Radha Govind, Near Siddharth Nagar, Off W.E. Highway

Borivali (E), Mumbai 400 066, India

Phones: 91 (22) 2846 1500, 2846 1317, 2846 3012

E-mail: [mail@technoesis.co.in](mailto:mail@technoesis.co.in) • Website: [www.technoesis.co.in](http://www.technoesis.co.in)

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## **COMPANY PROFILE**

|                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|----------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Name:</b>                           | <b>DHARGALKAR TECHNOESIS (I) PVT. LTD.</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Status:</b>                         | Private Limited Company incorporated in 1997<br>Registered Service Enterprise (MSME), Govt. of India                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>MD &amp; CEO:</b>                   | Umesh Dhargalkar, B.Tech. (Civil), M.Tech. (Struct.) IIT-Bombay                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Office:</b>                         | D-104, Radha Govind, Near Siddharth Nagar, Off W.E. Highway<br>Borivali (E), Mumbai 400 066, India<br>Phones: 91 (22) 28461500, 28461317, 28463012<br>Email: <a href="mailto:mail@technoesis.co.in">mail@technoesis.co.in</a> Website: <a href="http://www.technoesis.co.in">www.technoesis.co.in</a>                                                                                                                                                                                                                                                                                              |
| <b>Consulting:<br/>Services</b>        | <ol style="list-style-type: none"><li>1. Project Management - Redevelopment &amp; Construction</li><li>2. Structural Audit, Rehabilitation &amp; Retrofitting of Buildings</li><li>3. Structural Design of Buildings, Transmission Lines &amp; Special Foundations</li><li>4. Professional Training in Construction Industry</li><li>5. Commercial Mediation (Alternate Dispute Resolution)</li></ol>                                                                                                                                                                                              |
| <b>Accreditation:</b>                  | <ol style="list-style-type: none"><li>1. Accredited by CDC, DSIR, Ministry of Science &amp; Technology, Govt of India</li><li>2. Accredited Mediator, Indian Institute of Arbitration &amp; Mediation (Director)</li></ol>                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Empanelment:<br/>&amp; Licenses</b> | <ol style="list-style-type: none"><li>1. Structural Engineer's License, Municipal Corp. of Greater Mumbai</li><li>2. Surveyor License, Municipal Corporation of Greater Mumbai</li><li>3. Empanelled as Mediator &amp; Arbitrator with Indian Institute of Arbitration &amp; Mediation (Director)</li><li>4. Empanelled as a Mediator/ Conciliator with Ministry of Corporate Affairs, Government of India (Director)</li></ol>                                                                                                                                                                    |
| <b>Associates:</b>                     | Architects: S.B. Associates<br>Structural: Pedanekar & Associates<br>Legal: Krishna Tanna & Associates<br>Testing: Aaryan Engineers                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Major Clients:</b>                  | MCGM, MMRDA, MSEB, Jyoti Structures Ltd., Videsh Sanchar Nigam Ltd.<br>University of Mumbai, Leela Scottish Lace Ltd., Army Welfare Housing<br>Organization, Indian Railways Welfare Organization, Indian Oil Corporation,<br>Konkan Railway Corporation Ltd., MHADA, Kamat Hotels (I) Ltd., Hotel Leela<br>Kempinski, Aga Khan Education Service, Kvaerner Powergas, Bank of India,<br>Aga Khan Planning & Building Service, India, National Housing Bank, Somaiya<br>Polytechnic, Wacker Chemie India Pte Ltd, LIC, ACG Associated Capsules Pvt.<br>Ltd., private developers & housing societies |
| <b>Overseas:<br/>Projects</b>          | National Electric Power Authority of Nigeria, Dept of Electrical Services, Brunei<br>Ministry of Elect & Water, Dubai & Research Project for Purdue University-USA.                                                                                                                                                                                                                                                                                                                                                                                                                                |

**CV OF UMESH DHARGALKAR**

|                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|----------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Name:</b>                           | <b>UMESH DHARGALKAR</b><br><i>Managing Director, Dhargalkar Technoesis (I) Pvt. Ltd.</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Educational:</b>                    | B. Tech. (Civil), IIT Bombay, May 1982                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Qualifications</b>                  | M. Tech. (Structures), IIT Bombay, Jan 1985                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Fields of Practice:</b>             | Civil-Structural Engineering, Construction Project Management<br>Structural Rehabilitation, Professional Training and Commercial Mediation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Accreditation &amp; Empanelment</b> | <ol style="list-style-type: none"><li>1. Senior Professional Engineer, Engineering Council of India &amp; CIDC</li><li>2. Accreditation from Consultancy Development Center, DSIR, Ministry of Science &amp; Technology, Govt of India (For the Company)</li><li>3. Accredited Arbitrator &amp; Mediator, Indian Inst. of Arbitration &amp; Mediation</li><li>4. Empanelled as a Mediator/Conciliator with MCA, Government of India</li><li>5. Empanelled as a Neutral, Indian Institute of Arbitration &amp; Mediation</li><li>6. Accredited Mediator &amp; Arbitrator, Mediation &amp; Conciliation Network</li><li>7. Fellow of Indian Institution of Technical Arbitrators</li></ol> |
| <b>Prof Licenses:</b>                  | <ol style="list-style-type: none"><li>1. Structural Engineer's License, Municipal Corp. of Greater Mumbai</li><li>2. Surveyor License, Municipal Corporation of Greater Mumbai</li></ol>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Memberships:</b>                    | <ol style="list-style-type: none"><li>1. Advisory Trustee of the Indian Society of Structural Engineers</li><li>2. Fellow of the Institution of Engineers (I): Chartered Engineer</li><li>3. Life Member of the American Concrete Institute</li><li>4. Life Member of the Indian Concrete Institute</li><li>5. Life Member of the Association of Consulting Civil Engineers</li><li>6. Life Member of Indian Association for Structural Engineering</li><li>7. Member of Practicing Engr, Arch &amp; Town Planners Association</li><li>8. Life Member of Indian Geotechnical Society, Mumbai Chapter</li></ol>                                                                           |
| <b>Awards:</b>                         | Received CIDC Vishwakarma Award 2017 as an "Innovator" in March 2017 from Construction Industry Development Council                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Publications:</b>                   | He is a co-author of a Manual of Practice " <i>Professional Services by Structural Design Consultants</i> " published by the Indian Society of Structural Engineers.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

**Technical Papers Published:****A] Construction Project Management**

| <b>Title of Paper</b>                                                   | <b>Name of Journal / Conference</b>                                                                    | <b>Date of Publication</b> |
|-------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|----------------------------|
| 1. A Management Information System for Monitoring Construction Projects | Proceedings of 6 <sup>th</sup> National Conference on Construction, CIDC, New Delhi                    | Nov 2003                   |
| 2. A Model for Evaluation of Item-Rate Bids                             | Proceedings of 6 <sup>th</sup> National Conference on Construction, CIDC, New Delhi                    | Nov 2003                   |
| 3. Essentials of Redevelopment of Infrastructure – An Indian Scenario   | International Conference on “Recent Advances in Civil and Environmental Engg, Walchand College, Sangli | Mar 2017                   |

**B] Structural Design & Detailing**

| <b>Title of Paper</b>                                                       | <b>Name of Journal / Conference</b>                   | <b>Date of Publication</b> |
|-----------------------------------------------------------------------------|-------------------------------------------------------|----------------------------|
| 1. Guidelines for a Structural Engineer for Practicing as Design Consultant | The Indian Concrete Journal                           | Jan 2002                   |
| 2. Quick Calculations of Steel for Singly Reinforced Section                | Journal of the Indian Society of Structural Engineers | Jan-Mar 2002               |
| 3. Generalized Approach for Designing RC Beams                              | The Indian Concrete Journal                           | Dec 2002                   |
| 4. Ready Formulae for Calculating stress in Steel                           | Journal of the Indian Society of Structural Engineers | Jul-Sep 2002               |
| 5. Effects of Distribution of Rebars on Design of Columns                   | Journal of the Indian Society of Structural Engineers | Apr-Jun 2003               |
| 6. Design of Simply Supported One-Way Slab loaded by Strip Load along Span  | The Indian Concrete Journal                           | Feb 2004                   |
| 7. Post Tensioned Slabs                                                     | Journal of the Indian Society of Structural Engineers | Oct-Dec 2004               |
| 8. Understanding Quenched & Tempered Rebars                                 | Journal of the Indian Society of Structural Engineers | Oct-Dec 2006               |
| 9. Structural Design Using Quenched & Tempered Rebars                       | Journal of the Indian Society of Structural Engineers | Jan-Mar 2007               |
| 10. Corrosion of Reinforcement                                              | Journal of the Indian Society of Structural Engineers | Oct-Dec 2007               |

**C] Structural Assessment & Rehabilitation**

| <b>Title of Paper</b>                                                  | <b>Name of Journal / Conference</b>                                                                    | <b>Date of Publication</b> |
|------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|----------------------------|
| 1. Regulating Alterations within Apartments in a Co-op Housing Society | The Indian Concrete Journal                                                                            | Aug 2003                   |
| 2. Seismic Assessment of Buildings: A Suggested Methodology            | The Indian Concrete Journal                                                                            | Aug 2002, Special Issue    |
| 3. Structural Rating of RC Buildings using Qualitative Parameters      | Proceedings of the 12 <sup>th</sup> Symposium on Earthquake Engineering, IIT-Roorkee                   | Dec 2002                   |
| 4. A Structural Distress Scenario for the City of Mumbai               | Proceedings of the National Seminar on "Repair and Rehabilitation of Structures", ACI-IC, Mumbai       | Jan 2004                   |
| 5. Seismic Rating of Buildings using Qualitative Parameters            | Proceedings of the International Conference on "Managing Seismic Risk in Developing Countries", Bhopal | Mar 2004                   |
| 6. A Web-Based Model for Rapid Seismic Assessment of Buildings         | Proceedings of the 19th Indian Engineering Congress, The Institution of Engineers (I), Mumbai          | Dec 2004                   |

**Seminars/ Workshops:** He has conducted/ given talks at the following seminars/ workshops:

| <b>Seminar / Workshop Topic</b>                                 | <b>Date</b> | <b>Venue</b> | <b>Remarks</b>                                    |
|-----------------------------------------------------------------|-------------|--------------|---------------------------------------------------|
| 1. Seismic Design and Detailing of RCC Framed Structures        | Feb 2002    | Mumbai       | For Indian Society of Structural Engineers        |
| 2. Software Tools for Structural Design of Buildings            | Feb 2003    | Mumbai       | For Indian Society of Structural Engineers        |
| 3. Seismic Aspects for Design of Buildings                      | Oct 2003    | Bhiwandi     | For Municipal Corporations of Mumbai and Bhiwandi |
| 4. Structural Audit: Methodology, Guidelines and Related Issues | Nov 2003    | Mumbai       | For Indian Society of Structural Engineers        |
| 5. Structural Audit/ Assessment                                 | Nov 2003    | Mumbai       | For Indian Society of Structural Engineers        |
| 6. Structural Audit/ Assessment                                 | Apr 2004    | Pune         | For Indian Society of Structural Engineers        |
| 7. Post Tensioned Slabs                                         | Oct 2004    | Mumbai       | For Indian Society of Structural Engineers        |
| 8. Structural Audit/ Assessment                                 | Dec 2004    | Mumbai       | At K.J. Somaiya Polytechnic                       |
| 9. Rapid Seismic Assessment of Buildings                        | Jun 2005    | Dubai        | For Aga Khan Planning & Building Service          |
| 10. Structural Detailing In RCC Buildings                       | May 2007    | Mumbai       | For Indian Society of Structural Engineers        |

| <b>Seminar / Workshop Topic</b>                                                  | <b>Date</b> | <b>Venue</b> | <b>Remarks</b>                                   |
|----------------------------------------------------------------------------------|-------------|--------------|--------------------------------------------------|
| 11. Seismic Isolation and Column shortening of High-rise                         | Sep 2008    | Mumbai       | For Indian Society of Structural Engineers       |
| 12. Structural Audit/ Assessment                                                 | Sep 2008    | Pune         | For Indian Society of Structural Engineers       |
| 13. Structural Audit/ Assessment                                                 | Apr 2009    | Pune         | At Sinhgad College of Engineering                |
| 14. Structural Detailing Using Software                                          | Jun 2009    | Mumbai       | For Indian Society of Structural Engineers       |
| 15. Structural Design of Multistoried RCC Buildings                              | Jul 2009    | Mumbai       | With Sardar Patel College of Engineering         |
| 16. Design of Steel Structures Using IS 800: 2007                                | Nov 2009    | Mumbai       | With Sardar Patel College of Engineering         |
| 17. Effective Property Management in the 21st Century                            | Dec 2009    | Mumbai       | At K.J. Somaiya Institute of Management Studies  |
| 18. Planning & Designing Earthquake Resistant Buildings                          | Feb 2010    | Mumbai       | With IES College of Architecture                 |
| 19. Structural Audit & Rehabilitation of Buildings                               | Mar 2010    | Mumbai       | At VJTI                                          |
| 20. Structural Audit/ Assessment                                                 | Feb 2011    | Pune         | At Sinhgad College of Engineering                |
| 21. Structural Audit/ Assessment                                                 | Mar 2011    | Solapur      | For Indian Society of Structural Engineers       |
| 22. Structural Audit/ Assessment                                                 | Jan 2012    | Mumbai       | At VJIT                                          |
| 23. Understanding Essentials of Redevelopment Projects                           | Sep 2014    | Mumbai       | For General Public                               |
| 24. Redevelopment of Buildings – Role of Various Agencies                        | Dec 2014    | Mumbai       | At VJIT                                          |
| 25. Process of Redevelopment, Roles of Different Agencies & Selection of a PMC   | Jan 2015    | Mumbai       | For Institute of Chartered Accountants of India  |
| 26. Understanding Essentials of Redevelopment Projects                           | Mar 2015    | Mumbai       | For General Public                               |
| 27. Structural Audit & Non-destructive of Buildings                              | Mar 2016    | Mumbai       | At CETTM                                         |
| 28. Construction of Civil works: Reinforcement                                   | Jul 2016    | Mumbai       | Industry Readiness Program for Fresh Engineers   |
| 29. Effective Supervision of Projects: Site Records, Communication and Reporting | Aug 2016    | Mumbai       | Industry Readiness Program for Fresh Engineers   |
| 30. Structural Audit: Concept, Scope & Procedures                                | Aug 2016    | Amravati     | For Government College of Engineering, Amravati  |
| 31. Mediation for Dispute Resolution in Construction Projects                    | Sep 2016    | Mumbai       | At Big5 Construct India Exhibition               |
| 32. Deal Mediation                                                               | Feb 2017    | Mumbai       | Professional Mediation Training Program at CETTM |

| <b>Seminar / Workshop Topic</b>                                                                         | <b>Date</b> | <b>Venue</b> | <b>Remarks</b>                                   |
|---------------------------------------------------------------------------------------------------------|-------------|--------------|--------------------------------------------------|
| 33. Mediation for Dispute Resolution in Construction Projects                                           | Feb 2017    | Pune         | For Indian Society of Structural Engineers, Pune |
| 34. RCC Design using Spreadsheet Applications                                                           | Apr 2017    | Mumbai       | CPD Program approved & supported by ECI & CIDC   |
| 35. Rehabilitation & Strengthening of Structures                                                        | May 2017    | Mumbai       | CPD Program approved & supported by ECI & CIDC   |
| 36. Construction Cost Management - A Modern Approach: Billing, Bill Checking and Certification          | Jul 2017    | Mumbai       | CPD Program approved & supported by ECI & CIDC   |
| 37. Construction Cost Management - A Modern Approach: Engineer's & Architect's Certificates as per RERA | Jul 2017    | Mumbai       | CPD Program approved & supported by ECI & CIDC   |
| 38. RERA – New Challenges & Opportunities                                                               | Sep 2017    | Mumbai       | CPD Program approved & supported by ECI & CIDC   |
| 39. RERA - Introduction to Dispute Resolution Methods                                                   | Sep 2017    | Mumbai       | CPD Program approved & supported by ECI & CIDC   |
| 40. Mediation & Conciliation for Resolution of Construction Disputes                                    | Nov 2017    | Mumbai       | CPD Program approved & supported by ECI & CIDC   |
| 41. Conciliation & ADR in Construction                                                                  | Jan 2018    | Mumbai       | For NICMAR, Mumbai                               |
| 42. Understanding the Process of Redevelopment                                                          | Jun 2018    | Mumbai       | For Members of Housing Societies                 |
| 43. Avoiding Pitfalls & Failures in Redevelopment                                                       | Jun 2018    | Mumbai       | For Members of Housing Societies                 |
| 44. Structural Audit & Non-destructive Testing                                                          | Jun 2018    | Mumbai       | CPD Program approved & supported by ECI & CIDC   |
| 45. Understanding the Process of Redevelopment                                                          | Jul 2018    | Mumbai       | For Members of Housing Societies                 |
| 46. Understanding the Process of Redevelopment                                                          | Aug 2018    | Mumbai       | For Members of Housing Societies                 |

**CV OF NEETIN KHEDKAR**

**Name:** NEETIN KHEDKAR

*Director, Dhargalkar Technoesis (I) Pvt. Ltd.*

**Educational:** B. Tech. (Civil), IIT Bombay, May 1982

**Qualifications** Post Graduate Diploma in Computer Programming

**Fields of Practice:** Construction Project Management, Structural Rehabilitation

**Skills & Expertise:** Project Management, Progress Monitoring, Time Management, Budget Management, Contract Management, Operations Management, Technical Documentation, Negotiation

**Memberships:**

1. Senior Professional Engineer, Engineering Council of India & CIDC
2. Member of the Institution of Engineers (I)
3. Member of IIT Bombay Alumni Association

**Experience:** Completed more than 20000 houses in various cities in India.  
Recently completed projects:

1. 'Lords' at Nahur ... A mini township with 268 flats of 2 BHK each
2. 'Solitaire' at Thane ... A tower housing 108 apartments at Ghodbunder Road, Thane, presently nearing completion.
3. 'Rajas Residency' at Ghatkopar ... A tower with 2 and 1 BHK flats at Pant Nagar, Ghatkopar, presently nearing completion.
4. Skywalks at Wadala and Cotton Green ... Project Management
5. Shushrusha Hospital, Vikhroli ... Complete Project Management on behalf of the Client, Shushrusha Citizens Coop Hospitals Ltd.  
A 120 bed Multi Speciality Hospital, for the benefit of Lower Income Group, Coop Sector.

**Awards:** He received Limca Book Award in June 2013 for constructing 268 flats in a record time of 731 days using conventional technology despite challenges faced during construction on Mumbai

**Publications:** South East Asian Housing Program, ASEAN – Jan 2008  
The publication discusses problems related to Housing for the Poor.

**TECHNICAL TEAM****Directors:****Umesh Dhargalkar**

Designation: Managing Director  
 Qualifications: B. Tech. (Civil), IIT Bombay  
 M. Tech. (Struct.), IIT Bombay  
 Experience: 33 years

**Neetin Khedkar**

Designation: Director  
 Qualifications: B. Tech. (Civil), IIT Bombay  
 Experience: 35 years

**Rupali Joshi**

Designation: Director  
 Qualifications: B E (Civil)  
 Experience: 22 years

**Project Coordinators:****Laxmikant Umarji**

Designation: Sr. Project Coordinator  
 Qualifications: B E (Civil)  
 Experience: 40 years

**R.K. Nair**

Designation: Project Coordinator  
 Experience: 12 years

**Other Technical Staff:**

| Name               | Designation          | Qualification   | Experience |
|--------------------|----------------------|-----------------|------------|
| 1. Shruthi Argekar | Sr. Project Engineer | B E (Civil)     | 9 yrs      |
| 2. Nilesh Kale     | Sr. Project Engineer | B E (Civil)     | 7 yrs      |
| 3. Darshan Tawade  | Project Engineer     | B E (Civil)     | 5 yrs      |
| 4. Dhruv Patel     | Project Engineer     | B Tech (Civil)  | 3 yrs      |
| 5. Ketan Waghela   | Project Engineer     | B E (Civil)     | 1 yr       |
| 6. Ajay Pawar      | Project Engineer     | Diploma (Civil) | 2 yrs      |
| 7. Rupesh Hatankar | Site Supervisor      | B Com, CBM      | 3 yrs      |

**Associates:**

- Architects: Suhas Borole, S.B. Associates
- Structural: Pedanekar & Associates
- Legal: Krishna Tanna & Associates
- Testing: Aaryan Engineers



## Professional Training by Technoesis

**Continuing Professional Development (CPD)** is the means by which professionals can maintain, improve and broaden their knowledge and skills and develop the qualities required in their professional lives. CPD can be defined as the conscious updating of professional knowledge and the improvement of professional competence throughout a person's working life.

**Technoesis™** is a consulting firm with domain expertise in the construction field acquired over past 25 years. One of our key functions is to organize Professional Training Activities, with a view to build a strong professional foundation and to update the professional knowledge and skills based on the latest technological and computational advances. We have already imparted over 30,000 man hours of training to more than 1500 civil engineers across India. Our programs are conducted by experts from high professional and academic background and are supported by many professional bodies. We have received accreditation from Consultancy Development Centre, Department of Scientific & Industrial Research, Ministry of Science & Technology, Government of India.

*Technoesis CPD Programs are approved by Engineering Council of India (ECI) and Construction Industry Development Council (CIDC) who are our Supporting Partners. A List of such CPD Programs is available on our website [www.technoesis.co.in](http://www.technoesis.co.in).*

A list of our previous Training Programs is as under:

### A] Professional Development Programs

| Title                                                        | Date   | No. of Sessions | No. of Participants | Remarks                                                                   |
|--------------------------------------------------------------|--------|-----------------|---------------------|---------------------------------------------------------------------------|
| 1. Structural Design of Multistoried RCC Buildings           | Jul-09 | 33              | 53                  | With Sardar Patel College of Engineering, Mumbai                          |
| 2. Design of Steel Structures Using IS 800: 2007             | Nov-09 | 16              | 33                  | With Sardar Patel College of Engineering, Mumbai                          |
| 3. Effective Property Management in the 21st Century         | Dec-09 | 10              | 18                  | At K.J. Somaiya Institute of Mgmt Studies, Mumbai                         |
| 4. Planning & Designing Earthquake Resistant Buildings       | Feb-10 | 8               | 120                 | With IES College of Architecture, Mumbai                                  |
| 5. Structural Audit & Rehabilitation of Buildings            | Mar-10 | 10              | 115                 | At VJTI, Mumbai                                                           |
| 6. Structural Audit & Non-destructive Testing of Buildings   | Mar-16 | 4               | 63                  | At CETTM, Mumbai                                                          |
| 7. Mediation for Dispute Resolution in Construction Projects | Sep-16 | 1               | 50                  | At Big5 Construct India Exhibition, Mumbai                                |
| 8. Application of MS Project to Construction Projects        | Dec-16 | 8               | 10                  | At CETTM, Mumbai                                                          |
| 9. 5 Day Professional Mediation Training Program             | Feb-17 | 20              | 13                  | At Mumbai in association with Indian Institute of Arbitration & Mediation |
| 10. RCC Design using Spreadsheet Applications                | Apr-17 | 4               | 37                  | At Mumbai approved & supported by ECI & CIDC                              |
| 11. Rehabilitation & Strengthening of Structures             | May-17 | 8               | 41                  | At Mumbai approved & supported by ECI & CIDC                              |
| 12. Construction Cost Management – A Modern Approach         | Jun-17 | 8               | 31                  | At Mumbai approved & supported by ECI & CIDC                              |

| Title                                                                | Date   | No. of Sessions | No. of Participants | Remarks                                                                   |
|----------------------------------------------------------------------|--------|-----------------|---------------------|---------------------------------------------------------------------------|
| 13. Professional Certificate in Commercial Arbitration               | Aug-17 | 8               | 26                  | At Mumbai in association with Indian Institute of Arbitration & Mediation |
| 14. RERA – New Challenges in Construction Project Management         | Sep-17 | 8               | 26                  | At Mumbai approved & supported by ECI & CIDC                              |
| 15. Use of MS-Project for Managing Construction Projects             | Oct-17 | 8               | 20                  | At Mumbai approved & supported by ECI & CIDC                              |
| 16. Mediation & Conciliation for Resolution of Construction Disputes | Nov-17 | 8               | 16                  | At Mumbai approved & supported by ECI & CIDC                              |
| 17. Structural Audit & Non-destructive Testing                       | Jun-18 | 4               | 63                  | At Mumbai approved & supported by ECI & CIDC                              |

## B] Seminars/ Workshops

| Topic                                                                | Date   | Venue    | Remarks                                           |
|----------------------------------------------------------------------|--------|----------|---------------------------------------------------|
| 1. Seismic Design and Detailing of RCC Framed Structures             | Feb-02 | Mumbai   | For Indian Society of Structural Engineers        |
| 2. Software Tools for Structural Design of Buildings                 | Feb-03 | Mumbai   | For Indian Society of Structural Engineers        |
| 3. Seismic Aspects for Design of Buildings                           | Oct-03 | Bhiwandi | For Municipal Corporations of Mumbai and Bhiwandi |
| 4. Structural Audit: Methodology, Guidelines and Related Issues      | Nov-03 | Mumbai   | For Indian Society of Structural Engineers        |
| 5. Structural Audit/ Assessment                                      | Nov-03 | Mumbai   | For Indian Society of Structural Engineers        |
| 6. Structural Audit/ Assessment                                      | Apr-04 | Pune     | For Indian Society of Structural Engineers        |
| 7. Post Tensioned Slabs                                              | Oct-04 | Mumbai   | For Indian Society of Structural Engineers        |
| 8. Rapid Seismic Assessment of Buildings                             | Jun-05 | Dubai    | For Aga Khan Planning & Building Service          |
| 9. Structural Detailing In RCC Buildings                             | May-07 | Mumbai   | For Indian Society of Structural Engineers        |
| 10. Seismic Isolation and Column shortening of High-rise             | Sep-08 | Mumbai   | For Indian Society of Structural Engineers        |
| 11. Structural Audit/ Assessment                                     | Sep-08 | Pune     | For Indian Society of Structural Engineers        |
| 12. Structural Detailing Using Software                              | Jun-09 | Mumbai   | For Indian Society of Structural Engineers        |
| 13. Structural Audit/ Assessment                                     | Mar-11 | Solapur  | For Indian Society of Structural Engineers        |
| 14. Redevelopment of Buildings – Role of Various Agencies            | Dec-14 | Mumbai   | At VJIT                                           |
| 15. Process of Redevelopment, Roles of Agencies & Selection of a PMC | Jan-15 | Mumbai   | For Institute of Chartered Accountants of India   |
| 16. Mediation for Dispute Resolution in Construction Projects        | Feb 17 | Pune     | For Indian Society of Structural Engineers, Pune  |
| 17. Conciliation & ADR in Construction                               | Jan 18 | Mumbai   | For NICMAR, Mumbai                                |

**C] Expert Lectures**

| Topic                                                                    | Date   | No. of Participants | Remarks                          |
|--------------------------------------------------------------------------|--------|---------------------|----------------------------------|
| 1. IS 800: 2007 - New Concepts & Applications in Steel Design            | Sep-10 | 60                  | By Prof. M.R. Shiyekar at Mumbai |
| 2. Quality Assurance in Ready Mixed Concrete                             | Oct-10 | 30                  | By V.R. Kulkarni at Mumbai       |
| 3. MS-Excel Based Software Applications for RCC Design                   | Nov-10 | 42                  | By Umesh Dhargalkar at Mumbai    |
| 4. Structural Design of Post-Tensioned Slabs                             | Dec-10 | 50                  | By Dr. Florian Aalami at Mumbai  |
| 5. Contract Management and Dispute Resolution                            | Jan-11 | 43                  | By N.N. Shrikhande at Mumbai     |
| 6. Structural Pitfalls & Rehabilitation – Case Studies                   | Feb-11 | 33                  | By B.V. Bhedasgaonkar at Mumbai  |
| 7. Earthquake Resistant Design of Buildings using Base Isolators         | Mar-11 | 59                  | By Dr. R.S. Jangid at Mumbai     |
| 8. Structural Dynamics                                                   | Apr-11 | 42                  | By Dr. M M Murudi at Mumbai      |
| 9. Construction Aspects of Deep Foundations                              | May-11 | 55                  | By Suhas Ambiye at Mumbai        |
| 10. Innovative Enabling Structures for Challenging Construction Projects | Jun-11 | 43                  | By A.B. Karnik at Mumbai         |
| 11. Ductile Detailing: Philosophy and Applications                       | Jul-11 | 46                  | By D.S. Joshi at Mumbai          |
| 12. Non-destructive testing of deep foundations & superstructures        | Aug-11 | 34                  | By Ravikiran Vaidya at Mumbai    |
| 13. Arbitration for resolution of disputes in construction projects      | Sep-11 | 68                  | By Dr. Kirty Dave at Mumbai      |
| 14. Performance Based Seismic Design of buildings                        | Oct-11 | 24                  | By Satish Jain at Mumbai         |
| 15. Earth Retaining Schemes for basements & Deep Excavations             | Nov-11 | 36                  | By D.V. Karandikar at Mumbai     |

**D] Industry Readiness Programs for Students / Fresh Engineers**

| Topic                                              | Date   | No. of Sessions | No. of Participants | Remarks                                 |
|----------------------------------------------------|--------|-----------------|---------------------|-----------------------------------------|
| 1. Structural Audit/ Assessment                    | Dec-04 | 2               | 40                  | At K.J. Somaiya Polytechnic, Mumbai     |
| 2. Structural Audit/ Assessment                    | Apr-09 | 2               | 40                  | At Sinhgad College of Engineering, Pune |
| 3. Structural Audit/ Assessment                    | Feb-11 | 1               | 25                  | At Sinhgad College of Engineering, Pune |
| 4. Redevelopment of Buildings                      | Dec-15 | 1               | 60                  | At Universal College, Thane             |
| 5. Getting Ready for a Career in Civil Engineering | Mar-16 | 1               | 55                  | At SPCE, Mumbai                         |
| 6. Getting Ready for a Career in Civil Engineering | Mar-16 | 1               | 66                  | At VJTI, Mumbai                         |
| 7. Getting Ready for a Career in Civil Engineering | Apr-16 | 1               | 49                  | At ARMIET, Shahapur                     |
| 8. Getting Ready for a Career in Civil Engineering | Apr-16 | 1               | 47                  | At MPSTME, Mumbai                       |
| 9. Setting Up a Construction Project               | Jun-16 | 8               | 20                  | At CETTM, Mumbai                        |

| Topic                                             | Date   | No. of Sessions | No. of Participants | Remarks                       |
|---------------------------------------------------|--------|-----------------|---------------------|-------------------------------|
| 10. Construction of Civil Works                   | Jul-16 | 8               | 20                  | At CETTM, Mumbai              |
| 11. Construction of Finishing Works & Services    | Jul-16 | 8               | 21                  | At CETTM, Mumbai              |
| 12. Effective Supervision of Projects             | Aug-16 | 8               | 22                  | At CETTM, Mumbai              |
| 13. Costing & Billing in Construction Projects    | Aug-16 | 8               | 26                  | At CETTM, Mumbai              |
| 14. Effective Construction Project Management     | Aug-16 | 8               | 27                  | At CETTM, Mumbai              |
| 15. Construction of Finishing Works               | Jan-17 | 8               | 76                  | At Somaiya Polytechnic Mumbai |
| 16. Estimation & Costing in Construction Projects | Sep-17 | 4               | 50                  | At Somaiya Polytechnic Mumbai |

#### **E] Faculty Development Programs**

| Topic                                                     | Date   | No. of Participants | Remarks                                         |
|-----------------------------------------------------------|--------|---------------------|-------------------------------------------------|
| 1. Structural Audit/ Assessment                           | Jan-12 | 38                  | At VJIT, Mumbai                                 |
| 2. Redevelopment of Buildings – Role of Various Agencies  | Dec-14 | 30                  | At VJIT, Mumbai                                 |
| 3. Structural Audit: Concept, Scope & Procedures          | Aug-16 | 60                  | For Government College of Engineering, Amravati |
| 4. Redevelopment of Buildings - Roles of Various Agencies | Jan-17 | 22                  | SBMP Polytechnic, Mumbai                        |

#### **F] Public Awareness Programs**

| Topic                                                 | Date   | Venue  | Remarks            |
|-------------------------------------------------------|--------|--------|--------------------|
| 1. Understanding Essentials of Redevelopment Projects | Sep-14 | Mumbai | For General Public |
| 2. Understanding Essentials of Redevelopment Projects | Mar-15 | Mumbai | For General Public |
| 3. Understanding the Process of Redevelopment         | Jun-18 | Mumbai | For General Public |
| 4. Avoiding Pitfalls & Failures in Redevelopment      | Jun-18 | Mumbai | For General Public |
| 5. Understanding the Process of Redevelopment         | Jul-18 | Mumbai | For General Public |
| 6. Understanding the Process of Redevelopment         | Aug-18 | Mumbai | For General Public |

## TRAINING PROGRAMS AVAILABLE ON REQUEST

| Program Title                                                     | Duration<br>{Days} |
|-------------------------------------------------------------------|--------------------|
| <b>Construction Engineering &amp; Management</b>                  |                    |
| 1 Construction Engineering & Management (6 Modules)               | 12                 |
| 2 Setting Up Project Infrastructure & Logistics                   | 2                  |
| 3 Construction of Foundations & Substructures                     | 2                  |
| 4 Construction of Civil Works                                     | 2                  |
| 5 Use of Formwork in Construction Projects                        | 1                  |
| 6 Construction of Finishing Works & Services                      | 2                  |
| 7 Supervision & Quality Control of Construction Projects          | 2                  |
| 8 Costing & Billing in Construction Projects                      | 2                  |
| 9 Effective Construction Project Management                       | 2                  |
| 10 Construction Problems – Prevention & Remedies                  | 1                  |
| 11 Quality Control in Construction Projects                       | 2                  |
| 12 Planning & Scheduling of Construction Projects                 | 2                  |
| 13 Use of MS-Project for Managing Construction Projects           | 2                  |
| <b>Structural Engineering</b>                                     |                    |
| 1 RCC Design Using Spreadsheet Applications                       | 1                  |
| 2 Structural Design of RCC Buildings                              | 3                  |
| 3 Design of Steel Structures                                      | 3                  |
| 4 Structural Detailing In RCC Buildings                           | 1                  |
| 5 Earthquake Resistant Design of RCC Framed Structures            | 3                  |
| <b>Structural Assessment &amp; Rehabilitation</b>                 |                    |
| 1 Structural Assessment, Audit & Non-destructive Testing          | 2                  |
| 2 Strengthening & Rehabilitation of Structures                    | 2                  |
| <b>Contract Management &amp; Dispute Resolution</b>               |                    |
| 1 Management of Construction Contracts                            | 2                  |
| 2 Mediation & Arbitration for Resolution of Construction Disputes | 2                  |
| <b>Career Development &amp; Enhancement Programs</b>              |                    |
| 1 Executives & Senior Managers                                    | 5                  |
| 2 Contractors                                                     | 2                  |
| 3 Site Supervisors                                                | 5                  |
| 4 Essential Soft Skills for Civil Engineers                       | 2                  |
| 5 Suitable Careers for Lady Civil Engineers                       | 1                  |
| <b>Allied Programs</b>                                            |                    |
| 1 Planning & Designing Earthquake Resistant Buildings             | 2                  |
| 2 Geotechnical Investigations                                     | 1                  |
| 3 Waterproofing of Structures                                     | 1                  |
| 4 Mechanical, Electrical & Plumbing Works                         | 2                  |
| 5 Non-destructive Testing of Structures                           | 2                  |
| 6 Use of Construction Chemicals                                   | 1                  |
| 7 Safety Management in Construction Projects                      | 1                  |
| 8 Effective Property Management                                   | 2                  |
| 9 Design & Construction of Post Tensioned Slabs                   | 2                  |

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**About You:**

|                     |
|---------------------|
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| <b>Mobile:</b>      |
| <b>Email:</b>       |
| <b>Website:</b>     |

**About Your Requirements:** (Please tick)

|                                                            |                                                            |
|------------------------------------------------------------|------------------------------------------------------------|
| <input type="checkbox"/> PMC for Redevelopment             | <input type="checkbox"/> Structural Repair/ Rehabilitation |
| <input type="checkbox"/> Structural Audit/ Assessment      | <input type="checkbox"/> Professional Training             |
| <input type="checkbox"/> Structural Repair/ Rehabilitation | <input type="checkbox"/> Mediation/ Arbitration            |
| <b>More Details:</b>                                       |                                                            |

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