



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



Academic Year: 2022 - 23

Faculty Profile



Name of Faculty:	Dr. ARUN WAMANRAO DHAWALE		
Qualification :	PhD Civil, M. E. Water Management, B. E. Civil		
Designation :	Professor		
Department :	Civil Engineering		
Date of Joining :	05/09/2022		
Experience :	Teaching: 22 Years Industry: 01 Year Research: - 10 Years		
Research Areas / Area of Specialization	Geographical Information System (GIS) & Remote Sensing (RS) applications to: Watershed Management , Water Resources , Hydrological modeling, Geotechnical engineering		
Courses / Subjects Taken:	Fluid Mechanics, Dams and Hydraulic Structures		
IPR :	Title	Docker No./ Diary No.	Registered /Filed
	Mobile Based Application For Automatic Irrigation, Fertigation and Notification.	Application no- 20222102021 1	Filed On 04-04-2022 INDIA
	EF-Brick-Roof Tiles: Making Method and Process Environment-Friendly Brick and Roof Tiles.	Patent number: 2021106803	15-12-2021 Valid Till Eight years from 24 August 2021 Australia Granted
	OMAI-Waste Treatment Systems: AI Based programming for Operation and Maintenance of Waste	Patent No- 2020103521	12-01-2021 Valid Till Eight years from 18 November 2020 Australia Granted

	Treatment Systems		
	Movements/Shifts/ displacements monitoring SMART box of Earth Retaining Structures in Landslides Mitigation.	Patent No- 2020103096	16-12-2020 Valid Till Eight years from 29 October 2020 Australia Granted
Research Publications :	99		
Journal Publications: 62	Year	Title of Paper	Published in
	May 2022	Analysis of Production Loss in Terms of Time and Money Due to Insufficient Material Management	International Journal of Emerging Technologies And Innovative Research (JETIR Impact Factor: 7.95. Volume 9, Issue 5, May 2022, ISSN (Online): 2349-5162, pp: 678-683.
	May 2022	A Cost Effective Tool of Utility Management In Mumbai	Journal of Emerging Technologies And Innovative Research (JETIR) Impact Factor: 7.95. Volume 9, Issue 5, May 2022, ISSN (Online): 2349-5162, pp: 544-549.
	January 2022	A Review on Analysis of Production Loss in Terms of Time and Money Due to Insufficient Material Management	International Journal of Research in Engineering, Science and Management (IJRESM) SJIF Impact Factor: 4.308. Volume 5, Issue 1, January 2022, ISSN (Online): 2581-5792, pp: 247-251
	August 2021	Hip Biomechanics And A Study Of Various Forces Acting On Hip Joint	JJTU's International Journal Research in Engineering and Applied Sciences, International Journal of Renewable Energy Exchange (REX) - ISSN 2321-1067, Rex Journal , Volume 9 Issue -8, August 2021, pp 171-175
	July 2021	Comparative Evaluation of Morphometric Parameters on Runoff Estimation of Savitri Watershed, India	Geo China 2021: New Approaches of Geotechnical Engineering: Soil Characterization, Sustainable Materials and Numerical Simulation pp 58-79, conference paper 11 July 2021 part of book series. DOI https://doi.org/10.1007/978-3-030-79641-9_5 , Springer Publication.
	May 2021	Utility Management on Major Roads Mumbai	International Research Journal of Engineering and Technology (IRJET) e-ISSN: 2395-0056, Volume: 08 Issue: 05 May 2021 www.irjet.net p-ISSN: 2395-0072, pp 484-487.
	May 2021	Developing A Performance Measurement Framework for Residential Construction Projects in India	International Research Journal of Engineering and Technology (IRJET) e-ISSN: 2395-0056, Volume: 08 Issue: 05 May 2021 www.irjet.net p-ISSN: 2395-0072, pp 1-6.
	May 2021	Site selection factors for rain water harvesting in urban area	<i>IT in Industry, Vol. 9, No.2,2021 Published Online17-5-2021, ISSN (Print): 2204-0595 ISSN (Online): 2203-1731, PP 1370-1376 Web of Science (Emerging Sources Citation Index)</i>

	April 2021	Base for Identification Of Potential Ground Water Recharge Zones In Urban Area -Case Study From A Pune City	NVEO – Natural Volatiles & Essential Oils Journal e-ISSN: 2148-9637, Volume 8, Issue4,Nat.Volatiles&Essent.Oils,2021;8(4): PP. 533-539, Submitted: 11.02.2021; Accepted: 20.04.2021 Elsevier Scopus
	April 2021	Sustainable Remedies for Infrastructure Project Delays	International Research Journal of Engineering and Technology (IRJET) e-ISSN: 2395-0056 Volume: 08 Issue: 04 Apr 2021, p-ISSN: 2395-0072, pp 680-684. (Approved by UGC list 2017)
	March 2021	Resource productivity of a highway project-case study	Open access International Journal of Science and Engineering,(OAIJSE), Volume 6 Issue 3 March 2021 ISO 3297:2007 Certified ISSN (Online) 2456-3293, IMPACT FACTOR 5.856, DOI 10.51397/OAIJSE03.2021.00018, pp 103-118 (Approved by UGC list 2017-2018)
	January 2021	A Review on Theory of Constraints in Construction Management	Journal of Huazhong University of Science and Technology, ISSN-1671-4512, Volume 50, Issue 6, PP1-5. UGC CARE GROUP-II APPROVED
	January 2021	Influence of wall friction and surcharge on active earth pressure in model test	Journal of Geotechnical engineering ISSN: 2394-1987, Volume 8, No1. January 2021, PP 12-19.
	January 2021	Evaluation and comparison of morphometric parameters of Savitri watershed, India	<i>Innovative Infrastructure Solutions (2021)</i> PP 6:107. https://doi.org/10.1007/s41062-021-00482-4 Received: 16 January 2021 / Accepted: 4 February 2021 © Springer Nature Switzerland AG 202 (Scopus ,Web of Science))
	January 2021	Rainfall-runoff simulation using basin parameters and NRSC Curve number in Savitri watershed, India	<i>The journal of oriental research madras</i> ISSN : 0022-3301 , January 2021 , PP 132-144. UGC Care Listed Journal.
	July 2020	Feasibility Study of Self Curing Steel Fiber Reinforced Concrete with Respect to Cost & their Properties	<i>International Journal for Research in Applied Science & Engineering Technology (IJRASET)</i> ISSN: 2321-9653; IC Value: 45.98; SJ Impact Factor: 7.429 Volume 8 Issue VII July 2020,PP 402-405 (UGC Approved Journal)
	June 2020	Study of mechanical properties of SCSFRC by calculating optimum dose of peg-400 with steel fiber	<i>International Journal of Creative Research Thoughts (IJCRT)</i> , Volume 8, Issue 6 June 2020 , e-ISSN: 2320-2882, PP 449-453 (UGC Approved Journal No 49023 (18))
	February 2019	Study the Application of Primavera in Planning and Scheduling of Prefabrication Technology used in Construction.	<i>Journal of Emerging Technologies and Innovative Research (JETIR)</i> Vol 6. Issue 2, February 2019, ISSN 2349-5162, PP 633-636. (UGC Approved Journal No 63975)

	April 2018	Study the Economy of Bubble Deck Slab by Using a Polypropylene Ball	<i>Journal of Advances and Scholarly Researches in Allied Education(JASRAE)</i> Vol. XV, Issue No. 2, (Special Issue) April-2018, ISSN 2230-7540, PP 449-451 UGC Approved Journal(Approved by UGC till June 2019)
	April 2018	An Overview of Use of Waste Plastic in Road Construction	<i>Journal of Advances and Scholarly Researches in Allied Education(JASRAE)</i> Vol. XV, Issue No. 2, (Special Issue) April-2018, ISSN 2230-7540, PP 446-448 UGC Approved Journal(Approved by UGC till June 2019)
	April 2018	An Overview on Prefabricated Elements in Construction Technologies	<i>Journal of Advances and Scholarly Researches in Allied Education(JASRAE)</i> Vol. XV, Issue No. 2, (Special Issue) April-2018, ISSN 2230-7540, PP 398-401 UGC Approved Journal(Approved by UGC till June 2019)
	April 2018	Comparative Study of Conventional (Cast-In Situ) & Pre-Cast Method for Residential Project	<i>Journal of Advances and Scholarly Researches in Allied Education(JASRAE)</i> Vol. XV, Issue No. 2, (Special Issue) April-2018, ISSN 2230-7540, PP 398-401 UGC Approved Journal(Approved by UGC till June 2019)
	April 2018	Applicability of Just-In-Time Technique in Residential Construction Projects in Pune City	<i>Journal of Advances and Scholarly Researches in Allied Education(JASRAE)</i> Vol. XV, Issue No. 2, (Special Issue) April-2018, ISSN 2230-7540, PP 398-401 UGC Approved Journal(Approved by UGC till June 2019)
	April 2018	Strength Characteristics of Self Curing Concrete Incorporating Polyethylene Glycol-400	<i>Journal of Advances and Scholarly Researches in Allied Education(JASRAE)</i> Vol. XV, Issue No. 2, (Special Issue) April-2018, ISSN 2230-7540, PP 398-401 UGC Approved Journal(Approved by UGC till June 2019)
	April 2018	An Overview: Auditing of Water Use on Construction Site	<i>Journal of Advances and Scholarly Researches in Allied Education(JASRAE)</i> Vol. XV, Issue No. 2, (Special Issue) April-2018, ISSN 2230-7540, PP 398-401 UGC Approved Journal(Approved by UGC till June 2019)
	March 2018	A Review Report on “Feasibility study of Conventional (cast-In situ) & Pre-cast Method for Residential Project”	<i>International Journal of Emerging Technology and Advanced Engineering (IJETAEE)</i> ISSN 2250-2459, ISO 9001:2008 Certified Journal, Volume 8, Issue 3, March 2018, PP. 280-282
	March 2018	A Review on Concept, Applicability and Implementation of Just-In-Time Technique in Construction Industry	<i>International Journal of Engineering Science Invention (IJESI)</i> ISSN (Online): 2319 – 6734, ISSN (Print): 2319 – 6726 www.ijesi.org Volume 7 Issue 3 Ver. II March 2018 PP. 07-10 UGC Approved Journal
	March 2018	An Overview on Characteristics of Self-Curing	<i>International Journal of Engineering Science Invention (IJESI)</i> ISSN (Online): 2319 – 6734, ISSN (Print): 2319 – 6726

	Concrete Using Polyethylene Glycol-400 (PEG)	www.ijesi.org Volume 7 Issue 3 Ver. I March 2018 PP. 08-11 UGC Approved Journal
July 2017	Project management information system in construction industry	International journal of engineering sciences & research technology (IJESRT) ISSN:2277-9655, Vol-6 (7) July 2017,pp 54-60 Impact Factor 4.116 Thomson reutersEndnote™ (Approved by UGC till June 2019)
May 2017	Analysis of claims and dispute in construction industry.	International journal of engineering sciences & research technology (IJESRT) ISSN:2277-9655, Vol-6 (5) May 2017,pp 523-535 Impact Factor 4.116 Thomson reutersEndnote™ (Approved by UGC till June 2019)
February 2017	Dispute resolution mechanism in commercial construction projects: A review	International journal of engineering sciences & research technology (IJESRT) ISSN:2277-9655, Vol-6 (2) Feb 2017,pp 84-88 Impact Factor 4.116 Thomson reutersEndnote™ (Approved by UGC till June 2019)
February 2017	An Overview of energy Efficiency of Translucent Concrete	International Journal of Application or Innovation in Engineering & Management (IJAIEM) , Volume 6, Issue 2, February 2017 ISSN 2319 – 4847 PP 37-40. (Approved by UGC)
February 2017	Review of application of six sigma in the construction industry	International journal of engineering sciences & research technology (IJESRT) ISSN:2277-9655, Vol-6 (2) Feb 2017,pp 494-497 Impact Factor 4.116, IC Value: 3.00, Thomson reutersEndnote™ (Approved by UGC till June 2019)
December 2016	Project management information system in construction industry: a review	International journal of engineering sciences & research technology (IJESRT) ISSN:2277-9655, Vol-5 (12) Dec 2016,pp 125-130 Impact Factor 4.116, Thomson reutersEndnote™ (Approved by UGC till June 2019)
November 2016	Public mass transit system- A overview	PARIPEX - INDIAN JOURNAL OF RESEARCH ISSN - 2250-1991 Volume : 5 Issue : 11 Nov 2016 Impact Factor 5.215, IC Value:77.65, Pp 61-63.
November 2016	Necessity of city mobility plan for Pune, India	Indian Journal of Applied Research (IJAR) ,ISSN: 2249-555X Volume:6,Issue:11,Nov 2016, Impact Factor 3.919, IC Value: 74.50, PP17-20
October 2016	Formulation of inception report for EPC cum O & M water supply project	PARIPEX - INDIAN JOURNAL OF RESEARCH ISSN - 2250-1991 Volume : 5 Issue : 10 Oct 2016 Impact Factor 5.215, IC Value:77.65, Pp 16-20.
July 2016	Detail Study of “Project Management Processes & it’s Framework”	International Journal of Scientific Research (IJSR) ISSN: 2277-8179 Volume-5 Issue-7, July 2016 pp-115-118, Impact Factor 3.508
June 2016	Effects of schedule acceleration on construction performance	International Journal of Research in Engineering and Applied Sciences (IJREAS) VOLUME 6, ISSUE 6 (June, 2016) ,ISSN 2249-3905, PP 21-29, IMPACT FACTOR – 6.573
May 2016	Study and analysis of low cost housing based on construction techniques	IJRET: International Journal of Research in Engineering and Technology (IJRET) Volume: 05 Issue: 05 May-2016, eISSN: 2319-1163 pISSN: 2321-7308 Pp 146-148 Impact Factor 3.935 (ISRA)

	April 2016	Causes of Pune Real Estate Downfall and Steps to Mitigate the Problem	International Journal of Engineering Technology, Management and Applied Sciences (IJETMAS) April 2016, Volume 4, Issue 4, ISSN 2349-4476 pp-100-103, Impact Factor: 2.24 (DIIF)
	April 2016	Controlled Execution of Demolition work for Residential Building	International Journal of Engineering Technology, Management and Applied Sciences (IJETMAS) April 2016, Volume 4, Issue 4, ISSN 2349-4476 pp-95-99, Impact Factor: 2.24 (DIIF)
	February 2016	Effect of height on pumped concrete placing at highrise structures	International Research Journal of Engineering and Technology (IRJET) e-ISSN: 2395 -0056 Volume: 03 Issue: 02 Feb-2016 p-ISSN: 2395-0072, Pp 80-82 Impact Factor: 4.45(SJIF)
	February 2016	Acceptance criteria for precast concrete construction technology in housing construction industry of Maharashtra state	<i>International Journal of Application or Innovation in Engineering & Management (IJAIEM)</i> Volume 5, Issue 2, February 2016, ISSN 2319 – 4847, PP 52-55, Impact Factor: 5.427(ISRAJIF)
	February 2016	Concrete Productivity And Performance Comparison Of Pumped Concrete For High Rise Structure	International Journal of Recent and Innovation Trends in Computing and Communication (IJRITCC) Vol 4, Issue- 2, Feb 2016, PP 77-79, ISSN: 2321-8169 Impact Factor: 5.837
	February 2016	Hot ice crystal sheet for fire control in high rise buildings	<i>International Journal of Advanced Engineering Research and Science (IJAERS)</i> [Vol-3, Issue-2, Feb- 2016 PP 15-17] ISSN: 2349-6495 , Impact Factor: 4.072(SJIF)
	March 2016	Comparative study of cost and duration related to night time and day time construction of flyover project	“International Journal of Civil Engineering (IJCE); ISSN (Print): 2278-9987; ISSN (E): 2278-9995; Vol-5, Issue-2, Feb - March - 2016; Impact Factor(JCC) - 2015: 3.0238; Index Copernicus Value (ICV) - 2015: 3.0; NAAS Rating: 2.06”. pp 1-8
	November 2015	A study and analysis of occupational health Hazards supervisory leveled workmen in construction industry	“International Journal of Civil Engineering (IJCE); ISSN (Print): 2278-9987; ISSN (Online): 2278-9995; Vol-4, Issue-6, Oct - Nov - 2015; Impact Factor(JCC) - 2015: 3.0238; Index Copernicus Value (ICV) - 2015: 3.0; NAAS Rating: 2.06”. pp 29–38
	July- August 2015	Qualitative risk assessment and mitigation measures for real estate projects in Maharashtra	International Journal of Technical Research and Applications e-ISSN: 2320-8163, www.ijtra.com Volume 3, Issue 4 (July-August 2015), PP. 49-57, Scientific Journal Impact Factor 4.395
	May 2015	Study of Various Hydro-geological Parameters and its Influence on Groundwater Level Fluctuation in a Hard rock Terrain- A Case Study of Wagholi, Pune, India	<i>International Journal of Innovative and Emerging Research in Engineering</i> Volume 2, Issue 5, 2015 May, ISSN: 2394 - 3343 SJ Impact Factor 2.009, Pp 44-47

	May 2015	Identification of Factor which Causes Cost Overrun and Delays in Infrastructure Projects	International Journal of Engineering Technology, Management and Applied Sciences(IJETMAS) ,May 2015, Volume 3, Issue 5, ISSN 2349-4476 ,Pp 77-86 Impact Factor: 2.24 (DIIF)
	May – June 2015	Light weight aggregate concrete by using coconut shell	International Journal of Technical Research and Applications e-ISSN: 2320-8163,Volume 3, Issue 3 (May-June 2015), PP. 127-129 Scientific Journal Impact Factor 4.395
	June 2015	Structural Audit: A Case Study of Nasik Residential Building, Maharashtra, India	PARIPEX - INDIAN JOURNAL OF RESEARCH ,ISSN - 2250-1991Volume : 4 Issue : 6 June2015 Impact Factor 3.4163,Pp 123-126
	March –April 2015	Cost Control and Tracking of a Building by Earned Value Method	<i>International Journal of Technical Research and Applications (IJTRA) ISSN: 2320 8163 Volume-3 Issue-2, March- April 2015 pp-15-22, Impact Factor 4.350</i>
	December 2014	Need for IGBC Rating System for New Residential Buildings	<i>International Journal of Application or Innovation in Engineering and Management (IJAIEM) ISSN:2319-4847 ; Volume 3 Issue-12, December 2014 pp 245-248, Impact Factor : 3.115[ISRAJF]</i>
	Marc 2014	Analysis of Critical Factors Affecting the Construction Projects in Pune Region, India	<i>International Journal Civil Engineering and Technology (IJCIET) ISSN(P):0976-6308 ; ISSN(E):0976-6316 ; Volume 5 Issue-3, March 2014 pp 209-216, Impact Factor :7.9290(Calculated by GISI)</i>
	February 2014	Computation of Relative Index Ranking of Various Construction Productivity Factors	<i>International Journal of Civil, Structural, Environmental and Infrastructure Engineering Research and Development (IJCSEIERD), Volume 2014; 4(1): Feb 2014, PP 31–40, ISSN(P):2249-6866 ; ISSN(E):2249-7978 ; Impact Factor: 5.4829</i>
	February 2014	Comparative Study Of Wheel Load Stress And Warping Stress On Concrete Pavements	<i>International Journal of Civil, Structural, Environmental and Infrastructure Engineering Research and Development (IJCSEIERD), Volume 2014; 4(1): Feb 2014, PP 9–14, ISSN(P):2249-6866 ; ISSN(E):2249-7978 ; Impact Factor: 5.4829</i>
	April 2013	Engineered Cementitious Composites for Structural Applications	<i>International Journal of Applications or Innovations in Engineering & Management(IJAIEM) ISSN: 2319 –4847 Volume-2 Issue-2, April 2013 pp-198-205,Impact Factor 2.50</i>
	January 2013	Runoff Estimation for Darewadi Watershed using RS and GIS	<i>International Journal of Recent Technology and Engineering™ ISSN: 2277 – 3878Impact Factor of IJRTE is 1.0Volume-1 Issue-6, January 2013, pp-46-50 (Scopus Coverage year 2018 to 2019)</i>
	March 2012	Comparative Performance Monitoring of Rainfed Watersheds Applying GIS and RS Techniques	<i>International Journal of Engineering Science and Technology (IJEST)ISSN : 0975-5462 Vol. 4 No.03 March 2012 pp-1132-1139</i>
	January- June 2011	Change Detection of Kolvan Valley a	<i>International Journal of Emerging Technologies and Applications in Emerging</i>

		Micro-Watershed by using RS & GIS Technique.	<i>Technology and Sciences (IJ-ETA-ETS).ISSN:0974-3588, Jan 11-June 11, Vol 4: Issue 1, pp 218-221.</i>
Conference Publications: 37	Year	Title of Paper	Published in
	May 2021	GIS based identification of potential ground water recharge zones in urban area-A case study from Pune city	9 th international online conference on Recent advancement in interdisciplinary Research (ICRAIR2021) 29-30 May 2021
	May 2021	Comparative Study of Application of Artificial Neural Networks for Predicting Engineering Properties of Soil: A review	Springer PROCEEDINGS , 4th International Conference on Inventive Material Science and Applications (ICIMA - 2021) May 14-15, 2021,
	November 2019	Investigation on Geotechnical Properties Before and After the Construction of Earth Retaining Structures-West Konkan a Case Study	Proceedings of the 3rd GeoMEast International Congress and Exhibition, Egypt November 2019 on Sustainable Civil Infrastructures – The Official International Congress of the Soil-Structure Interaction Group in Egypt (SSIGE) Editor-in-chief: Shehata , Hany ISSN: 2366-3405. Springer Nature.
	February 2019	Comparative study of design parameters in pre and post construction of cantilever earth retaining structure to assess its impact on durability	International Conference on Recent Innovations in Engineering & Technology 15th& 16th February 2019. At TSSM'S BSCOER, Narhe , Pune, in association with SPPU.
	October 2018	Comparative analysis of changes in geotechnical properties of soil before and after construction of earth retaining structures based on its	10th Multi-GNSS Asia International Conference held at RMIT University, Melbourne, Australia on 23rd to 25th October 2018.

		dislocation using GNSS: A case study in west kokan, India	
	June 2018	Investigation of properties of self curing concrete using polyethylene glycol-400 Best Session Paper Award	5 th Post Graduate Conference for Civil Engineering (PGCON- 2018) organized at JSPM'S IMPERIAL COLLEGE OF ENGINEERING & RESEARCH WAGHOLI, PUNE in association with the Civil Engineering Board of Studies, SPPU. 11th& 12th June 2018.
	June 2018	Utility management on major roads in Mumbai	5 th Post Graduate Conference for Civil Engineering (PGCON- 2018) organized at JSPM'S IMPERIAL COLLEGE OF ENGINEERING & RESEARCH WAGHOLI, PUNE in association with the Civil Engineering Board of Studies, SPPU. 11th& 12th June 2018.
	June 2018	Feasibility study of conventional (cast-in situ) & pre-cast methods for residential project Best Session Paper Award	5 th Post Graduate Conference for Civil Engineering (PGCON- 2018) organized at JSPM'S IMPERIAL COLLEGE OF ENGINEERING & RESEARCH WAGHOLI, PUNE in association with the Civil Engineering Board of Studies, SPPU. 11th& 12th June 2018.
	June 2018	Case study on implementation of just-in-time technique in residential construction project	5 th Post Graduate Conference for Civil Engineering (PGCON- 2018) organized at JSPM'S IMPERIAL COLLEGE OF ENGINEERING & RESEARCH WAGHOLI, PUNE in association with the Civil Engineering Board of Studies, SPPU. 11th& 12th June 2018.
	June 2018	Smart dyanamic concrete-rapid economical sustainable construction	5 th Post Graduate Conference for Civil Engineering (PGCON- 2018) organized at JSPM'S IMPERIAL COLLEGE OF ENGINEERING & RESEARCH WAGHOLI, PUNE in association with the Civil Engineering Board of Studies, SPPU. 11th& 12th June 2018.
	June 2017	A Prototype model for project management information system in	4 th Post Graduate Conference for Civil Engineering (PGCON- 2017) organized at FLORA INSTITUTE OF TECHNOLOGY, PUNE in association with the Civil Engineering Board of Studies, SPPU.

		construction industry. Best Session Paper Award	13th to 14th June 2017.
	June 2017	Six Sigma: Acceptability as a quality initiative in pune residential construction industry	4 th Post Graduate Conference for Civil Engineering (PGCON- 2017) organized at FLORA INSTITUTE OF TECHNOLOGY, PUNE in association with the Civil Engineering Board of Studies, SPPU. 13th to 14th June 2017.
	June 2017	Behaviour and feasibility of energy efficient concrete using optical fibers	4 th Post Graduate Conference for Civil Engineering (PGCON- 2017) organized at FLORA INSTITUTE OF TECHNOLOGY, PUNE in association with the Civil Engineering Board of Studies, SPPU. 13th to 14th June 2017.
	June 2017	Dispute resolution mechanism in construction project.	4 th Post Graduate Conference for Civil Engineering (PGCON- 2017) organized at FLORA INSTITUTE OF TECHNOLOGY, PUNE in association with the Civil Engineering Board of Studies, SPPU. 13th to 14th June 2017.
	June 2016	Need of change in today's Real Estate practices	3 rd Post Graduate Conference for Civil Engineering (PGCON- 2015) organized at AISSMSCOE in association with the Civil Engineering Board of Studies, University of Pune. 9th & 10th 2016.
	June 2016	Deconstruction Practices for Residential Building	3 rd Post Graduate Conference for Civil Engineering (PGCON- 2015) organized at AISSMSCOE in association with the Civil Engineering Board of Studies, University of Pune. 9th & 10th 2016.
	June 2016	Acceptance of Precast Construction Technology in Housing Construction Industry of Pune City.	3 rd Post Graduate Conference for Civil Engineering (PGCON- 2015) organized at AISSMSCOE in association with the Civil Engineering Board of Studies, University of Pune. 9th & 10th 2016.
	June 2016	Detail Study of "Project Management Processes & it's Framework"	3 rd Post Graduate Conference for Civil Engineering (PGCON- 2015) organized at AISSMSCOE in association with the Civil Engineering Board of Studies, University of Pune. 9th & 10th 2016.
	April 2015	Aspects of Self Sufficient and Energy	2 nd Post Graduate Conference for Civil Engineering (PGCON- 2015) organized at MIT Kothrud in

		Efficient Urban Residential Buildings	association with the Civil Engineering Board of Studies, University of Pune. 23 rd & 24 th April 2015.
	April 2015	Risk Assessment and Mitigation for Real Estate Projects in Maharashtra Best Session Paper Award	2 nd Post Graduate Conference for Civil Engineering (PGCON- 2015) organized at MIT Kothrud in association with the Civil Engineering Board of Studies, University of Pune. 23 rd & 24 th April 2015.
	April 2015	Identify the factor that was likely to cause cost overrun and delays in construction	2 nd Post Graduate Conference for Civil Engineering (PGCON- 2015) organized at MIT Kothrud in association with the Civil Engineering Board of Studies, University of Pune. 23 rd & 24 th April 2015.
	April 2015	Smoke regulation and emergency provisions to counteract fire hazards in high rise buildings	2 nd Post Graduate Conference for Civil Engineering (PGCON- 2015) organized at MIT Kothrud in association with the Civil Engineering Board of Studies, University of Pune. 23 rd & 24 th April 2015.
	April 2015	Comparative study of issues related to night time construction of flyover project	2 nd Post Graduate Conference for Civil Engineering (PGCON- 2015) organized at MIT Kothrud in association with the Civil Engineering Board of Studies, University of Pune. 23 rd & 24 th April 2015.
	April 2015	Forecasting of a construction project by earned value method	2 nd Post Graduate Conference for Civil Engineering (PGCON- 2015) organized at MIT Kothrud in association with the Civil Engineering Board of Studies, University of Pune. 23 rd & 24 th April 2015.
	April 2015	Role of project management consultant in civil engineering -a case study of hadapsar- pune city road project	2 nd Post Graduate Conference for Civil Engineering (PGCON- 2015) organized at MIT Kothrud in association with the Civil Engineering Board of Studies, University of Pune. 23 rd & 24 th April 2015.
	June 2014	Life Cycle Cost Analysis of Pavements	1 st Post Graduate Conference for Civil Engineering (PGCON- 2014) organized at DYPIET Pimpri in association with the Civil Engineering Board of Studies,

			University of Pune. 21 st June 2014.
June 2014	Assessing Building Construction Projects Success for Delay & Cost Overruns		1st Post Graduate Conference for Civil Engineering (PGCON- 2014) organized at DYPIET Pimpri in association with the Civil Engineering Board of Studies, University of Pune. 21 st June 2014.
June 2014	Effectiveness & Cost Analysis of Aluminum Formwork over the Conventional Formwork		1st Post Graduate Conference for Civil Engineering (PGCON- 2014) organized at DYPIET Pimpri in association with the Civil Engineering Board of Studies, University of Pune. 21 st June 2014.
February 2011	Evaluation and Monitoring of Micro Watershed using Remote Sensing(RS) Approach		National Conference on “Water for Future(NCWF-2011)” organized by department of civil & water management engineering, S.G.G.S.I.E &T, NANDED 25 th – 26 th February 2011.
December 2008	Remote Sensing & Geographic Information System Approach for Monitoring and Evaluation of Watershed		International Conference on “Emerging Trends in Engineering (PICETE-2008)” Held at Pravara Rural Engineering College, Loni from 20 th to 22 nd December 2008.
December 2008	EIA of Irrigation Projects: Neglected Intangible Benefits.		International Conference on “Emerging Trends in Engineering (PICETE-2008)” Held at Pravara Rural Engineering College, Loni from 20 th to 22 nd December 2008.
December 2008	Life Cycle Cost Analysis of Road		International Conference on “Emerging Trends in Engineering (PICETE-2008)” Held at Pravara Rural Engineering College, Loni from 20 th to 22 nd December 2008.
December 2008	Economic Analysis for a Proposed Flyover Scheme At Sancheti Hospital, Pune.		International Conference on “Transportation Planning and Implementation Methodologies for Developing Countries (TPMDC-2008)” Held During 3 rd to 6 th December 2008 at IIT Bombay.
June 2008	Reuse of Waste Water A Case Study of Nanded City		National Conference on “Sustainable Water Resources Development and Management (SWRDAM-2008)” Organized by Govt. College of Engineering Aurangabad on 13 th -14 th June 2008.
November	Rain water		National Seminar On “Rainwater

	er 2006	Harvesting and Recharging Groundwater	Harvesting And Water Management.” Organized by ISTE, Nagpur Center, From 11th Nov to 12th Nov, 2006.
	August 2006	Use of Geographic Information System (GIS) & Remote Sensing (RS) For Effective Watershed Management : An Overview	InfraCE-2006, National Seminar & Conference on fast track development of infrastructure in civil engineering organized from 12th and 13th August 2006 at Clarion The Westend, NASHIK.
	May 2006	Roof Top Rain Water Harvesting System Structure : Case Studies	Conference on “Engineering Technologies For Efficient Rain Water Harvesting & Soil Conservation” Organized by Deptt. Of Civil & Water Management At S.G.G.S.I.E. &Tech, Vishnupuri, Nanded. From May 29th to 30th , 2006.
Books Publication:		Management of Micro-Watershed Applying GIS & RS Techniques (ISBN 978-3-659-92713-3) Lambert Academic Publishing company.	
Profile Link :		Google Scholar Profile: https://scholar.google.com/citations?user=MwImOnkAAAAJ	
H -Index:		5	
Product Developed:		-	
Certifications :		29	
Awards/Appreciation/Achievements:		IARDO Educational Excellence Award 2022 for “Teaching and Research Excellence”	
Membership:		ISTE- LM-41017, IWWA- LM-4388, ISET -LM-1154, AM092142-7, ISG-L-1247, ISRM-LM-5032.	
Industrial Training :		-	
Resource Person /Expert Session/Jury Invited:		5	
Workshop/FDP/STTP attended(more than a Week):		8	
Event Organized Inter department/Inter college/ Other recognized Industry/IIT's/NPTEL/SPOKE N TUTORIAL/ etc. :		14	
Event Organized in Department:		25	
University level appointments:		As chairman for UG & PG subjects, PhD Guide, Approved PG Teacher	
Administrative Duties:		Worked as Vice Principal, HOD, PG Coordinator.	
Academics Duties:		Worked as Professor in Civil Engg	
Any Other		<u>At International Level :</u>	

- 1. WORKING AS HONORARY PEER REVIEWER FOR Water Resources Management (Springer Publication).** An International Journal – Published for the European Water Resources Association (EWRA) Editor-in-Chief: George Tsakiris ISSN: 0920-4741 (print version) ISSN: 1573-1650 (electronic version) Journal no. 11269
- 2. Global Journal of researches in engineering (GJRE) General engineering.** Type: Double Blind Peer Reviewed International Research Journal Publisher: Global Journals Inc. (USA & UK) **Online ISSN: 2249-4596 & Print ISSN: 0975-5861.**
- 3. International Journal of Innovative Research in Science and Engineering, ISSN:2347-3207** Publisher: India 98-102 Heathcote Rd, Moorebank, 2170 NSW, Australia.
- 4. Trans stellar Journal Publications and Research Consultancy Private Limited (TJPRC)** Type: Double Blind Peer Reviewed International Research Journal Publisher: TRANS STELLR Journals. (INDIA) International Journal of Civil, Structural, Environmental and Infrastructure Engineering Research and Development **ISSN(P):2249-6866 ; ISSN(I):2249-7978 ; Impact Factor: 5.4829.**
- 5. Advances in Science, Technology and Engineering Systems Journal (ASTESJ) (ISSN: 2415-6698)** A Bimonthly Peer-Review Journal.
- 6. INTERNATIONAL JOURNAL OF CREATIVE RESEARCH THOUGHTS**
[UGC and ISSN Approved and added in the UGC Approved List of Journals Journal.](#) ISSN: 2320-2882 | Impact factor: 5.97 | ESTD Year: 2013.

At National Level:

- Expert for DRDO interview panel for selection and promotion of scientist 'B' & 'C'.
 - Expert for MPSC board for Civil Engineering Examination.
 - Examiner, Research Project & Ph.D. Thesis
 - Coordinator of Network Institute for IIRS-ISRO Outreach Programme.
- Tata Consultancy Services Subject Matter Expert (SME) in Civil Engineering.

At University Level :

- Recognized PhD Guide in Pune University
- Recognized Post Graduate Teacher in Pune University.
- Working as Civil Engg Subject Expert for PhD Interviews.
- Worked as Expert Committee Member for starting new colleges under Pune
- University for academic year 2011-2012, (Visited for Inspection during 07-02-2011 to 20-02-2011).
- External Senior Supervisor appointments for FE Online Engineering Examination for the Subject of Engineering Mechanics.
- Chairman for various subjects of under graduate and post graduate courses in Pune University.

	• Examiner for the subject Engineering Mechanics, BC&EE. • External Examiner for Oral Practical Exam. • External & Internal Senior supervisor for Theory Exam. Chairman for Syllabus Revision of ME Construction Management Elective-I <u>At DTE Level (Diploma Level) :</u> • Controller of Exam for MSCIT online Exams. • Examiner in M.S.B.T.E. Exams for the subjects Transportation Engg., Environmental Engg, Hydraulics, Irrigation Engg. • Q/C Officer in M.S.B.T.E. Exam at Institute RAC Center. • Member of Vigilance Squad for MSCIT Exams & M.S.B.T.E. Exams. • Expert Teaching Faculty for Training Program on “APPLICATION OF STAAD PRO SOFTWARE” Sponsored by M.S.B.T.E. Sports In-charge in Inter zonal Tournament. <u>At Institute Level (Degree Level):</u> • Vice Principal at JSPM’S ICOER, Wagholi. • Head of civil engineering department at JSPM’S ICOER, Wagholi. • Coordinator for Faculty recruitment at JSPM’S ICOER, Wagholi. • NBA Coordinator for Civil Engineering Department. • PG Coordinator for Civil Construction & Management at JSPM’S ICOER, Wagholi. • Coordinator for High Impact Teaching Skill Dale Carnegie Training. • Member of different committees formed for inspection. • Coordinator for Building maintenance, magazine & cultural committee. • Coordinator for All India Survey for Higher Education (AISHE)

Approval Status	• Recognized PhD Guide in Savitribai Phule Pune University • Recognized Post Graduate Teacher in Savitribai Phule Pune University • Approved Professor in Civil Engineering Savitribai Phule Pune University.
-----------------	---

PhD Thesis Guided/ Ongoing

Sr. No.	Title of Thesis	Name of Research Scholar	Status
1.	Mitigation of Landslide Hazard by Co-relation between the Soil Characteristics and Drainage Pattern with ancillary contribution of Geospatial Techniques	Mr. Sudarshan S. Bobade	PhD is awarded
2.	Identification of suitable site for rain water harvesting structures in urban area for ground	Mrs. Supriya Rayjade Nalawade	Thesis Submitted for

	water recharge using geomatic approach		Evaluation
3.	Analysis and Development of Artificial Indus Hip Joint Prosthesis using Finite Element Method	Mrs. Pallavi Vangari	Registered Ongoing
4.	Experimental investigation of laterite soil with biopolymers and development of prediction models for stabilized soil using artificial neural network.	Mr. Banne Shailendra Pandurang	Registered Ongoing
5.	Analysis of Sedimentation and Capacity Reduction in a Reservoir Applying Geospatial Techniques	Ms. Gayatri N. Mawale	Registered Ongoing

Grants & Funds Received Applied.

Sr. No.	Title	Amount Granted	Granting Agency	Period
1.	State Level Conference on “Research Methodology and IPR Filing”	Rs. 90000/- (Received)	SPPU	11 & 12 th January 2019

COPYRIGHTS:

	Title	Registration Number	Date of Granted	Co Applicant
1.	Mitigation of Landslide Hazard by Co-relation between Soil Characteristics and related Drainage using Geospatial Techniques	L – 89321/2020	11/02/2020	Sudarshan Sampatrao Bobade
2.	Experimental investigation of laterite soil With biopolymers and development of Prediction models for stabilized soil using Artificial neural network	L- 107157/2021	02/09/2021	Banne Shailendra Pandurang
3.	Analysis of sedimentation and capacity reduction in a reservoir applying geospatial techniques	L- 108852/2021	02/11/2021	Gayatri Nitin Mawale

PROJECTS GUIDED

	At Graduation Level	Post-Graduation Level
1.	17	41

MAJOR TRAINING/COURSES ATTAINED AND CETRIFICATIONS (27 attained)

1.	Two Week ISTE Approved Online Faculty Development Program on “Research Proposal, Funding Agencies, Product Development and Consultancy” organized by PCCOE, Pune on 28 th September
----	--

	to 09 th October 2020.
2.	One week TEQIP Online STTP on “ Advanced Technologies in Water Resources Management (ATWARM-2020) ” organized by Department of Civil Engineering, Govt. College of Engineering Aurangabad on 23rd to 27th November 2020
3.	Eight Week ISRO sponsored NNRMS course on “ Remote Sensing and Geographical Information System Applications in Water Resources ” Organized by IIRS Dehradun ISRO, Dept. of Space Govt. of INDIA on 13 th May to 5 th July 2019
4.	Eight Weeks NPTEL Course on “Introduction to Geographic Information Systems” Elite certificate. Roll No- NOC18CE10S1740197, Feb-March 2018
5.	The Institution of Engineers certification as Chartered Engineer [INDIA] Civil Engineering.
6.	Four Weeks Training program on “ Introduction to GIS & its Applications ” Organized at NRSA Hyderabad, Dept. of Space, Govt. of INDIA on 12 th Sept to 07 th Oct 2015.
7.	Two Weeks Training Program on “ Applications of RS-GIS (Geoinformatics) in Water Sector ” Organized by Government of INDIA Central Water Commission National Water Academy Pune 16 th to 26 th March 2010
8.	Twelve Weeks Training Course on “ Geographic Information System(GIS) ” Organized by Civil Engineering Dept. College of Engineering Pune, on 11 th Dec 2008 to 11 th March 2009.

TRAININGS / CONFERENCES/WORKSHOPS ORGANIZED

1.	Two Days State Level Workshop on “ Research Methodology, Indian Patent Drafting and Filing Procedure ” organized as Coordinator & Vice Principal on 11th–12th, January 2019.
2.	Two Days National Level Post Graduate Conference “ Fifth Civil Engineering PGCON 2018 ”organized as Convener & HOD on 11th–12th, June 2018.
3.	Three Days National Level Workshop and Conference on “ Industrial Practices in Civil Engineering- (IPCE-III 2018) ” organized as Convener & HOD on 25th–27th, April 2018.
4.	Two Week National Level Online Outreach training course on “ RS & GIS applications in Water Resources ” organized as Coordinator in association with IIRS Deheradun ISRO during 16th to 27th April 2018.
5.	Three Days National Level Workshop on “ Industrial Practices in Civil Engineering- (IPCE-II 2017) ” organized as Convener & HOD on 16th–18th, August 2017.
6.	One Week National Level Online Outreach training course on “ UAV Remote Sensing and Applications ” conducted by IIRS Deheradun ISRO organized as Coordinator on July 03, 2017 to July 07, 2017.
7.	One Day value added workshop “ Fundamentals of Quantity Estimation and Project Management ” organized as Convener on 3rd Feb 2017.
8.	One Day Faculty Development program on “ Enrichment of Teaching- Learning Environment ” organized as Chief Organizer on 15th November 2016.

9.	Three Days National Level Workshop on “Industrial Practices in Civil Engineering- (IPCE 2016)” organized as Convener & HOD on 3rd –5th, May 2016.
10.	Two Days Short term training program on “Thrust Areas of Research and Essential Techniques for Optimization and Modeling” organized as Organizing Member on 29th & 30th April 2015.
11.	Two Days National Level Workshop cum championship on “STAAD Pro” organized as Coordinator on 20th – 21st September 2014. Certification By- MEGAiTH',IS, IIT.KHARAGPUR in Association with MAGIIIVA TECHNOLOGY
12.	One Week National Level ISTE Sponsored Short Term Training Program On “Planning And Design For Green Building Energy Simulation” organized as Co-Convener on 11th – 16th, March 2013.
13.	Two Days State Level Workshop on “Eco- Housing: Certification of Residential Buildings” was organized as Convener on 5th & 6th Oct 2010.
14.	State Level Technical Paper Presentation Competition “ZENITH-2009” was organized on 11th Feb 2009.

Eminent Talks/ Resource Person/Speakers:

1.	AICTE sponsored Six days Short term training programme on “Emerging applications of Geographic Information System” organized by Department of Civil Engineering, AISSMS College of Engineering, Pune from 30th November to 19th December 2020 in three phases. As Resource Person.
2.	BOS Civil Engineering SPPU and Singhad Technical Education Society's SCOPE Pune, Department of civil Engineering Organized Five days workshop on “Online syllabus orientation workshop for Second Year Civil Engineering (2019 Pattern)” during 22nd to 26th June 2020. As Resource Person.
3.	BOS Civil Engineering SPPU and Singhad Technical Education Society's SIT&S Pune, Department of civil Engineering Organized Two days workshop on “Effective teaching methodology in Fluid Mechanics-I and practical detailing” during 20th December to 21st December 2018. As a Resource Person.
4.	ISTE and AICTE Approved One Week Short Term Training Program (STTP) On “Application of Remote Sensing and GIS in Disaster Management: Response , Recovery and Reconstruction” organized by Mahatma Education Society's PILLAI HOC COLLEGE OF ENGINEERING & TECHNOLOGY, RASAYANI, TAL: KHALAPUR DIST. RAIGAD during Jan 05th, 2018 (Friday) to Jan 11th, 2018 (Thursday). As Eminent Speaker.
5.	BOS Civil Engineering SPPU and Singhad Technical Education Society's SIT&S Pune, Department of civil Engineering Organized two days workshop on “Effective teaching methodology in Fluid Mechanics-II and practical detailing & quot of Hydrology and water resources engineering” during 30th June to 1st July 2014. As a Resource Person.
6.	Delivered Seminar on topic “Rain Water Harvesting” at Conference conducted by Risod Press Council & Municipal Council Risod, Dist. WASHIM, on 12th June 2005.

