

Department of Civil Engineering

Faculty Profile

Prof. (Dr.) Manisha Vaibhav Waghmare

Ph.D. (Civil Engineering)

Associate Professor

PG Coordinator

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Research Areas / Areas of Interest

Structural Engineering, Earthquake Engineering, Structural Dynamics, Structural Vibration Control, Design of Structures

Personal Details

Domicile: Maharashtra

Gender: Female

Blood Group: O+ve

Contact Details: Department of Civil Engineering, AISSMS College of Engineering, Pune

Academic Background

S. NO.	Qualification	Specialization	Institute /University	Class /Grade	Year of Passing
1	Ph.D.	Civil Engineering	Savitribai Phule Pune University (SPPU) Pune	Awarded	2021
2	M.E.	Civil - Structural Engineering	College of Engineering Pune (COEP)	64.33	2006
3	B.E.	Civil Engg.	College of Engineering Pune (COEP)	60.87	2001
4	HSC	Science, Maths, Computer science	Maharashtra State Board Pune	77.17	1997
5	SSC	Science, Maths, English	Maharashtra State Board Pune	87.71	1995

Work Experience

S. No.	Type of Experience	Years	Months
1	Teaching	20	00
2	Research	00	00
3	Industry	1	01
4.	Teaching at PG level	13	--
Total		21	01

PhD / ME / BE Student Guided for Project

Level	Ph.D.	M.E. (PG)	B.E. (UG)
No. of Student guided	03 (Pursuing)	68 (Awarded)	34(Awarded)

Patents/IPR Filed/ Granted

S. No	Investigator Details	Title	Year	Status (Filed/Granted)	Details
1.	1) Dr. Suresh R Parekar 2) Dr. Avinash S Pant 3) Mr. Prashant V. Deshmukh 4) Dr. Manisha V Waghmare 5) Dr. Sneha P Khedekar 6) Dr. Kalyani N Kulkarni	System and Method for estimating torsional strength of steel fiber reinforced concrete (SFRC)	2026	Published Publication Date: 17/04/2026	Application No. 202521097579 A Date of filing of Application: 09/10/2025 -

Research Publications

	National	International	State	SCI/ Scopus Indexed	UGC Approved
Journals	8	16	-	05	07
Conferences	10	2	-	10	-

Publication Details (Journals) - 24

S. N o	Document Details	Authors	Year	Source Details	ISBN/ ISSN	Publisher
01	<i>Behavior of Elevated Water Tank under Sloshing Effect</i>	M. V. Waghmare and S. N. Madhekar	2013	International Journal of Advanced Technology in Civil Engineering, Vol. 1, No. 4, (2013), citations 13, h-index 02	ISSN: 2231-5721	
02	<i>“Seismic Analysis of High-Rise Building Using Negative Stiffness Device”</i> ,	A. H. Raheja, M. V. Waghmare and U. R. Awari,	2015	International Journal of advance foundation and research in science and engineering, (2015), citations 04	ISSN: 2349-4794,	
03	<i>“Study of Seismic performance of base isolated RCC structure using fibre reinforced elastomeric Isolator-A review”</i> ,	Gunjan Donode and M.V. Waghmare	2018	International Research Journal of Engineering and Technology, (2018)	ISSN: 2395-0056	IRJET
04	<i>“Semi-Active Fluid Viscous Dampers for Seismic Mitigation of RC Elevated Liquid Storage Tanks”</i>	M. V. Waghmare, S. N. Madhekar, and V. A. Matsagar,	2019	International Journal of Structural Stability and Dynamics, Vol. 19, No. 3, DOI: 10.1142/S0219455419500202(2019) (<i>SCI and Scopus</i>), citations 20		World Scientific Publishing
05	<i>“Nonlinear Analysis of RC structure under Multiple Earthquakes”</i> ,	Shesalu Vadeo and M. V. Waghmare	2019	International Journal for Modern Trends Science and Technology, (2019), citations 05	ISSN: 2455-3778	IJMTM ST
06	<i>“Seismic Analysis of Diagrid and Buckling restrained Braced structural System”</i> ,	S. P. Biradar and M. V. Waghmare	2019	International Journal for Modern Trends in Science and Technology, (2019)	ISSN: 2455-3778	IJMTM ST

07	<i>“Influence of Nonlinear Fluid Viscous Dampers on Seismic Response of RC Elevated Storage Tanks”</i>	M. V. Waghmare S. N. Madhekar, and V. A. Matsagar	2020	Civil Engineering Journal, Vol. 6, Special Issue "Emerging Materials in Civil Engineering" DOI: http://dx.doi.org/10.28991/cej-2020SP(EMCE)-09 , (2020) (SCI and Scopus), citations 14	ISSN: 2476-3055	Salehan Institute of Higher Education
08	<i>Analyzing Efficiency of Aerodynamic Shapes of Buildings using ETABS Software</i>	Junaid Naushad Shikalgar, Manisha V. Waghmare	2021	International Research Journal of Engineering And Technology (IRJET) Volume 8, Issue 7, July 2021, (UGC care)		IRJET
09	<i>“Performance of RC elevated Liquid Storage Tanks Installed with Semi- Active Pseudo- Negative Stiffness Dampers”</i>	M. V. Waghmare, S. N. Madhekar, and V. A. Matsagar,	2022	Structural Control and Health Monitoring, Vol. 29, Issue 4, Wiley publication, (April 2022) (SCI and Scopus), citations 11	Online e ISSN: 1545-2263	Wiley
10	<i>“Strengthening of RC Column using GFRP”</i>	Shubham Shukla, and M. V. Waghmare	2022	International Journal for Research in Applied Science & Engineering Technology, Vol. 10, Issue 3, (March 2022)	Online ISSN: 2321-9653	
11	<i>“Experimental Study of Crack Patterns of Composite Slabs”</i>	Darpan Karmare, and M. V. Waghmare,	2022	Dickensian Journal, Vol. 22, Issue 6, (June 2022) (UGC care)	Online ISSN: 0012-2440	Institute of Technology, School of Management Sciences, Lucknow
12	<i>“Analysis of Offshore Jacket Structure with Tuned Mass Damper”</i>	Sheetal Y. Diwase, and M. V. Waghmare,	2022	Dickensian Journal, Vol. 22, Issue 7, (July 2022) (UGC care)	Online ISSN: 0012-2440	
13	<i>Dynamic Analysis of Cantilever Retaining Wall,</i>	Prajakta Patil, and M. V. Waghmare,	2022	SAMRIDDHI: A Journal of Physical Sciences, Engineering and Technology Volume 14, Special Issue 2, 2022.	Print ISSN: 2229-7111 Online ISSN: 2454-5767.	Institute of Technology, School of Management Sciences, Lucknow

14	<i>Ultrasonic Pulse Velocity Test on Hybrid Fiber Reinforced Concrete,</i>	Kanchan D. Vajanam, and M. V. Waghmare,	2022	SAMRIDDHI: A Journal of Physical Sciences, Engineering and Technology, Volume 14, Special Issue 2, 2022	Print ISSN: 2229-7111 Online ISSN: 2454-5767	Institute of Technology, School of Management Sciences, Lucknow
15	<i>Analysis of Rectangle Bridge Pier for Different Velocities,</i>	Snehal Helkar, and M. V. Waghmare,	2022	SAMRIDDHI: A Journal of Physical Sciences, Engineering and Technology, Volume 14, Special Issue 3, 2022	Print ISSN: 2229-7111 Online ISSN: 2454-5767	Institute of Technology, School of Management Sciences, Lucknow
16	<i>Effect of Post Tensioning On Long Span Precast Beam,</i>	Abhijeet Mane, and M. V. Waghmare	2022	SAMRIDDHI: A Journal of Physical Sciences, Engineering and Technology, Volume 14, Special Issue 3, 2022	Print ISSN: 2229-7111 Online ISSN: 2454-5767	Institute of Technology, School of Management Sciences, Lucknow
17	<i>Early age evolution and Prediction of compressive Strength of concrete</i>	Dnyanesh Nikam, D. V. Wadkar, and M. V. Waghmare	2023	International Journal of Novel Research and Development (IJNRD), Volume 8, Issue 7, July 2023	ISSN: 2456-4184	IJNRD
18	<i>Seismic analysis of RC structure by considering soil structure interaction (SSI)</i>	Sushant Khot, M. V. Waghmare	2023	International Research Journal of Engineering and Technology (IRJET) Volume: 10 Issue: 07, July 2023	e- ISSN: 2395-0056	IRJET
19	<i>Effect of Frequency Content of Earthquake Ground Motions on Structures with Varying Dimension</i>	K. N. Bajad and M. V. Waghmare	2022	ISSET Journal of Earthquake Technology, Vol. 59, Issue 2 ISSN 0972-0405 UGC CARE List	ISSN 0972-0405	Indian Society of Earthquake Technology, IIT Roorkee
20	<i>Seismic Response of RC Elevated Liquid Storage Tanks Using Semi-active Magneto-rheological Dampers.</i>	M. V. Waghmare, S. N. Madhekar, and V. A. Matsagar	28 DEC 2022	Recent Trends in Construction Technology and Management. Lecture Notes in Civil Engineering, Vol 260, Springer, Singapore.	ISSN 2366-2557	Springer, Singapore.

				ISSN 2366-2557 (SCOPUS)		
21	<i>Optimal Position of Hybrid Outrigger in High-Rise Building</i>	Aniket Sukare M. V. Waghmare,	July 2025	The Indian Journal of Technical Education (IJTE), Vol. 48, Special Issue 3, ISTE publication ISSN:0971-3034 UGC CARE List	ISSN:0971-3034	ISTE publication
22	<i>Seismic analysis of Buckling-restrained Braced diagrid structures</i>	Soham Patil and M. V. Waghmare,	July 2025	The Indian Journal of Technical Education (IJTE), Vol. 48, Special Issue 1, ISTE publication ISSN:0971-3034 UGC CARE List	ISSN:0971-3034	ISTE publication
23	Investigate the Compressive Performance of Fiber Reinforced Concrete	Ruchita Salunkhe, M V. Waghmare, and S. R. Parekar	2025	IOP Science Journal of Physics: Conference Series, Vol. 3076, Issue 01 (SCOPUS)	ISSN: 1742-6596	IOP Publishing Ltd
24	<i>The Integration of Artificial Intelligence into Interdisciplinary Engineering Curricula and Industry Readiness</i>	<i>M. V. Waghmare, S. H. Wankhade, D. S. Bormane</i>	2026	<i>Journal of Effective Teaching and Learning Practices. 2026;3(Sp1):122-125</i>	eISSN: 3048-9601	RK University Kasturbadham, Rajkot Bhavnagar Highway Rajkot, Gujarat

Publication Details (Conferences) - 30

S. No	Document Details	Authors	Year	Conference Details	ISBN	Organised by
International Conference (19)						
01	Stresses Induced in elevated water tank due to seismic loading,	M. V. Waghmare and S. N. Madhekar	28 th - 30 th November 2013	4 th Nirma University International Conference on Engineering, NUiCONE-2013, Nirma University, Gujrat. 28 th -		Nirma University, Ahmadabad, Gujrat.

				30 th November 2013		
02	Seismic response of reinforce concrete buildings with couple building control,	Sushma Devadkar and M. V. Waghmare	22 nd -24 th December, 2014	Structural Engineering Convention, IIT Delhi, page no 208, 22 nd -24 th December 2014	ISBN 978-93-84898	IIT Delhi,
03	Passive damper for seismic Control of elevated water Tank,	S. B. Funde and M. V. Waghmare	22 nd -24 th December, 2014	Structural Engineering Convention, IIT Delhi, page no 239, 22 nd -24 th December 2014		IIT Delhi,
04	Vibration control of elevated water tanks using viscous dampers,	M. V. Waghmare, S. N. Madhekar, and V. A. Matsagar	28 th -30 th May 2015	International Conference on Industrial Instrumentation and Control, COEP page no. 218,	ISBN: 978-1-4799-7165-7/15	COEP
05	Seismic control for elevated liquid storage tanks using roll-n-cage isolator,	Mayur Khandve and M. V. Waghmare	28 th - 30 th May 2015	International Conference on Industrial Instrumentation and Control, COEP, page no. 182	ISBN: 978-1-4799-7165-7/15,	COEP
06	Vibration Control of Structures using Customized Approach for Tuned Liquid Damper	Rajarshi Aich, Sonali Rokade and M. V. Waghmare	19 th - 21 st Decemb er 2018	11 th Structural Engineering Convention, Jadhavpur University, Kolkata, paper no.20180049,		Jadhavpur University, Kolkata
07	Manufacturing of an Economical Single Degree-of-Freedom Shake Table	K. N. Bajad and M. V. Waghmare	26-28 Sept 2019	International Conference on Recent trends and Innovations in Civil Engineering at Medi-Caps University, Indore, (MP)		Medi-Caps University, Indore
08	Effect of dam reservoir interaction on response of dam subjected to dynamic analysis,	P. D. Girme and M. V. Waghmare	26-28 Sept 2019	International Conference on Recent trends and Innovations in Civil Engineering at Medi-Caps University, Indore, (MP)		Medi-Caps University, Indore
09	Numerical analysis of shape-memory alloy-wire based smart natural rubber bearing,	P. M. Ujalambe and M. V. Waghmare	21 th -22 nd November 2019	7 th Nirma University International Conference on engineering, NUiCONE		Nirma University, Ahmadabad, Gujrat.
10	Seismic Response of	M. V.	11-12	Proceedings of		Department

	RC Elevated Liquid Storage Tanks using Semi-Active Magneto-Rheological Dampers,	Waghmare, S. N. Madhekar, and V. A. Matsagar,	March 2021.	International Conference on Advances in Construction Technology and Management (ACTM 2021)		of Civil Engineering, College of Engineering Pune (COEP)
11	Evaluation of Mechanical Properties of Bendable Concrete	Shreyas S. Gundecha and M. V. Waghmare	19 th August 2021 to 21 st August 2021	“International e-Conference on Sustainable Development in Concrete Technology ICSDCT 2021” Sponsored by All India Council for Tech. Education (AICTE), New Delhi		Organized by Department of Civil Engineering, D. Y. Patil College of Engineering, Akurdi, Pune
12	Effect of Frequency Content of Earthquake Ground Motions on Structures with Varying Dimension,	K. N. Bajad and M. V. Waghmare	19-22 December 2022	ASPS Conference Proceedings, Volume 1, Issue 2, Proceedings of 12 th Structural Engineering Convention-An International Event (SEC 2022), Malaviya National Institute of Technology, Jaipur, Rajasthan, 19-22 December 2022.	ISSN 2830-909X	Malaviya National Institute of Technology, Jaipur, Rajasthan
13	Non-linear Dynamic Analysis of RC Structures Under Earthquake Sequences,	Shesalu D. Vadeo and M. V. Waghmare	19-22 December 2022.	ASPS Conference Proceedings, Volume 1, Issue 2, Proceedings of 12 th Structural Engineering Convention-An International Event (SEC 2022), Malaviya National Institute of Technology, Jaipur, Rajasthan, 19-22 December 2022.	ISSN 2830-909X	Malaviya National Institute of Technology, Jaipur, Rajasthan
14	Experimental Investigation of Magneto-rheological damper,	Krishna S. Brahma, M. V. Waghmare	19-22 December 2022	ASPS Conference Proceedings, Volume 1, Issue 5, Proceedings of 12 th Structural Engineering Convention-An International Event (SEC 2022), Malaviya National Institute of Technology, Jaipur, Rajasthan, 19-22 December 2022	ISSN 2830-909X	Malaviya National Institute of Technology, Jaipur, Rajasthan
15	Comparative Study of Shear Wall and Tuned	S. Y. Diwase,	19-22 December	Proceedings of 12 th Structural Engineering	ISSN 2830-	Malaviya National

	Mass Damper on Seismic Response of RC Space Frame,	M. V. Waghmare	2022	Convention-An International Event, (SEC 2022)	909X	Institute of Technology, Jaipur, Rajasthan
16	Nonlinear Seismic Analysis of RC Elevated Liquid Storage Tanks,	Waghmare, M. V., Madhekar, S. N., and V. A. Matsagar	19-22 December 2022	ASPS Conference Proceedings, Volume 1, Issue 5, Proceedings of 12 th Structural Engineering Convention-An International Event (SEC 2022), Malaviya National Institute of Technology, Jaipur, Rajasthan, 19-22 December 2022	ISSN 2830-909X	Malaviya National Institute of Technology, Jaipur, Rajasthan
17	Enhancement in Seismic Isolation Using U-ShapeMetallic Isolator”	Kalyani Chavne, A. A. Manchalwar, M V Waghmare,	9-10 February 2024	International Conference on Recent Trends in Infrastructural Development and Sustainable Materials (IC-RTIDSM-		G. H. Raisoni College of Engineering, Nagpur
18	Review Of Magnetorheological Dampers: An Analytical Comparison Of Bouc-Wen And Modified Bouc-Wen Models For Seismic Resilience	Nayan Dhake, M V. Waghmare, U R Awari	23rd - 24th April 2024	12th International Confeience on Recent Challenges in Engineering and Technology (ICRCEI'-24), Bangalore, India		Institute For Educational Research and Publication (IFERP)
19	Reduction Of Anchorage Stresses By Incorporating Aramid Fibres in Post-Tensioned Beams.	Sujit Nazirkar, Manisha Waghmare	26 th - 27 th April 2026	17th International Conference On “Science And Innovative Engineering – 2026” (ICSIE – 2026)	978-81-69206-38-9	Organization of Science and Innovation Engineering & Technology (OSIET), Chennai
20	Seismic Performance Assesment of Fixed base Base isolated and TMD Equipped Buildings	Sonal Jagtap, Priti Satarkar, and Manisha Waghmare	17 th - 18 th April 2026	3rd International Conference on Advances in Engineering and Medical Sciences ICAEM 2026,	978-81-69206-65-5	International School of Technology and Sciences for Women, Rajamahendravaram, Andhra Pradesh, India in Collaboration with Samarkand State University, Uzbekistan, and University of Technology and Applied Sciences, Ibri, Sultanate of Oman
National Conference (10)						
21	<i>Behavior of Elevated</i>	M. V.	12 th 13 th	XII ISTE		JSPM

	<i>Water Tank under Seismic Loading,</i>	Waghmare, B. G. Birajdar, and R. C. Pathak	Jan 2008	(Maharashtra & Goa Section) Convention & National Seminar,		Group Institutes, Wagholi, Pune
22	Seismic response of base-isolated liquid storage tank by using roll-n-cage isolator,	Mayur Khandave and M. V. Waghmare	2014	15 th Symposium on Earthquake Engineering		IIT Roorkee
23	<i>Seismic analysis of Dam –Reservoir Interaction using ANSYS,</i>	Avanti Arakal and M. V. Waghmare	2015	National Conference on Technical Revolution		Annantrao Pawar COE and Research, Pune
24	Non-linear time history analysis of multistory building using passive vibration control,	Siddharth Dighe and M. V. Waghmare	22 nd - 23 th April 2015	International conference on Emerging Trends in Civil Engineering-		Tulsiramji Gaikwad Patil College of Engineering and Technology, Nagpur
25	<i>Seismic Analysis of Air Traffic Control Tower,</i>	A. D. Saravde and M. V. Waghmare	27 th - 28 th February 2019	Panchatatva in Civil Engineering, Integrating five elements of nature for sustainable development,	ISBN 978-93-87901-06-3,	Sinhgad College of Engineering, Pune
26	<i>Comparative Analysis of Diagrid Structural System and Conventional Structural System,</i>	S. P. Biradar and M. V. Waghmare	27 th - 28 th February 2019	Panchatatva in Civil Engineering, Integrating five elements of nature for sustainable development,	ISBN 978-93-87901-06-3,	Sinhgad College of Engineering, Pune
27	<i>Effect of Post Tensioning On Long Span Precast Beam,</i>	Abhijeet Mane, and M. V. Waghmare	20 May 2022	Conference Proceedings of National Conference on Innovation in Engineering and Technology 2022 (NCIET2022),		AISSMS College of Engineering, Pune
28	<i>Dynamic Analysis of Cantilever Retaining Wall,</i>	Prajakta Patil, and M. V. Waghmare,	20 May 2022	Conference Proceedings of National Conference on Innovation in Engineering and Technology 2022 (NCIET2022),		AISSMS College of Engineering, Pune
29	<i>Analysis of Rectangle Bridge Pier for Different Velocities.</i>	Snehal Helkar, and M. V. Waghmare	20 May 2022	Conference Proceedings of National Conference on Innovation in		AISSMS College of Engineering, Pune

				Engineering and Technology 2022 (NCIET2022),		
30	<i>Study of Ferrocement in Construction: Review Paper,</i>	Sarvesh Jadhav, and M. V. Waghmare	20 May 2022	Conference Proceedings of National Conference on innovation in Engineering and Technology 2022		AISSMS College of Engineering,

Books Published

S. No	Title	Name of the Publisher	ISBN/ISSN Number
01	M. V. Waghmare, S. N. Madhekar, and V. A. Matsagar, <i>Behaviour of Elevated Water Storage Tanks Under seismic Events</i> , Advances in structural Engineering, Dynamics, volume-II pp 1167-1176 2015 (2015)	(Springer-Scopus)	Print ISBN no. 978-81-322-2192-0, Online ISBN no. 978-81-322-2193-7.
02	K. N. Bajad and M. V. Waghmare, <i>Manufacturing of an Economical Single Degree-of-Freedom Shake Table</i> , Recent Trends in Civil Engineering, Editor: Pathak K.K., Bandara J.M.S.J., Agrawal R. Publisher Name : Springer, (Sept 2020)	(Springer-Scopus)	Singapore Print ISBN 978-981-15-5194-9 Online ISBN 978-981-15-5195-6
03	P. D. Girmé and M. V. Waghmare, <i>Effect of dam reservoir interaction on response of dam subjected to dynamic analysis</i> , Recent Trends in Civil Engineering, Editor: Pathak K. K., Bandara J.M.S.J., Agrawal R. Publisher Name: Springer, Singapore (Sept 2020)	(Springer-Scopus), citations 3	Print ISBN 978-981-15-5194-9 Online ISBN 978-981-15-5195-6
04	P. M. Ujalambe and M. V. Waghmare, <i>Numerical analysis of shape-memory alloy- wire based smart natural rubber bearing</i> , Technologies for Sustainable Development: Proceedings of the 7th Nirma University International Conference on Engineering, Editors: Mahajan, Patel and Sharma, (2020)	Publisher: Taylor & Francis Group, London, (CRC Press)	ISBN 978-0-367-33737-7
05	Chavane, K., Manchalwar, A.A., Waghmare, M.V., <i>Enhancement in Seismic Isolation Using U-Shape Metallic Isolator</i> , Innovations in Technologies: Pioneering Sustainable Infrastructure for a Resilient Future. IC-RTIDSM 2023. . Editors: Khode, B.V., Kurwadkar, S., Pawade, P., Ghodmare, S.D., Khan, H.A. (eds) 2023	Springer, Cham. https://doi.org/10.1007/978-3-031-82133-2_27	ISBN: 978-3-031-82133-2

Research Grants Received

Sr. No.	Program	Duration	Funding Agency	Grant Amount
1	Study of Earthquake induced waves in circular water tanks with various staging height Co-Investigator: Sonal A Kothari	2014-16	BCUD, SPPU, Pune,	Grant received Rs. 200000/- (Rs. 2 lakhs only).
2	Manufacturing of Lead rubber bearing	2014-2015	Dr. S. N. Madhekar, COEP,	Rs. 40,000/- (Rs. Forty thousand only)
3	Conduction of experiments on Shake table for ME Structures	27/12/2019	KJ Educational Institutes, K J College of Engineering and Management Research	Rs 20000/- (Rs. Twenty thousand only)
4	FDP on Earthquake Engineering and Vibration Control	11-16 December 2023	AICTE- ATAL Academy, New Delhi	Grant received Rs. 350000/- (Rs. 3 lakhs Fifty thousand only).

Professional Memberships

Professional Body	Level (National/ International)	Type (Fellow/Life/Annual)	Membership No.
ISTE	National	Life membership	LM 55117
ISET	National	Life membership	LM 1691
IEI	National	Life membership	M-1596009
SESI	National	Life membership	LM/2511/2021

Details of Workshop / STTP / FDP / Seminar / Conferences Organized

S.N o	Title	Type	Duration	Level (State/National / International)	Sponsoring Agency
01	One-week ISTE National level Short Term Training Program (STTP) on <i>“Planning and Design For Green Building Energy Simulation”</i>	STTP	11 th - 16 th , March 2013	National	ISTE and Imperial College of Engineering and Research, Wagholi
02	<i>“Revision BE Civil (2012 Course) Syllabus drafting”</i>	Workshop	10 th , June 2015	State	BOS Civil Engineering, SPPU, Pune and Department of Civil Engineering, AISSMS COE, Pune
03	Post Graduate Conference <i>“PGCON 16”</i> at Department of Civil Engineering, AISSMS COE, Pune,	Conference	9 th -10 th , June 2016	University	BOS Civil Engineering, SPPU, Pune and Department of Civil Engineering, AISSMS COE, Pune
04	<i>“Engineering Geological Investigation at Tunnel site”</i> by Dr. P D Sabale, Department of Archaeology, Deccan College Post Graduate and Research Institute, Pune	Webinar	21 May 2020	State	Department of Civil Engineering AISSMS COE, Pune
05	<i>“Precast Mass Housing Construction”</i> by Col. Sanjay M. Adsar, General Manager (Engineering Planning and Design), B. G. Shirke Construction Technology Pvt Ltd, Pune (India)	Webinar	05 June 2020	State	Department of Civil Engineering, AISSMS COE, Pune
06	2nd Hybrid National Conference on Innovation in	Conference	20 May 2022	National	AISSMS COE, Pune

	Engineering and Technology (NCIET 2022)				
07	Organized International Conference on Green Energy 2023 organized as a member of Organizing Committee at AISSMS COE, Pune,	Conference	16-17 May 2023.	International	Western Regional Chapter of Solar Energy Society of India
08	Organized One-week National level faculty development program on “Earthquake Engineering and Vibration Control” funded by AICTE Training and Learning (ATAL) Academy	FDP	11 December 2023- 16 December 2023	National	AICTE ATAL academy
09	Organized One-Day Workshop on “Analysis and Design of Elevated Water Tanks” in association with Institution of Engineers (India) - Pune Local Centre Indian Society of Earthquake Technology - Pune Chapter on	One-Day	11 April 2025	University	AISSMS COE, Pune in association with Institution of Engineers (India) - Pune Local Centre Indian Society of Earthquake Technology - Pune Chapter
10	One-week ISTE National level Short Term Training Program (STTP) on “ Integrated Water Resources Management: Modelling & Flood Decision Support Systems ”	One week	23rd - 27th March 2026	National	Civil Department, AISSMS College of Engineering, Pune

S. N	Title	Type	Duration	Organizer	Sponsoring Agency
01	<i>“Concrete Mix Design”</i>	Workshop	16 th Sept to 18 th Sep.2003.	Govt. College of Engineering, Pune from	Gujarat Ambuja Cement
02	<i>“Workshop on Earthquake Resistant Design of RC Buildings”,</i>	STTP	17 -21 st December 2007	Department of Applied Mechanics, Govt. College of Engineering, Pune	ISTE
03	<i>“XII ISTE (Maharashtra & Goa Section) Convention & National Seminar”</i>	Convention	12-13th Jan 2008	JSPM Group Institutes, Wagholi, Pune	ISTE
04	<i>“Implementation of revised Syllabus of the subjects Basic Civil & Environmental Engg and Engineering Mechanics”</i>	Workshop	9 th April 2008	G.H.Raisoni Institute of Engg and Technology, Pune)	Board of Studies, Civil Engineering (University of Pune)
05	<i>“Provisions in IS-456 (Revised 2000) and its Implications”</i>	Workshop	20 th September 2008	JSPM’s Rajarshi Shahu College of Engineering, Pune	Board of Studies, Civil Engineering (University of Pune)
06	Workshop on <i>“Engineering Mechanics – Effective Teaching Methodology”</i>	Workshop	8 th -9 th January 2009	Department of Civil Engineering, Vishwakarma Institute of Information Technology, Pune	Board of Studies, Civil Engineering (University of Pune)
07	National workshop on <i>“Design of steel Structures using revised IS 800: 2007 (Code of practice for General Construction in Steel)”</i>	Workshop	from 30 th June -4 th July 2009	Department of Civil Engineering, Sinhgad College of Engineering, Pune	Board of Studies, Civil Engineering (University of Pune)
08	Three-day workshop on <i>“Blast Resistant Design of Structures”</i>	Workshop	10 th to 12 th January 2014	Department of Civil Engineering, COEP	TEQUIP-II
09	Two days International workshop on <i>‘Emerging</i>	Workshop	20 th and 21 st Dec.	Department of Civil	TEQUIP-II

	<i>Trends in Earthquake Engineering and Structural Dynamics</i> ”,		2014	Engineering, IIT Delhi	
10	<i>“Structural Dynamics and Earthquake Resistant Design”</i> ”,	Workshop	29 th and 30 th July 2016	Department of Civil Engineering, MAEER’s MIT, Pune	MAEER’s MIT, Pune
11	One day faculty development program on <i>“Water Management and Energy Conservation”</i> ”,	FDP	14 July 2018	AISSMS COE, Pune	AISSMS COE, Pune
12	One day workshop on <i>“Design of PT Flat Slabs and Introduction to Vibration and Earthquake Analysis”</i> ”,	Workshop	28 July 2018	Department of Civil Engineering, Sinhgad college of Engineering, Pune,	Board of Studies, Civil Engineering (University of Pune)
13	Two day National seminar on <i>“Environment and Green Technology for Sustainable Development”</i> ”,	Seminar	18 th to 19 th January 2019	Department of Chemical and Civil Engineering, AISSMS COE, Pune	AISSMS COE, Pune
14	One-week faculty development program on <i>“Vision-Mission-PEO-PSO-PO-CO: Framing, Mapping, Assessment and Attainment”</i> ”,	FDP	10 th to 15 th June 2019	CETL, AISSMS COE, Pune	ISTE
15	One-week FDP on <i>“Outcome based Curriculum design”</i>	FDP	9 th to 13 th December 2019	CETL, AISSMS COE, Pune	AISSMS COE, Pune
16	One-week Online FDP on <i>"Artificial Intelligence"</i>	FDP	24 April 2020 to 28 April 2020	AICTE Training and Learning (ATAL) Academy and Indian Institute of Information Technology (IIIT Nagpur	AICTE Training and Learning (ATAL) Academy
17	One-week Online Faculty Development Program on <i>“Open FOAM”</i>	FDP	28 April 2020 to 04 May 2020	AISSMS College of Engineering, Pune	Spoken Tutorial Project, IIT Bombay.

18	One-week National STP on <i>“A Smart and Sustainable World in Concrete and Structures”</i>	STP	4 June 2020 to 8 June 2020.	AISSMS College of Engineering, Pune	UltraTech Cement Limited, Pune
19	One-week National Online FDP on <i>“Advanced Teaching Tools, Techniques and Methodologies For Outcome Based Education”</i>	FDP	01 June 2020 to 05 June 2020	Centre of Excellence in Teaching and Learning, AISSMS College of Engineering, Pune	AISSMS College of Engineering, Pune
20	One-week <i>“Advances in Civil & Structural Engineering (ACSE – 2020)”</i>	FDP	15 June 2020 to 19 June 2020	Govt. College of Engineering, Karad and Govt. College of Engineering, Nagpur	TEQUIP III
21	Online one week FDP on <i>“Entrepreneurship and start up”</i>	FDP	22 June 2020 to 26 June 2020.	NITTR, Bhopal	NITTR, Bhopal
22	Two weeks <i>‘IP-7-Induction program: Phase-I’</i> ,	Induction Program	06 July 2020 to 17 July 2020	NITTTR, Bhopal	NITTR, Bhopal
23	Online one week <i>‘Training of Trainers (TOT) for Teacher Educators’</i> ,	TOT	20 July 2020 to 24 July 2020	NITTTR, Bhopal	NITTTR, Bhopal
24	One day national online FDP <i>“Advances in Technology and safety Aspects in Infrastructure projects”</i>	FDP	19 September 2020	Department of Civil Engineering, AISSMS COE	FDPAC, Pune
25	One-week Online FDP on <i>"Earthquake Engineering"</i>	FDP	04 January 2021 to 08 January 2021	College of Engineering Pune (COEP), Pune	AICTE Training and Learning (ATAL) Academy
26	One day online FDP <i>“Recent Advancements in Concrete Technology”</i> ,	FDP	09 January 2021	Department of Civil Engineering AISSMS College of Engineering, Pune	AISSMS College of Engineering, Pune
27	One day International FDP:	FDP	23 April	Department of	AISSMS

	“Evolution of Construction Industry to Address Infrastructure Challenges.”		2021	Civil Engineering AISSMS College of Engineering, Pune	College of Engineering, Pune
28	Three days Workshop: “Workshop For Syllabus Drafting of TE Civil 2019 Pattern Syllabus”	Workshop	3/05/2021 to 5/05/2021	AISSMS College of Engineering Pune	Board of Studies Civil Engineering Savitribai Phule Pune University
29	National Level one day Workshop on "Geotechnical case studies of Infrastructure Projects"	Workshop	12/06/2021	AISSMS College of Engineering, Pune	AISSMS College of Engineering, Pune
30	One-week Online FDP on “Earthquake Response and Vibration Control of Lifeline Structures”	FDP	05 July 2021 to 09 July 2021	College of Engineering Pune (COEP)	Organized by AICTE Training and Learning (ATAL) Academy
31	Two days' Workshop: “Workshop For Syllabus Drafting of BE Civil 2019 Pattern Syllabus”	Workshop	30/06/2022 to 1/07/2022	AISSMS College of Engineering Pune	Board of Studies Civil Engineering Savitribai Phule Pune University
32	One-week online FDP on Low-cost Housing	FDP	10 .07.23 to 14.07.23	NITTTR Bhopal	NITTTR Bhopal
33	One-week offline FDP on Use of ICT to Build Capacity of Technical Teachers	FDP	from 24 June 2024 to 28 June 2024, organized by	NITTTR Bhopal at Pune center.	NITTTR Bhopal
34	Three-day Development and Reconstruction to Empower Technical Teacher	FDP	12-14 Aug 2024	NITTTR Bhopal at Pune center.	NITTTR Bhopal
35	Two weeks online NEP Orientation & Sensitization Programme	Orientation	March 6-14, 2025.	Malaviya Mission Teacher Training Centre (Formerly TLC), from	Coimbatore Institute of Technology, Coimbatore
36	One-Day Workshop on Seismic Safety Assessment of Dams jointly	Workshop	January 10, 2025,	Indian Society of Earthquake Technology and The Institution of Engineers (India), Pune Local Center	ISET and IEI

37	One-week Online FDP on Fundamentals of Artificial Intelligence	FDP	16 June 2025 to 20 June 2025	NITTTR Bhopal, Goa center	NITTTR Bhopal
38	One-Day Workshop Earthquake resistance design of high-rise structure	Workshop	25.07.2025	The Institution of Engineers Pune Local Centre, in association with Indian Society of Earthquake Technology	ISER and IEI

Courses completed

1. Completed course on “**MATLAB & Simulink**”, Department of Mechanical engineering, COEP, Pune, December 2012
2. Completed course on “**Vibrations in Structures**”, organized by Department of Civil Engineering, COEP (TEQUIP-II), from 14th to 18th July 2014 (1 week)
3. Completed course on “**Introduction to Structural Engineering**”, organized by IIT Kharagpur and ISTE, remote center COEP, 30th Nov. 2015 to 9th Jan. 2016 (2 weeks)
4. Completed a course on “**Seismic Vulnerability Assessment and Retrofitting of Existing Structures**”, organized at Department of Civil engineering, IIT Delhi, New Delhi, under Global Initiatives of Academic Networks (GIAN), MHRD approved, 21st- 25th August 2017 (1 week)
5. Completed a course on “**Design of Reinforced Concrete Structures**”, online course by NPTEL, July-Oct 2017 (12 weeks)
6. Completed course on “**Advanced Structural Dynamics**” 24th- 28th December 2018, Department of Civil engineering, COEP, under Global Initiatives of Academic Networks (GIAN), MHRD approved (1 week).
7. Completed a course on “**Mind Control: Managing Your Mental Health During COVID-19**”, 02 May 2020 to 02 June 2020, (4 Weeks), Coursera.
8. Completed one month ‘**Basic German language Online Course**’ online course by Foresight college of commerce, Pune in collaboration with Hallo Germany (Classes for German language, Pune) from 06 June 2020 to 09 July 2020 (One Month)
9. Completed a MOOC Course “**Module 2: Professional Ethics and Sustainability**” approved by AICTE-National Initiative for Technical Teachers Training, February 2025
10. Completed a MOOC Course “**Module 4: Instructional Planning and Delivery**” approved by AICTE-National Initiative for Technical Teachers Training, February 2025
11. Completed a MOOC Course “**Module 1: Orientation towards Technical Education & Curriculum Aspects,**” approved by AICTE-National Initiative for Technical Teachers Training, September 2025
12. Completed a MOOC Course “**Module 3: Communication Skills and Knowledge Dissemination,**” approved by AICTE-National Initiative for Technical Teachers Training, September 2025
13. Completed a MOOC Course “**Module 5: Technology Enabled Learning and Life-long self-learning,**” approved by AICTE-National Initiative for Technical Teachers Training, September 2025
14. Completed a MOOC Course “**Module 6: Student Assessment and Evaluation,**” approved by AICTE-National Initiative for Technical Teachers Training, September 2025
15. Completed a MOOC Course “**Module 7: Creative Problem Solving, Innovation and Meaningful research and development,**” approved by AICTE-National Initiative for Technical Teachers Training, September 2025
16. Completed a MOOC Course “**Module 8: Institutional Management & Administrative Procedures,**” approved by AICTE-National Initiative for Technical Teachers Training, September 2025
17. Completed six months IUCEE “**International Educator Certification Program,**” Fall 2025, approved by International Society for Engineering Pedagogy (IGIP), Austria in June 2025- December 2025.
18. Completed Certification course “**Level-1 German language**” Department of Foreign

Contribution as Resource Person

S. No.	Place/ Organization	Topic	Level (National/Int/ State/Regional)	Year/ Date
01	As a Session person at Department of Civil Engineering, Imperial College of Engineering and Research, Wagholi, Pune.	'5th Civil PG Con'	University	2018
02	As a Resource person at Department of Civil Engineering, SRTTC Faculty of Engineering, Kamshet, Pune	'Seismic Coefficient Method and Introduction to Vibration'	University	2018
03	As a Resource person at Department of Civil Engineering, College of Engineering, Pune (COEP),	'Research methodology'	University	2019
04	As a Resource person for topic in One week student Development Program "GATE examination coaching with Tips and Tricks	'Free vibrations of undamped SDOF systems'	Institute	25/01/2021
05	As a Resource person in the one-day workshop on "Research Topics for PG Structure Student" organized by IEI (Pune Local Centre) and ISET on 27.04.2024	Research Topics for PG Structure Students	Regional	27/04/2024

Awards Received

S. No.	Awards
01	PG project ' Vibration Control of Structures using Customized Approach for Tuned Liquid Damper ' awarded with 3rd prize in Pune Construction Engineering Research Foundation (PCERF) Padmashree B. G. Shirke Vidyarthi Competition (2018)
02	Best paper award for the paper "Seismic response of RC elevated liquid storage tanks using semiactive magneto-rheological damper" Online conference: ACTM international conference organized by COEP on 11-12/03/2021
03	Received Excellence Award in "Education and Research" from The Great MG women's group in association with Institution of Engineers Pune Local Centre, Pune on 31/03/2024.
04	Received MH – Women Excellence – 2026 in Research Category from Yunay Foundation, Pune on 21/03/2026.

Major Professional Responsibilities Handled

S. No.	Role and Responsibilities
01	Working as PG Coordinator
02	University approved PG teacher in the Department
03	Working as committee member of women's grievance cell .
04	Working as committee member of grievance cell parents and students
05	Working as committee member of SC/ST cell
06	Working as Institute-level NAAC Criteria -I coordinator
07	Working as Departmental NBA Criteria- II In charge
08	Working as Committee Member in Central Core Committee of NAAC at Institute level
09	Working as Faculty coordinator for IUCEE (Indo Universal Collaboration for Engineering Education) at Institute level
10	Worked as Departmental coordinator for 2nd Hybrid National Conference on Innovation in Engineering and Technology - (NCIET 2022)
11	Working as examiner and moderator for subject Design of Reinforced Concrete Structures.
12	Working as examiner for subject Prestressed Concrete Structures.
13	Working as examiner for subject Earthquake Engineering.
14	Working as examiner for subject Research Methodology.
15	Worked as <i>Senior supervisor</i> and <i>Assistant senior supervisor</i> for the conduction of the university theory examinations.
16	Worked as a FDP coordinator for a one week national level FDP on "Earthquake Engineering and Vibration Control" funded by AICTE ATAL Academy, New Dehi.
17	Worked as an Officer in District level First year Centralized Paper Assessment team of SPPU in year 2024-25
18	Managing Committee member for Indian Society of Earthquake Technology (ISET), Pune local centre for Year 2025-27

Declaration: I hereby declare that all the statements made above are correct to the best of my knowledge and belief.

Dr. (Mrs.) Manisha V. Waghmare

18 July 2026