



**GOVERNMENT COLLEGE OF ENGINEERING,
AURANGABAD
APPLIED MECHANICS DEPARTMENT**

Station Road, Osmanpura, AURANGABAD - 431 005 (M.S.)

“In Pursuit of Global Competitiveness”

☎ : (0240) 2332635, 2358333,
E-mail : principalgeca@yahoo.com

Fax : (0240) 233283
Web: <http://www.geca.ac.in>

Name : Dr. R. S. Londhe
Designation : Professor and Head
Department of Applied Mechanics
e-mail : drlondhe07@gmail.com
Ph. (Mob) : 8087001704/9511262078
Date of birth : May 16, 1965



Educational Qualification :

- **Ph.D. (Structural Engineering, I.I.T. Roorkee, 2008)**
(Thesis Title : Studies in Transfer Beams for High-Rise Buildings.)
- **M.E. (Structural Engineering, Govt. College of Engineering, Pune, 1997)**
(Thesis Title : Investigation of Shear and Ductility of high Grade Concrete using Industrial Waste M.S. fibers and H.T. fibers)
- **B.E. (Civil Engineering, Walchand College of Engineering, Sangli, 1987)**

Professional and Teaching Experience:

- **Site Engineer (1983-1989)** : Aqsa Constructions, Solapur
- **Lecturer (1989-1992)** : Govt. Polytechnic, Solapur
- **Lecturer (1992- 1998)** : Govt. College of Engineering, Pune
- **Assistant Professor (1998 -2002)** : Govt. College of Engineering, Pune
- **Assistant Professor (2002 -2006)** : Govt. College of Engineering, Karad
- **Assistant Professor (2006 – till date)** : Govt. College of Engineering, Aurangabad

- **Structural Designers and Consultant** : Applied Mechanics Dept., GECA

Selection for Different Post by Maharashtra Public Service Commission (MPSC):

- (1) **Lecturer in Civil Engineering (1989)**, Govt. Polytechnic, Solapur, Maharashtra Govt. Polytechnics Teaching and Administrative Services, Grade-I
- (2) **Lecturer in Applied Mechanics (1992)**, Govt. Engineering College, Pune, Maharashtra Govt. Engineering College Teaching Services, Grade-I
- (3) **Head of Applied Mechanics Department (1998)**, Maharashtra Govt. Polytechnics Teaching and Administrative Services, Grade-A
- (4) **Assistant Professor of Applied Mechanics (2006) (5th Pay)**, Govt. Engineering College, Aurangabad, Maharashtra Govt. Engineering College Teaching Services, Grade-A

Areas of Expertise and Research Interest

- High-Rise Buildings Selection
- Reinforced and Prestressed Concrete
- Structural Dynamics and Earthquake Engineering
- Structural Reliability

Most Recently taught Courses:

UG Level

- Applied Mechanics
- Solid Mechanics
- Advanced Reinforced Concrete Design
- Prestressed Concrete

PG Level

- Theory of Elasticity and Plasticity
- Structural Dynamics
- Analysis and Design of High-rise Structures

RESEARCH GUIDANCE:

ME Dissertation:

More than 50 candidates have been supervised for their M.E dissertation work.

PhD Guide : List of PhD Candidates

Sr. No.	Research Scholar	Year of Registration	University/College	Title of the the Thesis
1	Jain I. M.	2010	Dr. BAMU/ GECA	Experimental Studies on Tall Buildings
2	Bhatti M. V	2011	RK University, Gujrat	Analysis of RC building Frame after considering effect of loads during construction and effect of construction stages on properties of structural elements
3	Solanki D.H	2011	RK University, Gujrat	Strength Evaluation Based on Confined Concrete stress- strain model for RC beam & column through analytical approach
4	Yerekar A. W	2012	Dr. BAMU/GECA	Experimental Investigation on Behaviour of Geosynthetically Reinforced Concrete (GRC) Beams under Shear

Organization of conferences and short-term courses

ORGANIZING SECRETARY

Worked as an Organizing Secretary for International Conference on “ **Innovative World of Structural Engineering – ICIWSE-2010**” , organized by Department of Applied Mechanics, Govt. College of Engineering, Aurangabad, during December 25-27,2010

EDITED VOLUMES:

Ghugal Y. M. and Londhe R. S. (Editors) “ Proceedings of International Conference on “ **Innovative World of Structural Engineering – ICIWSE-2010**” , organized by Department of Applied Mechanics, Govt. College of Engineering, Aurangabad, during December 25-27,2010

SOFTWARE AWARENESS:-

Use of-i) STAAD Pro.2001 ii) ANSYS 10 Software **and** iii) STRAP

Publications in National and International Journals: 14

- National Journals : 06
- International Journals : 08
- No. of papers submitted : 02 for publication in International Journals

Publications in National and Inter National Conferences: 23

- National Level Conferences : 13
- Inter-National Level Conferences : 10

Reviewer of International and National Journals:

- (1) American Concrete Institute, ACI Material Journal, USA
- (2) Structural Engineering and Mechanics (SEM) Journal, Techno Press, Korea
- (3) Indian Concrete Journal (ICJ)

No. of Papers Reviewed: 10

- 1. ACI Manuscript No. ID S-2007-050** , “Full Scale Test on the Structural wall Ductility under Cyclic Loading”, March 12, 2007.
- 2. ACI Manuscript No. ID M-2006-364.R1**, “Study by Static Bending of the Performance of Plaster Coating Shelter Walls, March 29, 2007.
- 3. ACI Manuscript No S-2008-369.R1**, “Analytical and Numerical Modeling of RC beams Strengthened in flexure with near surface mounted CFRP strips, **May 27, 2008.**
- 4. SEM Manuscript No. 3422** “ Probabilistic Shear Strength Models for Reinforced Concrete Beams Without Shear Reinforcement” July 15,2009
- 5. ACI Manuscript No. S-2007-138** , Finite element Modeling of CFRP Beams Under Elevated Temperature”, July 2007
- 6. ACI Manuscript No. S-2008-234**, Ductility of a Structural Wall With Spread Rebars Tested in Full Scale”, July, 2008.
- 7. ACI Manuscript No S-2008-369.R1**, “Seismic Behaviour of 150 MPa Flexural Elements” **March 20, 2009.**
- 8. ACI Manuscript No S ID S-2010-079.R1**, “Defining the concrete compressive strain at the ultimate limit state” **May 16, 2010.**

9. **ICJ Manuscript No. CIS/ICJ/719:** “Cable Layout Design of Two-Way Prestressed Concrete Slabs Using FEM” , August 08, 2010
- 10) **ACI Manuscript No ID M-2010-294.R1** “Size Dependent Shear Strength of Reinforced Concrete Deep Beams” , Oct.14 – Nov. 28, 2010
- 11) **ACI Manuscript No ID S-2011-177.R₁** “Seismic Design Reducing Reinforcement Congestion in RC Linear Element” , Oct.14 – Nov. 28, 2010.
- 12) Indian Concrete Journal “Properties of fiber reinforced fly ash concrete”, August.2013
- 13) Indian Concrete Journal “**Artificial Aggregates – An art out of wastes**”Nov.2013
- 14) International Journal of Concrete Structures and Materials, Manuscript IJCS-D-12-00003 “Analysis and Design of R.C. Deep Beams By Finite Strip Method And Comparison of Theoretical Results With Experimental Results” Dec.2013.

Membership of Professional Societies:

- Life Member of **ISCMS** - (LM-702, June 2007): **Indian Society for Construction Materials And Structures (ISCMS)**
- Life Member of **ISET** - (LM 1367, July 10,2008): **Indian Society for Earthquake Technology (ISET)**
- Member of IE (MIE-140553-5) : **Institution of Engineers (India)** , IE (India)
- Life Member of ISWE (Applied in 2008) , **Indian Society for Wind Engineering.**
- Member of National Information Centre of Earthquake Engineering (NICEE), Indian Institute of Technology, Kanpur, 208 016,**India**

Invited Special Lectures Delivered:

- Studies in Transfer beam for High-rise Buildings, “One day seminar on RCC Structure and High-rise Buildings”, Beed district consultant Civil Engineers Association and Bhandarkar Consultant & Engineers”, March 24, 2007.
- Dynamic Response of ESR., “One day seminar on RCC Structure and Architecture , Beed district consultant Civil Engineers Association and Bhandarkar Consultant & Engineers”, Feb. 24, 2008.

PAPER PUBLICATIONS
IN
REFEREED NATIONAL AND INTERNATIONAL JOURNAL

- 1) **Londhe R. S.** (July, 2008), “**Effect of Depth of Beam on Shear Capacity of Transfer Beams in High-Rise Buildings**”, Civil Engineering & Construction Review Journal (CE & CR Journal: National Journal), New Delhi, Vol. 21, No.07, pp. 94 - 101.
- 2) **Londhe R. S.** (August-September, 2008), “**Shear Capacity of Reinforced Concrete Transfer Beams Reinforced with Longitudinal Steel**”, Journal of Structural Engineering: **An International Journal**, Vol. 35, No. 3, pp. 190-194.
- 3) **Londhe R. S.** (January, 2009), “**The Design of Reinforced Concrete Beams for Shear in Current Practice: A New Analytical Model**” Structural Engineering and Mechanics: **An International Journal**, Vol. 31, No. 2, pp.1-11, Techno Press, Daejeon, Korea.
- 4) **Londhe R. S.** (June, 2009), “**Experimental Study of Shear Strength of Concrete Beams Reinforced with Longitudinal Tension Steel**”, Asian Journal of Civil Engg.(Building and Housing): **An International Journal**, Tehran, Iran, Vol.10, No. 03, pp. 257-264.
- 5) **Londhe R. S.** (July, 2009), “**Design of Reinforced Concrete Shear Wall in R C Multi-storey Buildings: A Numerical Study**”, Civil Engg, & Construction Review Journal (CE & CR-National Journal), New Delhi, Vol. 22, No.07, pp. 54-60.
- 6) **Londhe R. S.** (Sept. 2009), “**A Design of Seismic Force For Steel Building Frames With Steel Plate Shear Walls: A Numerical Study**” Civil Engineering & Construction Review Journal (CE & CR Journal: National Journal), Vol. 22, No.09, pp. 86-91.
- 7) **Londhe R. S. and Chavan A.P.** (February 2010), “**Behaviour of Building Frames with Steel Plate Shear Walls**, **Asian Journal of Civil Engg. An International Journal**, Vol. 11, No.1, pp. 95-102.
- 8) **Londhe R. S.** (June 2010) “**Experimental Investigation on Shear Strength of SFRC Beams Reinforced with Longitudinal Tension Steel Rebars**” Asian Journal of Civil Engg.: **An International Journal**, Vol. 11, No. 03, pp. 385-395.
- 9) **Londhe R. S.** (April 2010), “**A New Shear Capacity Expression for Transfer Beams for High-Rise Buildings**”, Indian Concrete Journal, **An International Journal**, Vol. 84, No. 4, pp. 32- 38.
- 10) **Londhe R. S.** (Sept. 2010), “**A New Design Model for Evaluation of Shear Strength of Fibrous Concrete Beams**” Steel and Composite Structures: **An International Journal**, Applied Research and Development, Institute Journal, PDFARDIJ, Vol.3, No.6, pp.34.37

- 11) Londhe R. S. (Dec.- Jan. 2010-2011), “**Experimental Studies in Reinforced Concrete Transfer Beams for High-Rise Buildings**”, Journal of Structural Engineering, **An International Journal** Vol. 37, No. 5, December-January 2010-2011, pp. 305-312
- 12) Londhe R. S. (January 2011), “**Shear Strength Analysis and Prediction of Reinforced Concrete Transfer Beams in High-Rise Buildings**” Structural Engineering and Mechanics: **An International Journal**, , Techno Press, Daejeon, Korea, Vol. 37, No. 1, pp.39-59
- 13) Londhe R. S. and Naik C. V. (Sept. 2014), “**A proposed revision in national standards for limits on deleterious material (clay lumps) in fine and coarse aggregate**”, Indian Concrete Journal, **An International Journal**, Vol.88 , No. 9, pp. 46-50.
- 14) R.S. Londhe* and M.F.Baig **Non Linear Static Analysis Of Knee Bracing In Steel FrameStructures** IOSR Journal of Mechanical and Civil Engineering (IOSR-JMCE) e-ISSN: 2278-1684 Volume 5, Issue 4 (Jan. - Feb. 2013), PP 19-25.
- 15) Kharat and Londhe R. S. “**An Analytical Study On Seismic Performance of the Reinforced Concrete Elevated Water Tank With Alternate Frame Type Staging**” International journal emerging technology and application in engineering ”,Dec.2014
- 16) Salve U. L R.S. Londhe “**Effect of Curtailed Shear Wall on Storey Drift of High Rise Buildings Subjected to Seismic Loads**”, IOSR Journal of Mechanical and Civil Engineering” (IOSR-JMCE) Volume no. 11, Issue no. 4, Ver.IV (Jul-Aug 2014.), pp 45-49.
- 17) Bhende V.D. and Londhe R.S. “**Seismic Analysis of Pile Foundation in Liquefiable Soil: , Journal of Civil Engineering & Environmental Technology, Vol. 2, No. 10, PP.66-70 , 2015.**

**PAPER PUBLICATIONS
IN
NATIONAL AND INTERNATIONAL CONFERENCES**

NATIONAL LEVEL CONFERENCES: 13

1. Londhe R.S., Prasad J. and Ahuja A.K., “**Role of Transverse and Longitudinal Rebars in Transfer Beam in High-rise Buildings**”, The National Seminar on “*Advances in Concrete Technology and Concrete Structures for the future-ADCONST-2003*” held at **Annamalai University, Chennai, on December 18-19, 2003.**
2. Londhe R.S., “**The Role of H.T. Steel Fibers and Turning waste M. S. Fibers in High-Grade Concrete**”, The National Seminar on “*Advances in Concrete Technology and Concrete Structures for the future-ADCONST-2003*” held at **Annamalai University, Chennai, on December 18-19, 2003.**
3. Londhe R.S., “**The Role of Ductility on the Seismic Stability of R. C. Structures**, The National Conference on “*Recent Advances In Civil Engineering-RACE-2004*” held at **Cochin University of Science and Technology, Kochi, on March 25-27, 2003.**

4. **Londhe R.S., “ Fiber Reinforced Polymer Concrete: Modern Material in Construction, The National Conference on “Recent Advances In Civil Engineering-RACE-2004” held at Cochin University of Science and Technology, Kochi, on March 25-27, 2003.**
5. **Londhe R.S., “ Role of Composite Material for Rehabilitation and Retrofitting of RC Structures, The National Workshop on “Advances in Materials and Mechanics of Concrete Structures (NMAMMCS)” held at I. I. T. Madras on 2 & 3, July 2004.**
6. **Londhe R.S., “ Performance of Fiber Reinforced High-Grade Concrete Under Direct Shear, The National Workshop on “Advances in Materials and Mechanics of Concrete Structures (NMAMMCS)” held at I. I. T. Madras on 2 & 3, July 2004.**
7. **Londhe R.S., “ Role of Industrial Turning Waste M.S. Fibers in Recycled Aggregate Concrete, The National Conference on “ Materials and Their applications in Civil Engineering (MACE)” held at the National Institute of Technology Hamirpur (HP) on 26-27 August 2004.**
8. **Londhe R.S., “ Experimental Studies on Steel Fiber Reinforced Concrete Under Direct Shear, The National Conference on “ Materials and Their applications in Civil Engineering (MACE)” held at the National Institute of Technology Hamirpur (HP) on 26-27 August 2004.**
9. **Londhe R.S., “ Polymer Modified Recycled Aggregate Concrete: An Alternative to Conventional Concrete, The National Conference on “ Materials and Their applications in Civil Engineering (MACE)” held at the National Institute of Technology Hamirpur (HP) on 26-27 August 2004.**
10. **Londhe R.S., “ Polymer Modified Composite Concrete for Rehabilitation and Retrofitting of RC Structures, The National Conference on “ Advances in Civil Engineering Materials and Construction Technology –AMCT-04” held at Shri Sidharth Institute of Technology, TUMKUR, (Karnataka), 21-22 May-2004.**
11. **Londhe R.S., “ Performance of Fiber Reinforced Normal -Grade Concrete Under Direct Shear, The National Conference on “ Advances in Civil Engineering Materials and Construction Technology –AMCT-04” held at Shri Sidharth Institute of Technology, TUMKUR, (Karnataka), 21-22 May-2004.**
12. **Londhe R.S., Prasad J. and Ahuja A.K., “ Structural Aspects of Transfer Beams in High-Rise Buildings, The 20th National Convention of Architectural Engineers and National Seminar on “ Planning and Construction of Buildings in Modern India”, organized by The Institution of Engineers (India), Roorkee Local Centre, I.I.T. Roorkee, held on November 1 & 2, 2004.**
13. **Londhe R.S., “ Inducing Ductility In Transfer Beams of High –Rise Buildings, The II Asian Conference – ACECON-2005, organized by The Indian Concrete Journal, Associated Cement Construction Limited, Research and Consultancy Directorate, Thane (Mumbai), on September 23 – 25, 2005.**

INTERNATIONAL LEVEL CONFERENCES: 13

1. **Londhe R.S., “Role of Shear Strength of Concrete in Transfer Beam in High-rise Buildings, The International Conference on “Structural and Transportation Engineering-START-2005” held at I.I.T. Kharagpur in January 3-5, 2005.**
2. **Londhe R.S., “Advanced Engineering Materials Based on Polymer Fiber Reinforcement, The International Conference on “Recent Advances in Composite Materials- ICRACM 2004” held at Institute of Technology, Banaras Hindu University- VARANASI, in December-17-19 2004.**

3. **Londhe R.S., “An Investigation on the Strength and Ductility of Fiber Reinforced Concrete under Shear**, The International Conference on “**Recent Advances in Composite Materials- ICRACM 2004**” held at Institute of Technology, Banaras Hindu University-VARANASI, in December- 17-19 2004.
4. **Londhe R.S., “ Experimental Investigation on Latex Modified Cement Concrete** The International Conference on “ **Advances in Concrete Composites and Structures**” **Structural Engineering Research Center, CSIR campus, Taramani Chennai**, January 6-8, 2005.
5. **Londhe R.S., “ Ductile Behavior Of Steel Fiber Reinforced Concrete**, The International Conference on “ **Advances in Concrete Composites and Structures**” **Structural Engineering Research Center, CSIR campus, Taramani Chennai**, January 6-8, 2005.
6. **Londhe R.S., “ Material Aspects of Transfer Beams in High-Rise Buildings**, The International Conference on, “ **World of Innovations in Structural Engineering – WISE – 2004**” organized by Association of Consulting Civil Engineers (India), Hyderabad and Nagpur Centers, 1-3 December 2004.
7. **Londhe R.S., “ Role of Shear Span-to-depth ratio on Shear Capacity of Transfer Beams in High-rise Buildings** The Third International Conference on, “ **Structural Engineering Mechanics and Computation (SEMC 2007)** ”Cape Town South Africa, 10-12 September,2007.
8. **Londhe R.S., “Waste Concrete as an alternative aggregate for New Concrete “7th International Congress on “Concrete: Construction’s Sustainable Option”** University of Dundee, Scotland, in 4-6 September, 2007.
9. **Londhe R.S. and Tupe D. H. “ Effect of Differential Bracings on the Behaviour of High Communication Tower Under Wind Load”**, Proceedings of the International Conference on **Advances in Mechanical and Building Sciences (ICAMB-2009), in the 3rd Millennium**, organized by School of Mechanical and Building Sciences and Center for Disaster mitigation and Management, VIT University, Vellore, Tamil Nadu, India in association with State University of New York, Farmingdale, USA, December 14-16,2009, pp. 1721 – 1723.
10. **Londhe R.S. and Wasim, “Seismic Response of Reinforced Concrete Tall Buildings”**, Proceedings of the International Conference on **Advances in Mechanical and Building Sciences (ICAMB-2009), in the 3rd Millennium**, organized by School of Mechanical and Building Sciences and Center for Disaster mitigation and Management, VIT University, Vellore, Tamil Nadu, India in association with State University of New York, Farmingdale, USA, December 14-16, 2009, pp. 1745 – 1752.
11. **Londhe R.S. and Londhe P.M.,” Performance of Steel FiberReinforced Concrete Beams under Shear”** CICE2010-The 5th International Confrence on FRP Composites in Civil Engg., Sept. 27-29,2010,Bejing,China.
12. **Londhe R. S. and Pajgade S. A. “Non-linear Static Analysis of Multi-storied RC Framed Buiding with Masonry in filled Configurations”**, Proceedings of the International Conference **ICIWSE-2010 – An International Conference Innovative World of Structural Engineering-**”, during December 25-27, 2010, organized by Department of Applied Mechanics, at Govt. College of Engineering, Aurangabad, Maharashtra, India, pp. 712-719.
13. **Zai S. A. L., Amrnath C. B. , and Londhe R.S. “Laboratory Evaltuinon of Hardened Properties of Pervious Concrete ”**, Proceedings of the International Conference **ICIWSE-2010 – An International Conference Innovative World of Structural Engineering-**”, during

December 25-27, 2010, organized by Department of Applied Mechanics, at Govt. College of Engineering, Aurangabad, Maharashtra, India, pp. 1118-1125.

14. **Lamb P.B. and Londhe R.S.” Seismic Behavior of Soft First Storey”, IOSR-JMCE,Vol.4 No.5,Nov-Dec. 2012,pp.28-33.**
15. **Karwar D.B. and Londhe R.S.,”Performance of RC Framed Structure by using Pushover Analysis, IJETA, Vol 4 issue 6,June 2014, pp.488-491**
16. **Indrajeet Jain and Londhe R. S. “Effect of lateral load on tall buildings & use of outrigger systems”** The Third Biennial UKIERI Concrete Congress – Concrete Research Driving Profit and Sustainability , held during 2-5 November 2015 at Dr B.R. Ambedkar National Institute of Technology Jalandhar (Punjab) India pp.
17. **Indrajeet Jain and Londhe R. S. “Tall buildings with outrigger systems”** Proceedings of the International Conference “ CTMC 2016 – Advances in Concrete Technology-materials and Construction Practices” Department of Civil Engineering, Goa College of Engineering, Goa, held during 22-24 June 2016, India pp.192-193.

NATIONAL LEVEL WORKSHOPS, SEMINARS, SYMPOSIA, TRAININGS AND CONFERENCES ATTENDED

1. Attended **“Technical Teacher’s Training Programme Phase-I”** conducted at Technical Teacher’s Training Institute (T.T.T.I.), Pune, from 22-10-1990 to 16-11-1990.
2. Attended **“Technical Teacher’s Training Programme Phase-II”** conducted at Technical Teacher’s Training Institute (T.T.T.I.), Pune, from 07-10-1991 to 01-11-1991.
3. The certificate course on **“Computer Course in MS-Office with Communication Fundamentals”** organized by Modern Education Society’s, Cusrow Wadia Institute of Technology , Pune, under **Continuing Engineering Education Programme (CEEP)** and sustainability support scheme, Ministry of Information Technology, Govt. of India, 10-28 October, 2000.
4. Passed **Maharashtra State Certificate Course in Information Technology (MSCIT)** examination, conducted by Maharashtra State Board of Technical education, Mumbai, in Dec. 27, 2002.
5. Conference on **“Indian Habitat and Infrastructure: Need for Innovative Approach”** held at CBRI-Roorkee in Sept.10-12, 2003.
6. Workshop on **“Retrofitting of Structures”** held at Department of Earthquake Engg., I.I.T.Roorkee, in Oct.19-20, 2003.

7. National Conference on **“Natural hazards: Earthquakes and Landslides”** held at Wadia Institute of Himalayan Geology, Deharadun in Dec.15-16, 2003.
8. Indian Geotechnical National Conference on **“Geotechnical Engineering for Infrastructural Development”** held at Department of Civil Engg. , I.I.T.Roorkee, in Dec.19-20, 2003.
9. Workshop on **“Revision of I .S. Codes on Liquid Retaining Structures – IS: 3370 – Part-I & II, & IS: 1893”**, organized by The Department of Civil Engineering, I.I.T.Roorkee, on Nov. 10 – 11, 2005.
10. International Workshop on **“Assessing and Teaching for learning in Outcomes-based Engineering Curricula”**, conducted during 24-27 December, 2006 organized at RIT, Sakharale in conjunction with Empowered Learning International, Australia under Technical Quality Improvement Programme (TEQIP) Networking of Institutions,
11. Short term training course on **“Efficient Usage of Laboratory and Laboratory Equipments for Students”** conducted by Asian Institute of Quality Management, at Government College of Engineering, Aurangabad, and 21st – 27th January, 2008.
12. Short term training programme on **“PRE-Engineered Buildings”**, June 10-13, 2008 at Hotel Mayur Sterling Resorts, Lonawala (Maharashtra), organized by Indian Society for Construction and Structures (ISCMS), supported by Department of Civil Engineering, IIT Roorkee and Building Materials and Technology Promotion Council (BMTPC), New Delhi.
13. Training programme on **“Discover Finite Element Analysis Like Never Before”** at S. M. Joshi Sabhagrutha at Pune, conducted on 21 -22 August, 2008 by Finite To Infinite, Pune.
14. QIP Short Term Course on **“Finite Element Method & Application in Civil Engineering”** conducted by IIT Bombay during November 17-21, 2008.
- 15. National Level Symposium on “ Earthquake Safety of Tall Buildings” at International Institute of Information Technology (IIIT) at Hyderabad, December 16, 2008.**
16. One week Short Term Training Programme on **“Modeling & Simulation in Applied Sciences and Engineering (MSASE-09)”** sponsored by MHRD/AICTE, conducted by I.I.I.T & Management, Gwalior during 08-12 Dec.,2009
17. Two week Short Term Training Programme on **“ Genetic Algorithm and Neuro Fuzzy Application in Engineering-GANEUF AE-2011 “** sponsored by ISTE at Govt. College of Engineering, Aurangabad during November 29, to December 2010.
18. One week Short Term Training Programme on **“Performance Based Design of Structures under TEQIP-II ,conducted by VJTI , Matunga, Mumbai during 22-26 March 2012.**

**OTHER ACTIVITIES
AND
EXPERT LECTURES DELIVERDED**

OTHER ACTIVITIES

1. Approved Post Graduate Teacher in Structural Engineering of Dr. B. A. Marathwada University, Aurangabad.
2. Providing consultancy and testing services to the Govt. and Private sectors in this region in the area of construction and structural engineering.
3. Worked as reserve category officer on Committee formed by **The Director of Technical Education, Maharashtra State**, for finalization of Senior and Selection Grade scale of Lecturers, Librarians etc from various Govt. Engg. Colleges, Govt. Polytechnics and Govt. Pharmacy colleges in Maharashtra State.
4. Worked as senior supervisor for different examinations at different institute conducted by Pune and Shivaji University, Kolhapur

EXPERT FACULTY/ MEMBER/LECTURES

1. Invitation for expert faculty for the subject “**Applied Mechanics**” to teach the subject of applied mechanics to the newly and fresh faculty at Bharat-Ratna Indira Gandhi College of Engineering, approved by AICTE New Delhi, newly established (2006) Engineering College, in 6-8 December, 2006.
2. Expert lecture on “**Dynamic Response of Elevated Service Reservoir (ESR)**”, One day Seminar on “ R.C.C. Structure & Architecture”, organized by Beed District Consulting Civil Engineering Association, & Bhandekar Consultant & Engineers Beed, Feb. 24, 2008.
3. Worked as a subject expert for the appointment of Lectures (contract basis) in applied mechanics, Govt. College of Engineering, Jalgaon, Oct. 16, 2008
4. Worked as member of LOA (Letter of Approval) committee appointed by Director of Technical Education, Maharashtra State, Mumbai to establish new polytechnics approved by AICTE, New Delhi, in Marathawada region, for the academic year 2008-09.

DETAILS OF CONSULTANCY WORK

Sr. No.	Name of Agency	Name of Work	Amount	Date
1.	The Executive Engineer M J P Division Aurangabad	Scrutiny of the RCC design and drawing for the construction of Various RCC ESRs Andhaner Water Supply Scheme at Tq.- Kannad, Dist.- Aurangabad under Jalswaraj Stage-II	Rs. 39,500	Sept. 2017
2.	Chief Officer Municipal Council Sonpeth Dist-Parbhani	Third Party Inspection of CC Roads, Retaining Wall, Fire Station Quarter, Workshop, Cabin, Nagri Suvidha Kendra, WBM Road and Shopping Complex under Municipal Council Sonpeth, Dist. Parbhani	Rs. 2,19,846	Sept. 2017
3.	Chief Engineer (O / M) TPS Parali Vajjanath Dis.-Beed	Third Party Inspection/Audit Report of Concrete Road from Gangakhed Road up to Entrance of Unit No. 6 , 7 at NPTPS gate Parali-V	Rs. 2, 32,000	August 2017
4.	Divisional Engineer, S.T. Aurangabad	Report of Structural Stability / Audit of MSRTC Central Work Shop Chikhalthana and Staff Quarters "MOGRA" Building Samarth Nagar in Divisional Office Premises, Aurangabad Division	Rs. 5,95,850	June 2017
5.	Deputy Engineer, MIDC Sub-Division, Osmanabad	Report of Structural Audit of ESR, Class-II , Class III and Class –IV staff quarters ,Osmanabad Industrial area , owned by the MIDC ,Osmanabad	Rs.60,500	Feb. 2017

6.	The Director Forest Training Institute, Jalna	Structural Audit Report of Structural Audit of Elevated Service Reservoir (ESR) of One Litre Capacity Forest Training Institute, Jalna	Rs.9,100	Dec. 2016
7.	The Chief Officer Municipal Council, Kannad Aurangabad	Third Party Inspection Report of ESR and 150 mm diameter pipe line owned by Municipal Council, Kannad	Rs.5,022	Nov. 2015
8.	The Executive Engineer, MIDC Sub-Division, Parbhani	Report of Structural Audit of ESRs and Class-III and Class –IV staff quarters owned by the MIDC at Parbhani	Rs.53,580	Oct. 2015
9.	M/s. S. R. Chechani Jalna	Scrutiny of design & drawings of Steel tank staging for ready made prefabricated tank of capacity 26000 litre for Trimbak Water Supply Scheme for Sinhasha 2015-16 at Tq. Trimbak, Dist. Nashik	Rs. 5,000	Jan.2015
10	The Deputy Engineer & PA-(I), MIDC Circle Office,Aurangabad	Structural Audit Report of flatted buildings owned by the MIDC, Aurangabad	Rs.1,00,000	02/01/2015
11	The Deputy Engineer & PA-(I), MIDC Circle Office, Aurangabad	Structural Audit Report of Structural Audit of flatted buildings owned by the MIDC	Rs.1,00,000	Dec. 2014
12	The Deputy Engineer MIDC, Sub-Division No. 1, Butibori,Nagpur	Scrutiny of the RCC design and drawing for the construction of RCC Manhole Chambers & Walkway and Hydraulic design of pipe line for Apparel park at Butibori, Nagpur industrial area.	Rs. 5,000	03/12/2014
13	The Executive Engineer, MIDC Sub- Division, Latur	Structural Audit Report of Structural Audit of ESR , GSR and buildings owned by the MIDC	Rs.1,12,360	Nov.2014

14	The Municipal Commissioner NandedWaghala Municipal Corporation, Nanded	Structural Audit Report of Janta Market owned by NandedWaghala Municipal Corporation, Nanded	Rs.1,25,000	June 2014
15	The Executive Engineer, Maharashtr Jeevan Prdhikaran, City & Rural Department, Aurangabad	Scrutiny of the RCC Design and drawing for the construction of RCC sump of capacity 1.20 lakh Liters at Kanchanwadi PWD Officer's Quarters , Tal.-& Dist. Aurangabad	Rs.5,000	17/05/2014
16	The Municipal Commissioner NandedWaghala Municipal Corporation, Nanded	Structural Audit Report of Janta Market owned by andedWaghala Municipal Corporation, Nanded	Rs.1,25,000	18/06/2014
17	The Executive Engineer, MIDC Division, Nanded	Structural Audit Report of Jack Well, WTP,ESR , Office Building, Staff Quarters & Guest house in MIDC , Nanded industrial area	Rs.1,70,000	17/06/2014
18	The Executive Engineer, MJP, City & Rural Scheme Dept, Aurangabad	Scrutiny of the design and drawing for the construction of 12.50 m High-Mast	Rs. 5,000	17/05/2014
19	Chief Executive Officer Cantonment Board Aurangabad-431002	Providing supervision and third party inspection for construction of 2-Nos. ESR at cantonment area.	Rs.1,85,394	30/03/2014
20	The Deputy Engineer & PA (I), MIDC Civil Division,	Structural audit of various Load bearing buildings MIDC colony, Aurangabad	Rs.1,68,540	18/02/2014

	Aurangabad			
21	M/S Deogiri Consultants, Aurangabad	Testing of RCC 450 mm diameter NP2 Pipes at Sagar Sun Pipes, MIDC Waluj, Aurangabad	Rs.2,809	26/12/2013
22	The Bhandekar Consultant & Engineers, Beed	Scrutiny of the RCC design and drawing for the construction of RCC Percolation Well	Rs. 3,000	22/11/2013
23	The Manager, Afita Construction, Pvt. Ltd., Andheri-Mumbai.	Destructive and Non-Destructive test of RCC Slab at IIPCA, H-4 Lab, MIDC, Waluj ,Aurangabad	Rs. 10,000	23/10/2013
24	The Chief Officer Municipal Council Vaijapur	Third party audit of water supply scheme of Vaijapur Municipal Council Vaijapur	Rs. 2,250	10/09/2013
25	The Executive Engineer (WS), Z.P.Aurangabad	Scrutiny of the RCC design and drawing for the construction of RCC ESR of 70,000 Liter Capacity at Babhulgaon, Tq.- Gangapur, Dist.: Aurangabad ,for ZP Water supply Scheme in Aurangabad district.	Rs. 10,000	10/09/2013
26	The Director Golden Dreams Technopark Pvt. Ltd. Aurangabad	Non-Destructive Test (NDT) for the RCC Members for Second Floor of Indus World School- F4/1, Chikalathana Aurangabad.	Rs. 16,854	29/07/2013
27	The President Water Supply and Sanitation Committee Navgaon Taq. Paithan	Scrutiny of the RCC design and drawing for the construction of RCC Jack	Rs. 9,000	18/05/2013
28	The Manger, Murlu Industries Ltd., Nagpur	Non-Destructive Test (NDT) for the Work of Construction of RCC Multi-storey Building at Hingoli, Dist. Nanded	Rs. 20,000	04/12/2012

29	The General Manager United Spirit Limited, MIDC, Aurangabad	Non-Destructive Test (NDT) Observations of Fire Affected Building located at MIDC, Aurangabad	Rs. 3,00,000	03/08/2011
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POST-GRADUATE THESIS: EVALUTION /SUPERVISION:

Sr. No.	Name of student	Title of Thesis	Year of Completion	University
1	Chaurpagar	Study of Polymer Modified Recycled Aggregate Concrete With Steel Fibers	2002	Shivaji
2	Tayade	Study of Polymer Modified Recycled Aggregate Concrete With Polypropylene Fibers	2002	Shivaji
3	Awasmal	Analysis and Design of Differentially Braced Communication Towers	2007	Dr.BAMU
4	Guhilot	Seismic Analysis of Multi-Stored Buildings Stiffened With Braces	2007	Dr.BAMU
5	Mali	Reliability Analysis of RC Structural Components with Stochastic Modeling of load combinations.	2008	Pune
6	Inamdar	Experimental Investigation on SFRC Beams Reinforced with Longitudinal Steel	2008	Dr.BAMU
7	Chavan	Analysis of Multi-storey Building with Steel Plate Shear Wall	2008	Dr.BAMU
8	Tupe	Effect of Differential Bracings on the Behaviour of High Communication Tower under Wind Load	2009	Dr.BAMU
9	Wasim	Seismic Response Of Reinforced Concrete Tall Buildings	2009	Dr.BAMU
10	Muralidharan C.R.	Residual Life Estimation of SBR-Latex Modified Steel Fiber Reinforced Concrete Beam Under Dynamic Loading	2009	Bangalore
11	Chirmade	Retrofitting Performance of Glass Fiber Reinforced	2010-11	Pune

	R.R.	Polymer Column		
12	Srishaia J.M.	An Expert System for Mix Proportioning of High Performance Concrete-A Rational Approach	2011	Banglore
13	Prakash T.B.	The Strenght Behaviour of Concrete Contaning Manufactured Sand with and without Fibers	2011	Banglore