



**Pimpri Chinchwad Education Trust's
Pimpri Chinchwad College of Engineering & Research
Ravet, Pune**



Academic Year: 2025-2026

Faculty Profile



Name of Faculty:	Dr. Bobade Sudarshan Sampatrao		
Qualification :	Ph.D. Civil (SPPU-ISRO's IIRS) M.E. Civil (Construction Management) & B.E. Civil (Govt. CoE, Karad)		
Designation :	Dean Research and Development Associate Professor at Department of Civil Engineering		
Department :	Civil Engineering		
Date of Joining :	15/06/2016		
Experience :	Teaching : 14 Years Industry: 01 Year Research: 05 Years		
Research Areas / Area of Specialization	Remote Sensing and GIS, Disaster Management		
Courses / Subjects Taken:	Quantity Surveying Contracts and Tenders, Transportation Engineering, Advance Surveying, TQM and MIS in Civil Engineering, Building Technology and Materials		
IPR :	Title	Docket No./ Diary No.	Registered / Filed
	Compact waste water treatment unit with the provision of waste water clarification and sludge processor	201721034417	Filed
	Innovative system to systems to improve settling of sediments in the water storage tank	201721041382	Filed
	Measurements of linear distances and horizontal angle by single instrument set up	201821027109	Filed
	ISUAV-woman security: intelligent woman security using streetlight and auto run unmanned aerial vehicle using IOT- based technology	2020102989	Granted
	Movements/shifts/displacements monitoring smart box of earth retaining structures in landslides mitigation	2020103096	Granted
	Precast Karmaveer Bandhara	202021050661	Filed
	Storm drain grate to prevent entry of floating debris/trash/material	202011046925	Filed

Efficient reuse of grey water to flush the toilets without pumping in g+1 or multi-storey building	202121023530	Filed
Pull-test apparatus for iron bar reinforced concrete to measure bond strength	202221010580	Filed
Customized pen with hand sanitizer gel dispenser	202221010727	Filed
Smart disinfection system for escalator handrail	202221010617	Filed
An intelligent opening control system for windows	202221010615	Filed
Automated speed limit alert system	202221010507	Filed
Auto trimming off of charging of chargeable devices after attaining required (set) percentage	202221010596	Filed
Illustrative model for neutral axis depth concept in RCC beam	202221013796	Filed
Grating for storm drain	354592-001	Granted
Grating for storm drain	354595-001	Granted
Grating for storm drain	354583-001	Granted
Grating for storm drain	354599-001	Granted
Grating for storm drain	354593-001	Granted
Grating for storm drain	354594-001	Granted
Grating for storm drain	354596-001	Granted
Grating for storm drain	354597-001	Granted
Grating for storm drain	354598-001	Granted
Letter Board	374964-001	Granted
Anti-spillage Milk Pot	375388-001	Granted
Artificial Rainfall Model	376147-001	Filed
Interlocking Masonry Block	396379-001	Filed
Air Pollutant Removal Chamber	414382-001	Granted
Fakta Tuzach	L-73780/2018	Registered
Mitigation of landslide hazard by correlation between soil characteristics and related drainage using Geospatial techniques	L-89321/2020	Registered
Suitability analysis of H block earth retaining structure and in landslide mitigation	L-15878/2021	Registered
Smart Transportation System in Ghat Section to Mitigate the Road Accidents	L-131147/2023	Registered
Integrating Spent Wash In Innovative Construction Practices	17322/2024-CO/L	Filed
Landslide Susceptibility Mapping of Maval	13929/2025-CO/L	Filed
Hydrologic simulation of the Pawna River basin using the SWAT model	14857/2025-CO/L	Filed
Optimizing Rapid Sand Filter	LD-22982/2025-	Filed

	With Dual Capping Media For Clean Water Solutions	CO	
Research Publications :			
Journal Publications:	Year	Title of Paper	Published in
	2017	To Study the Properties of Concrete by Adding Fevicol	International Journal for Research in Applied Science & Engineering Technology (IJRASET)
	2019	Investigation on Geotechnical Properties Before and After the Construction of Earth Retaining Structures- West Konkan a Case Study	Sustainable Civil Infrastructures book series (SUCI)- Springer
	2021	Rainfall-Runoff Simulation Using Basin Parameters and NRCS Curve Number In Savitri Watershed, India	The Journal of Oriental Research Madras
	2021	Ferrocete Roof Slab System	International Journal of Scientific Research in Engineering and Management (IJSREM)
	2021	Time Optimization in Reconnaissance Surveying	International Journal of Scientific Research in Engineering and Management (IJSREM)
	2021	Evaluation and comparison of morphometric parameters of Savitri watershed, India	Innovative Infrastructure Solutions, SpringerAG
	2021	A State of the Art Review of Buckling Restrained Brace: History, Application, and Design	Civil Infrastructures Confronting Severe Weathers and Climate Changes Conference, Springer, Cham
	2021	Comparative Evaluation of Morphometric Parameters on Runoff Estimation of Savitri Watershed, India	Civil Infrastructures Confronting Severe Weathers and Climate Changes Conference, Springer, Cham
	2022	Performance Evaluation of Soil and Water Conservation Constructed Structures in Drought Prompt Areas of Satara, India.	American Society of Civil Engineers (ASCE), Journal of Performance of Constructed Facilities, 36(6), 04022050, 2022. DOI: https://doi.org/10.1061/(ASCE)CF.1943-5509.0001762
	2023	Morphometric Analysis of Sina River Basin At Midsangavi Using RS & GIS □	European Chemical Bulletin (ISSN 2063-5346) 2023,12(Special Issue 5), 2630-2652 https://doi.org/10.48047/ecb/2023.12.si5.259

	2023	Impact of Variations in Geotechnical Properties of Backfill Material on the Serviceability of Cantilever Earth Retaining Structure: A Case Study.	European Chemical Bulletin (ISSN 2063-5346) 2023,12(Special Issue 5), https://doi.org/10.48047/e cb/2023.12.si5.276
	2024	Application of Arc-SWAT Model for Water Budgeting and Water Resource Planning at the Yeralwadi Catchment of Khatav, India	Nature Environment and Pollution Technology An International Quarterly Scientific Journal https://doi.org/10.46488/N EPT.2024.v23i01.016
	2024	Tempo-spatial impact assessment of landuse land covers on slope stability through GIS modeling at Raigad district of Maharashtra	Innovative Infrastructure Solutions https://doi.org/10.1007/s41062-024-01602-6
	2024	Innovative Use of Eco-Enzymes for Domestic Wastewater Purification	Journal of Environmental Nanotechnology, 13(3), pp. 435-439
	2025	Integrated IoT System for Real-Time Air Quality Assessment in Diverse Environments	International Research Journal of Multidisciplinary Scope, 6(1), pp. 1362-1372
	2025	Water Quality Evaluation of Pawna River using QUAL2E Software	Journal of Mines Metals and Fuels, 73(2), pp. 295-305
	2025	Geoinformatics-Driven Analysis for Watershed Management: Focus on the Manjara River Basin	Journal of Mines Metals and Fuels, 73(2), pp. 285-294
	2025	Morphometric evaluation of Manjara watershed, Latur district, Maharashtra, India : a GIS approach	Innovative Infrastructure Solutions, 10(3)
	2025	Experimental study on the stabilization of laterite soil with chitosan biopolymer for subgrade applications	Engineering and Applied Science Research, 52(3), pp. 270-281
Conference Publications:	Year	Title of Paper	Published in
	2012	Remedial Measures for Unstable Slope: A Case Study in South Konkan, India.	National Conference on Recent Advancements in Engineering (NCRAE'12)
	2013	Study and Analysis of Causative Factors of Slumping for Designing the Preventive Measures: A Case Study in South Konkan, India	International Conference on Emerging Technology Trends on Advanced Engineering Research (ICETT'12) Proceedings published by International Journal of Computer

		Applications® (IJCA)
2013	Geoinformatics Application in Post Disaster Rehabilitation	International Conference on Industrial Applications of Signal Processing (ICIASP 2013)
2018	“Comparative Analysis of Changes in Geotechnical Properties of Soil Before and After Construction of Earth Retaining Structures Based on its Dislocation using GNSS: A Case Study	Multi-GNSS Asia (MGA) Conference, RMIT University, Melbourne, Victoria, Australia.
2018	Role of RS and GIS in Designing the Earth Retaining Structures for Ghat Section Roads.	Indian Road Congress (IRC-2018)
2019	“Comparative study of design parameters in pre and post construction of cantilever earth retaining structure to assess its impact on durability”ICRIET-19	International Conference on Recent Innovations In Engineering & Technology (ICRIET-2019)
2020	IMPACT OF VARIATIONS IN GEOTECHNICAL PROPERTIES OF BACKFILL MATERIAL ON THE SERVICEABILITY OF CANTILEVER EARTH RETAINING STRUCTURE: A CASE STUDY.	Second International Conference on Recent Innovations in Engineering and Technology-20, "ICRIET-20"
2019	Investigation on Geotechnical Properties Before and After the Construction of Earth Retaining Structures- West Konkan a Case Study, 2019. SCOPUS/ Web of Science	In: Hoyos, L., Shehata, H. (eds) Advancements in Unsaturated Soil Mechanics. GeoMEast 2019. Sustainable Civil Infrastructures. Springer, Cham. https://doi.org/10.1007/978-3-030-34206-7_6
2021	Comparative Evaluation of Morphometric Parameters on Runoff Estimation of Savitri Watershed, India, 2021. SCOPUS/ Web of Science/	In: An, J., Zhang, J., Xie, J. (eds) New Approaches of Geotechnical Engineering: Soil Characterization, Sustainable Materials and Numerical Simulation. GeoChina 2021. Sustainable Civil Infrastructures. Springer, Cham. https://doi.org/10.1007/978-3-030-79641-9_5
2021	A State of the Art Review of Buckling Restrained Brace: History, Application, and Design,	In: Neves, J., Zhu, B., Rahardjo, P. (eds) Advanced Geotechnical and Structural

		2021. SCOPUS/ Web of Science/	Engineering in the Design and Performance of Sustainable Civil Infrastructures. GeoChina 2021. Sustainable Civil Infrastructures. Springer, Cham. https://doi.org/10.1007/978-3-030-80155-7_3
	2023	“The SMART Transportation System in Ghat Section for Road Accident Mitigation”	2 nd International Conference on innovations in Mechanical and Civil Engineering, organized by Pimpri Chinchwad College of Engineering, Akurdi, Pune.
	2023	Impact of LULC on Hydrological Settings of Savitri River Watershed at Raigad, Maharashtra Using SWAT Model	28th International Conference on Hydraulics, Water Resources, River and Coastal Engineering, NIT WARANGAL, INDIA, Hydro2023
	2023	Correlation study between water yield and consumptive use by SWAT model: A case study of Darewadi, Maharashtra	28th International Conference on Hydraulics, Water Resources, River and Coastal Engineering, NIT WARANGAL, INDIA, Hydro2023
	2023	Application of the Arc-SWAT model to assess climate change and land use/cover change impacts on water balance components of the Pawana River Basin, Maharashtra	28th International Conference on Hydraulics, Water Resources, River and Coastal Engineering, NIT WARANGAL, INDIA, Hydro2023
	2023	"Water Management for Sustainability using Emerging Technology"	38th National Convention of Civil Engineers on the theme organized by the Local Centre, Belagavi, Karnataka, in 2023.
	2024	“Integrated watershed management of Manjra River by using Geoinformatics”	3 rd International Conference on innovations in Mechanical and Civil Engineering organized by Pimpri Chinchwad College of Engineering, Akurdi, Pune.
	2024	"Integrating Remote Sensing and GIS Technology into Legal Frameworks for Disaster Response and Sustainability: A Case Study of Western Ghats, Raigad District, India,"	National Conference Sponsored by Western Regional Centre - Indian Council of Social Science Research, organized by the University of Mumbai Law Academy, on 16th March 2024.
	2024	Water Availability Assessment Of Krishna River Using SWAT-Model	29th International Conference on Hydraulics, Water Resources, River

			and Coastal Engineering, 18-20, December 2024 CWPRS, PUNE
	2024	Impacts of climate change on water resources in Pune, Maharashtra, India	29th International Conference on Hydraulics, Water Resources, River and Coastal Engineering, 18-20, December 2024 CWPRS, PUNE
	2024	An Integrated Watershed Management Modeling Using Generic Optimization Model (GOM): A Case of Pawana River Basin, Maharashtra, India	29th International Conference on Hydraulics, Water Resources, River and Coastal Engineering, 18-20, December 2024 CWPRS, PUNE
	2024	Integrating Quantitative Morphometric Analysis and Land Use Assessment of Sina River Basin, Maharashtra, India.	29th International Conference on Hydraulics, Water Resources, River and Coastal Engineering, 18-20, December 2024 CWPRS, PUNE
Books Publication:			
Profile Link :	ORCID ID: 0000-0001-7839-1855 Scopus Author ID: 57222254261 ResearcherID: ABI-8348-2020 Google Scholar ID: WdiIRuQAAAAJ&hl Vidwan-ID : 536552		
H –Index:	03		
Product Developed:	H-Block for slope stabilization Compact Sewage Treatment Plant Sanifit + SMART Transportation System for Ghat Section		
Certifications :	<ol style="list-style-type: none"> 1. Certification of Creating Effective Dashboard 2. Certification on NNRM from IIRS, Dehradun. 3. Certification on Bhuvan Overview Training from NRSC, Hyderabad. 4. HIT Office 5. E-tendering 		
Awards/Appreciation/Achievements:	<ol style="list-style-type: none"> 1. UG Level University Topper (6th Rank) at Shivaji University, Kolhapur 2. Successfully completed ISRO Sponsored NNRMS-2017 Training Program 3. Received Special Appreciation Award for disseminating RS and GIS by Indian Institute of Remote Sensing, Dehradun 4. Resource Person in Training for Assistant Executive Engineers (PWD and WRD- Class I) recruited through MPSC at Maharashtra Engineering Training Academy, Nashik. 5. GoI, DoS, ISRO, IIRS-ISRO Outreach Programme Annual Award-2022 for significant contribution as IIRS Outreach Network Coordinator 6. Delivered the invited talk on my research outcome at Technical Session 5 for Innovative, Sustainable and Cost-Effective Construction Technologies - Success Stories in 81st Annual Session of the Indian Road Congress on 8th October, 2022 at Indira Gandhi Pratishthan, Lucknow. 7. Certificate of Excellence: Bharat Ratna Mokshagundam Visvesvaraya Best Teacher Award 		

Membership:	<ul style="list-style-type: none"> • Indian Society for Technical Education (ISTE), 84298, Life Time Membership • Indian Society of Remote Sensing (ISRS), 4808, Life Time Membership • Indian Road Congress (IRC), 102783, Life Time Membership • Hydrological Data Users Group (HDUG) 302302F 20/05/2020 to 19/05/2025 • Indian Geotechnical Society –Life Membership, 5914
Industrial Training :	CTS India Pvt. Ltd., KnowHow
Resource Person /Expert Session/Jury Invited:	<ol style="list-style-type: none"> 1. Expert session on “Role of Land Use land Cover Mapping in Disaster Mitigation” in STTP on Application of Remote Sensing and GIS in Disaster Management: Response, Recovery and Reconstruction” PILLAI HOC COE&T, Rasayani, Panvel, Raigad 9th to 10th January 2017 2. One Day National Level Seminar on Careers in Intellectual Property Rights. Dahiwadi College, Dahiwadi 10th March 2018 3. Expert session on Patent and Patent Drafting. Karmaveer Bhaurao Patil College of Engineering, Satara. 14th March 2018 4. Expert session in One day FDP on “Role of RS and GIS in Engineering Applications & Intellectual Property Rights” Jaihind College of Engineering, Kuran 26th September, 2018 5. Expert session during NSS camp on “Disaster Management” DYPIEMR, Akurdi 5th Feb 2019 6. Expert session on FAQ on IPR and e-filing of Patents. Karmaveer Bhaurao Patil College of Engineering, Satara. 7th April 2020 7. Expert session during AICTE sponsored Six days Short term training programme on ‘Emerging applications of Geographic Information System’ AISSMS, Pune 26th November 2020 8. Expert session during 3 Days Webinar on IPR-Patent “FAQ on IPR and e-filing of Patents” PCCOER, Ravet. 11th December, 2020 9. Expert session on “Awareness Programme on Intellectual Property Rights & Patent”Maharashtra Udayagiri Mahavidyalaya, Udgir 25th March 2021 10. Expert session on “Overview on Intellectual Property Rights- Design Patents” PCCOER, Ravet. 24th August 2022 11. Expert session at Technical Session 5 for Innovative, Sustainable and Cost-Effective Construction Technologies - Success Stories in 81st Annual Session of the Indian Roads Congress on topic “Precast H and Y Block Earth Retaining Structures with Crash Barrier for Ghat Section along with Real-Time Landslide monitoring and alert system using NavIC”. Indira Gandhi Pratishthan, Lucknow 8th October 2022 12. An induction session on IIRS Outreach Program AIKTC, Panvel. 13th April 2023 13. Expert session on preparation for NBA AIKTC, Panvel. 25th, October 2023 14. Expert Session on “Permeable Paving Sustainable Solution for Environmentally-Friendly Infrastructure” at AICTE Training and Learning (ATAL) Academy Initiative One Week Faculty Development Program On “Clean Engineering Materials” SND College of Engineering & Research Centre, Yewala 18th December 2023

15. Expert session on "Role of Geospatial Techniques in disaster management: soil drainage study using SWAT" at 3-days State Level Online Faculty Development Program (FDP) focused on the topic of "Advancements in Geotechnical and Foundation Engineering" in association with IGS & ISTE chapter. YSPMs YTC, Satara 30th December 2023
16. Expert session on "Role of Geospatial techniques in disaster management" at ISTE-approved STTP on "Applications of Latest Technologies in Civil Engineering" AIKTC, Panvel 17th January 2024
17. Expert session to Trainee engineers of Airtel Nxtra on "Contract Administration" Airtel Nxtra, Hinjewadi 5th to 6th March 2024
18. Expert session during State level One Day Workshop with theme Paper Publication and Presentation on topic "How to write a Research Paper" PCCOER, Ravet. 09th March 2024
19. Expert session on "Patent and IPR" at One week National Level FDP organised by SNDCOE & RC Yeola. SND College of Engineering & Research Centre, Yewala 18th March 2024
20. Expert lecture on topic of "Role of Geospatial Techniques in Disaster Management" in One Week Short Term Training Program (STTP) on "Building Sustainable Infrastructure through Emerging Technologies in Civil Engineering" in association with ISTE and IGS Pune Chapter. APCOER, Pune 12th June 2024
21. Expert session during Two-week ISTE Approved STTP with theme "Mastering Research Writing and Intellectual Property: A Comprehensive Approach to Academic Success" on topics IPR SCOE WADGAON, Pune 13th July 2024
22. Expert Session to Trainee Assistant Executive Engineers from PWD and WRD on PPP, need, benefits and model and EPC, HAM and concession agreement. META NASHIK, Government of Maharashtra. 6th and 7th August 2024
23. Expert Session to Trainee Assistant Executive Engineers from PWD and WRD on Types of Contracts, key features, conditions of contract and FIDIC. META NASHIK, Government of Maharashtra. 14th August 2024
24. Expert session on "How to write a Research Paper" Sir Parashurambhau College, Pune, 12th, September 2024
25. Expert Reviewer for NAAC Mock Visit at AIKTC Panvel, 16/11/24
26. Expert Reviewer for NBA Mock Visit at Dr. D. Y. Patil College of Engineering and Innovation, Pune, 28/09/2024.
27. Paper Reviewer in Scopus Indexed 4th International Conference on Advances in Engineering, Technology and Business Management (ICAETBM-2024) held from 24th May 2024 to 25th May 2024 at NMVPM's & PCET's NMIET, Pune.
28. Expert session on "Overview of Academic and Industry Research Opportunities" at Marathwada Mitramandal's Institute of Technology, Lohgaon, Pune - 47, 16/12/2024,
29. Expert Speaker on topic "Remote Sensing and GIS in Disaster Management", at Bharatratnya Dr. A.P.J. Abdul Kalam 6th Annual Oration Program, organized by Ajeenkya DY Patil school of engineering Charholi (bk) in association with Indian Geotechnical Society (IGS), Pune on 4th Oct. 2024
30. Expert lecture on "Role of Geospatial Techniques in Disaster Management" delivered on 12th June 2024 (Wednesday) in

	<p>One Week Short Term Training Program (STTP) on “Building Sustainable Infrastructure through Emerging Technologies in Civil Engineering” in association with ISTE and IGS Pune Chapter by Online mode at Department of Civil Engineering, ABMSP's Anantrao Pawar College of Engineering and Research, Parvati, Pune.</p> <p>31. Expert Lecture on topic of “Role of Geospatial Techniques in Disaster Management” delivered on 12th June 2024 in One Week STTP on “Building Sustainable Infrastructure through Emerging Technologies in Civil Engineering” at ABMSP's Anantrao Pawar College of Engineering and Research, Parvati, Pune in association with ISTE and IGS Pune Chapter.</p> <p>32. Resource Person for Short-Term Training Program (STTP) on “GIS & Remote Sensing Techniques for Civil & Environmental Sustainability,” held at Department of Civil Engineering, Gharda Institute of Technology on 11th January 2025.</p> <p>33. Expert lecture on “How to write a Research Paper” was delivered for the PhD Course Work in Geography at SP College Pune on 12th September 2024.</p> <p>34. Expert Speaker for Two Week Online STTP on “Mastering Research writing and Intellectual Property: A Comprehensive Approach to Academic Success”, approved by ISTE, held during 8th July 2024 to 18th July 2024, organized by Department of Mechanical Engineering at STES's Sinhgad College of Engineering, Pune, Maharashtra.</p>
<p>Workshop/FDP/STTP attended (more than a Week):</p>	<ol style="list-style-type: none"> 1. Completed a two-month training course on C Programming at Sunbeam Institute of Information Technology, Karad, in 2006. 2. Successfully completed a three-month MS-CIT training at Om Sai Information Technology, Thane, in 2007. 3. Earned certification in AutoCAD Level 1 and 3D Modeling & Rendering using AutoCAD R2008 from Ajinkya Engineering Services and Training Center, Karad, in 2007. 4. Participated in a one-week Faculty Development Programme on "Optimization Techniques and its Applications to Engineering" at Government College of Engineering, Karad, in 2012. 5. Attended a two-day Faculty Development Workshop on "Conducting Interactive Classes" at Government College of Engineering, Karad, in 2012. 6. Participated in the National Conference on "Recent Advancements in Engineering" held at SETI, Panhala, Kolhapur, in 2012. 7. Attended the International Conference on "Emerging Technology Trends in Advanced Engineering Research" at Baseli Mathews II College of Engineering, Kollam, Kerala, in 2012. 8. Completed a one-week short-term training programme on "Geoinformatic Applications in Disaster Management" at Government College of Engineering, Karad, in 2013. 9. Participated in a one-day workshop on "Curriculum Development of First-Year Engineering" at AGTI's Dr. Daulatrao Aher College of Engineering, Karad, in 2013. 10. Attended a one-day workshop on "Entrepreneurship Interactive Session" at AGTI's Dr. Daulatrao Aher College of Engineering, Karad, in 2013. 11. I participated in the National Conference on "Advances in Civil and Structural Engineering" at Government College of Engineering, Karad, in 2014. 12. Attended an entrepreneurship development camp (उद्योजकता विकास शिबीर) organized by The Karad Co-operative Bank Limited, Karad, in 2014. 13. Participated in a one-day national seminar on "Disaster

- Management and Mitigation Techniques (DiMiT-2k15)" at AGTI's Dr. Daulatrao Aher College of Engineering, Karad, in 2015.
14. Completed a bridge designing education course (IBCC 2014-15) at AGTI's Dr. Daulatrao Aher College of Engineering, Karad, in 2015.
 15. Attended a two-day workshop on "Accreditation of Engineering Programmes" at Government College of Engineering and Research, Avasari, in 2016.
 16. Participated in a hands-on session on "Google it for Web Tools" at PCET's Pimpri Chinchwad College of Engineering and Research, Ravet, in 2016.
 17. Completed a state-level two-day short-term training programme on "Recent Trends in Infrastructure Development and Management" at ICEM, Pune, in 2017.
 18. Participated in the state-level project competition DIPEX 2017 organized by ABVP, Maharashtra, in 2017.
 19. Attended a national workshop on "Popularisation of Remote Sensing-Based Maps and Geospatial Information" organized by ISRS and ISRO in 2017.
 20. Participated in the 1st National Teachers Congress at MITWPU, Pune, in 2017.
 21. Completed the ISRO-sponsored NNRMS course in 2017 at ISRO IIRS, Dehradun.
 22. Served as an eminent speaker in the STTP on "Application of Remote Sensing and Geographic Information System in Disaster Management" at Pillai HOC College of Engineering and Technology, Rasayani, in 2017.
 23. Attended a state-level seminar on "Digital Land Survey and Mapping" at G.H. Rasoni IOET, Wagholi, in 2018.
 24. Participated in a one-day state-level seminar on "Careers in Intellectual Property Rights (IPR-2018)" at Dahiwadi College, Dahiwadi, in 2018.
 25. Completed a two-day training programme on "Bhuvan Overview" at NRSC, Hyderabad, in 2018.
 26. Served as a resource person in a workshop on "Patent and Patent Drafting" at Rayat Institute of Research and Development, KBPCoE Satara, in 2018.
 27. I was a resource person at a one-day state-level seminar on "Careers in Intellectual Property Rights (IPR-2018)" at Dahiwadi College, Dahiwadi, in 2018.
 28. Served as a resource person in an FDP on "Role of Remote Sensing and GIS in Engineering Applications & Intellectual Property Rights" at Jahind College of Engineering, Kuran, Junnar, in 2018.
 29. I participated in a two-day hands-on workshop on "Technical Documentation using LaTeX Software" at RIT, Sakhrale, in 2019.
 30. Attended the conference on "Indian Patents Copyrights Innovations & Startups (CIPCIS-2019)" at PCET's Pimpri Chinchwad College of Engineering and Research, Ravet, in 2019.
 31. Participated in the International Conference on "Recent Innovations in Engineering and Technology-19" at TSSM's BSCOER, Narhe, Pune, in 2019.
 32. Completed an eight-week NPTEL FDP on "Digital Land Surveying and Mapping (DLS&M)" coordinated by IIT Roorkee, in 2019.
 33. Delivered an expert talk on "Awareness Among Students About Disaster Management in NSS Special Camp" at Dr. D.Y. Patil Institute of Engineering, Management, and Research, Pune, in 2019.
 34. Attended a workshop on "Technologies for Sustainable Development" at Dr. D.Y. Patil Institute of Engineering, Management, and Research, Akurdi, in 2019.

- 35.I participated in the International Conference on "Recent Innovations in Engineering and Technology-20" at TSSM's BSCOER, Narhe, Pune, in 2020.
- 36.Served as the keynote speaker in a webinar on "IPR-Patent" at PCET's Pimpri Chinchwad College of Engineering and Research, Ravet, in 2020.
- 37.I was a resource person for the AICTE-approved six-day STTP on "Emerging Applications of Geographic Information System" at AISSMS, Pune, in 2020.
- 38.I attended a three-day online teaching syllabus workshop on "T.E. Civil 2015 Pattern" at Dr. VVP College of Engineering, Ahmednagar, in 2020.
- 39.I participated in the Indian Green Building Council (IGBC) Students Chapter Virtual Inauguration and Symposium on Green Building at Pillai HOC CoET, Rasayani, Mumbai, in 2020.
- 40.I attended an online syllabus orientation program for SE Civil 2019 Pattern at SCOE, Pune, in 2020.
- 41.I participated in an interactive webinar on "Green and Sustainable Building Materials and Utilization of C&D Waste" at JUET, Guna, MP, in 2020.
- 42.I attended a three-day online syllabus orientation workshop for BE Civil 2015 Pattern on TQM and MIS at AISSMS, Pune, in 2020.
- 43.I completed a three-day online syllabus orientation workshop for BE Civil 2015 Pattern on Transportation Engineering at AISSMS, Pune, in 2020.
- 44.I completed a two-week FDP on "Research Proposal, Funding Agencies, Product Development and Consultancy" at PCCOE, Pune, in 2020.
- 45.I participated in a one-week FDP on "Emerging Trends in Civil Engineering" at A.P. Shah IoT, Thane, in 2020.
- 46.I completed a one-week FDP on "Entrepreneurship in Material Testing and Consultancy Services in Civil Engineering (NABL Accreditation)" at Dr. D.Y. Patil School of Engineering, Lohegaon, in 2020.
- 47.I earned a certificate of completion for the "Coronavirus 2019 (COVID-19)" course from AACC Learning Lab, in 2020.
- 48.I attended a webinar on "Use of Construction Chemicals in the Construction Industry" at RIT, Rajaramnagar, in 2020.
- 49.I participated in a webinar on "Legal Aspects of Civil Engineering" at AGTI's Dr. Daulatrao Aher College of Engineering, Karad, in 2020.
- 50.I attended a two-day webinar on "Valuation" at PCET's Pimpri Chinchwad College of Engineering and Research, Ravet, in 2020.
- 51.I completed a three-day webinar on "Development, Execution, and Management of EPC Projects" at RIT, Rajaramnagar, in 2020.
- 52.I attended an FDP on "Python" organized by IIT Bombay at Pillai HOC CoET, Rasayani, in 2020.
- 53.I participated in the Karmaveer Research Publication and Review Quiz organized by KBPCOE, Satara, in 2020.
- 54.I participated in the International Quiz Competition on Karmaveer Research Publication and Review organized by KBPCOE, Satara, in 2020.
- 55.I attended the Conference on "Indian Patents Copyrights Innovations & Startups (CIPCIS-2020)" at PCET's Pimpri Chinchwad College of Engineering and Research, Ravet, in 2021.
- 56.I participated in the International Conference GEOCHINA 2021 held online from Nanchang, China, in 2021.
- 57.Attended as Chief Guest in the "One Day National Level Online Awareness Programme on Intellectual Property Rights and Patents," organized by Maharashtra Udayagiri Mahavidyalaya, Udgir, in 2021.

58. Participated in a Webinar on "Intellectual Property Challenges and Commercialization," organized by IEEE Bangalore Section, in 2021.
59. Completed a One Week STTP on "Disaster Management and Risk Reduction- A Geospatial Approach," organized by AGTI's Dr. Daulatrao Aher College of Engineering, Karad, in 2021.
60. Attended a Webinar on "Sustainability: Eco-Centric Concerns," organized by the Department of Civil Engineering and FORCE of Presidency University, in 2021.
61. Participated in a Three Days Workshop on "Implementation and Execution of Third Year Civil Engineering 2019 Pattern Syllabus," organized by APCOER, Pune, in 2021.
62. Attended a One Week FDP on "Recent Trends in Concrete Technology," organized by ADCET, Ashta, in 2021.
63. Attended a One Week FDP on "Recent Advances in Civil Engineering," organized by SIT, Ichalkaranji, in 2021.
64. Participated in a Two Days Webinar on "Valuation of Land and Building / Real Estate," organized by KBP COE, Satara, in 2021.
65. Attended a Workshop on "Creating Effective Dashboards," organized by JS Academy, in 2021.
66. Completed a Three Days FDP on "Technology Startup and IPR's," organized by KBPCOE, Satara, in 2021.
67. Participated in the Annual Session of Indian Road Congress 2022 and presented a technical session in Lucknow, Uttar Pradesh, in 2022.
68. Attended the IUCEE Annual Leadership Summit 2022, held at the International Center, Goa, in 2022.
69. Attended a Workshop on "National Education Policy-2020-Implementation Strategies for Principals/Directors," organized by SPPU, Pune, at Manashakti Research Centre, Lonavala, in 2022.
70. Completed the Training Programme for "IDEAFORGE NINJA 'Light Weight Scout' as Pilot," organized by Megatronix Vision, in 2022.
71. Attended a One Day Workshop on "New Procedures of NAAC Accreditation," organized by BV's YC Law College, Karad, in 2022.
72. Participated in a Two Day Workshop on "Syllabus Drafting of BE Civil 2019 Pattern," organized by AISSMS CoE, Pune, in 2022.
73. Attended a Three Days Workshop on "Implementation and Execution of Third Year Civil Engineering 2019 Pattern Syllabus," organized by APCOER, Pune, in 2022.
74. Participated in the National Level Project Expo-2K23, organized by MITADTU, Pune, in 2023.
75. Completed a Two Days State Level Workshop on "National Education Policy 2020: Challenges and Opportunities," organized by PCET's Pimpri Chinchwad College of Engineering and Research, Ravet, Pune, in 2023.
76. Participated in an Online Training Course on "Repair and Rehabilitation of Structures of Hydro Power Projects," organized by the Government of India, Ministry of Jal Shakti, Department of Water Resources, River Development & Ganga Rejuvenation, Central Water and Power Research Station, Pune, in 2023.
77. Participated in the ICT Academy Bridge Conference held on 23 Aug 2024, at Hyatt, Pune, organized by ICT Academy.
78. Attended the National Level 1 Day Workshop on "Impactful PPT Presentation," organized by the Department of Mechanical Engineering, Pimpri Chinchwad College of Engineering and Research, Ravet, Pune, in 2024.
79. Participated in the National Level 5-Days Workshop on "Applications of Multi Criterion Decision Making Methods," organized by the Department of Mechanical Engineering, Pimpri Chinchwad College of Engineering and Research, Ravet, Pune, in 2024.

	<p>80. Participated in the National Level 5-Days FDP on "Intellectual Property Rights: Insights of Indian Patents," organized by the Department of Mechanical Engineering, Pimpri Chinchwad College of Engineering and Research, Ravet, Pune, in 2024.</p> <p>81. Participated in the NGP-DST Geo Innovation Challenge on "Role of Geospatial Technology in Capacity Building of Women in Society" and presented the idea on "Enhancing Women's Night-time Travel Safety through Geospatial Analysis and Its Integration with Dynamic Street Lamp Illumination and Movement Patterns," organized by the Department of Geography, Sophia Girl's College (Autonomous), Ajmer, Rajasthan, in 2024.</p> <p>82. Completed the Internship and Training on "Two Weeks Practical Building Construction Management with Onsite Training," organized by Know How Schools LLP, in 2024.</p> <p>83. Participated in an Online Training Course on "Physical and Numerical Modelling for Hydraulic Design of Reservoir and Apartment Structures," organized by the Government of India, Ministry of Jal Shakti, Department of Water Resources, River Development & Ganga Rejuvenation, Central Water and Power Research Station, Pune, in 2024.</p> <p>84. Completed the Foundation Program on "The Seven Habits of Highly Effective People," organized by Cognizant Technology Solutions, India, Pvt. Ltd., Chennai, from 2009-2010.</p> <p>85. Completed the National Level OFF-Campus Outreach Certificate Programme, organized by IIRS, from 2017-2023.</p> <p>86. Completed the Training Course on "Innovation Ambassador (IA) Training – Advanced Level (15 sessions of 30 Contact Hours)," organized by MoE Innovation Cell and AICTE, during 2021-22.</p> <p>87. Completed the Training Course on "Innovation Ambassador (IA) Training – Foundation Level (15 sessions of 30 Contact Hours)," organized by MoE Innovation Cell and AICTE, during 2021-22.</p>
Event Organized Inter department/Inter college/ Other recognized Industry/IIT's/NPTEL/SP OKE N TUTORIAL/ etc. :	<ol style="list-style-type: none"> 1. IIRS Outreach Programme 2. MCED Workshop 3. NEP2020 4. Geofest24 5. Organized one week Professional Development Programme in association with NITTTR, Chennai on "Autonomy: Curriculum Design" from 06.01.2025 to 10.01.2025 6. Organized the Koyana Dam Visit at Koyanagar for Higher Management and MECPL Industry Personnel's under Departments Industry Institute Interactions.
Event Organized in Department:	<ol style="list-style-type: none"> 1. RPIPD-2017 (Two Day's State Level Workshop on "Research Proposal, Paper, IPR and Patent Drafting") 2. Civil Engineering Webinar Series in Covid-19 pandemic 3. Expert Sessions for Transportation Engineering And Quantity Surveying, Contracts and Tenders 4. Study Tour to Pune and Nagpur Airport and Nagpur Metro 5. Workshop on How to file E tender 6. Organized one week FDP on "Next Gen Civil Engineering: 2024 Insights." (30th September 2024 to 04 October 2024) 7. Organized one week FDP on "Trend Set 2024: Modern Civil Engineering Essentials." (21 October 2024 to 25 October 2024). 8. Spectrum2K25
University level appointments:	<ol style="list-style-type: none"> 1. Paper Setter 2. Subject Chairmen CPCE
Administrative Duties:	<ol style="list-style-type: none"> 1. Dean Research and Development 2. Former Head of Civil Engineering Department 3. Convener-Institute Innovation Council

	4. Member-Incubation and Entrepreneurship Development
Academics Duties:	1. Associate Professor Civil, Course Coordinator Honors Course, Audit Course and Quantity Surveying, Contracts and Tenders
Any Other	<p>Reviewer:</p> <ol style="list-style-type: none"> 1. Sustainable Civil Infrastructures, SUCI-Springer 2. ASTM International, Journal of Testing and Evaluation 3. Reviewer for International Conference: i-MACE 2022, i-MACE 2023 4. Reviewer for Materials Today: Proceedings 5. Reviewer for ICAETBM-2024 6. Reviewer for Journal of Mines, Metals and Fuels 7. Reviewer for Journal Discover Geoscience 8. Reviewer for Journal Cureus Journal 9. Represented the PCET's PCCOER at Construction Safety Webinar Series (2023-24) organized by PCERF, Pune. 10. Invited as a Judge to assess the PG Projects for Vidyarthi Awards at Constro-2K25 organized by PCERF, Pune. 11. Invited as a Judge to assess the Geofest-2K25 technical events at AISSMS, Pune. 12. Chief Guest at Baby Conference 2024, "Building with Purpose: Sustainable Materials and Civil Engineering", at PCET's PCCOE, Akurdi, 6th Dec. 2024. 13. Certified Internal auditor ISO 21001:2018 <p>Research Funds Received:</p> <ol style="list-style-type: none"> 1. Under RGSTC on topic "Investigation on Characterization of Local Available Bamboo Material and Assessment of Its Suitability for Use as Beam Member Reinforcement". Received grant of Rs. 5, 00,000/- from SPPU, Pune.