



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



Academic Year: 2021 - 22

Faculty Profile



Name of Faculty:	Bobade Sudarshan Sampatrao		
Qualification :	M.E. Civil (Construction Management), Ph.D. Civil (Pursuing)		
Designation :	Assistant Professor		
Department :	Civil Engineering		
Date of Joining :	15/06/2016		
Experience :	Teaching : 10 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
	Innovative and Efficient Logistic System for Sugar Industries	201621030821	Filed
	Innovating and Efficient Smart Calculator with Unit System	201621032482	Filed
	Compact Waste Water Treatment Unit with the provision of Waste Water Clarification and Sludge Processor	201721034417	Published
	Smart And Innovative Lid To Avoid Spillage Of Milk	201721041383	Published
	ISUAV-Woman Security: Intelligent Woman Security Using Streetlight and Auto Run Unmanned Aerial Vehicle Using IOT- Based Technology	Australian patent 2020102989	23-10-2020 GRANTED
	Movements/shifts/displacements monitoring SMART box of Earth Retaining Structures in Landslides Mitigation	Australian patent 2020103096	29-10-2020 GRANTED
	Precast Karmaveer Bandhara	202021050661	Filed
	Storm Drain Grate to Prevent Entry of Floating Debris / Trash / Material / Litter	202011046925	Filed
	Efficient Reuse of Grey Water to flush the toilets without Pumping	202121023530	Published

	in G+1 or Multi-Storey building		
	Fakta tuzach- Poem	L-73780/2018	Registered
	Mitigation Of Landslide Hazard By Correlation Between Soil Characteristics And Related Drainage Using Geospatial Techniques	L-89321/2020	Registered
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	FERROCRETE 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
	Conference Publications:	Year	Title of Paper
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"
Books Publication:			
Profile Link :	Orchid Profile: https://orcid.org/0000-0001-7839-1855 Web of Science Researcher ID: ABI-8348-2020 Google Scholar Profile: https://scholar.google.com/citations?user=WdiIRuQAAAJ&hl=en&oi=ao		
H -Index:	01		
Product Developed:	H-Block for slope stabilization Compact Sewage Treatment Plant Sanifit +		
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. 		
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. 02 International Granted Patents 		
Membership:	LM-ISTE, LM-ISRS, LM-IRC		
Industrial Training :	CTS India Pvt. Ltd.		
Resource Person /Expert Session/Jury Invited:	<ol style="list-style-type: none"> 1. Resource Person in One Day State level seminar on “Careers in Intellectual Property Rights (IPR-2018)”at Dahiwadi College Dahiwadi. (10th March 2018) 2. Resource Person in Workshop on “Patent and Patent Drafting” at 		

	<p>Rayat Shikshan Sanstha's, Karnaveer Bhaurao Patil College of Engineering, Satara under Lead college scheme of Shivaji University and Rayat Institute of Research and Development (RIRD) Satara. (14th March 2018)</p> <ol style="list-style-type: none"> 3. Eminent Speaker at ISTE approved one week Short Term Training Program (STTP) on "Application of Remote Sensing and Geographic Information System in Disaster Management: Response, Recovery and Reconstruction" (09th and 10th January,2018) 4. Resource Person in FDP on "Role of Remote Sensing and GIS in Engineering Applications and Intellectual Property Rights" at Jayhind College of Engineering, Kuran. (26th Sept. 2018) 5. Expert talk on "Disaster Management", delivered in NSS special camp at Nande for Dr. D. Y. Patil Institute of Engineering, Management and Research, Pune. (05th Feb.2019) 6. Resource Person for 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. (30th November to 19th December 2020.) 7. Resource Person for One Day, Online Awareness Programme on "Intellectual Property Rights and Patents" at Maharashtra Udaygiri Mahavidyalaya, Udgir. (25th March 2021) 8. Keynote Speaker for webinar on "IPR - Patent" at PCET's PCCOER, Ravet, Pune(11th Dec.2020)
<p>Workshop/FDP/STTP attended (more than a Week):</p>	<ol style="list-style-type: none"> 1. ISRO Sponsored NNRMS Course on "Remotes Sensing and Geographical Information System in Water Resources" conducted by Indian Institute of Remote Sensing, Dehradun (01st May 2017 to 23rd June 2017) 2. Attended One week course on "UAV Remote Sensing and Applications" organized by PCET's PCCOER, Ravet, Pune.(3rd July to 7th July 2017) 3. Attended the One National Workshop on "Popularization of Remote Sensing Based Maps and Geographical Information" organized by Indian Society of Remote Sensing and Indian Space Research Organization on eve of National Remote Sensing Day (11th August 2017) 4. Attended the Short Term Training Programme on "Recent Trends in Infrastructure Development and Management" organized by ICEM, Pune. (11th and 12th December 2017) 5. Attended Two Day State Level Seminar sponsored by Savitribai Phule Pune University, Pune on "Digital Land Survey and Mapping" organized by G.H. Raisonni Institute of Engineering and Technology, Wagholi, Pune. (24th and 25th January 2018) 6. Attended One Day State Level Seminar on "Careers in Intellectual Property Rights IPR-2018" organized Dahiwadi College, Dahiwadi. (10th March 2018) 7. ISRO Sponsored "Bhuvan Overview" training programme conducted by National Remote Sensing Centre, Hyderabad. (27th and 28th March 2018) 8. Attended Two days Hands on workshop on "Technical Documentation using LaTeX Software" organized by RIT-CTL, Rajaramnagar. (8th and 9th February 2019) 9. Attended NPTEL FDP on "Digital Land Surveying and Mapping (DLS&M)" (Feb-March 2019) 10. Attended Faculty Development Program (FDP) on "Python" organized by department of Computer Engineering (PHCET) in association with "Spoken Tutorial Project" IIT, Bombay at Pillai HOC College of Engineering & Technology (PHCET), Rasayani. (21st April to 25th April 2020) 11. Attended one week online Faculty Development Program on "Entrepreneurship in Material Testing and consultancy Services in Civil

	<p>Engineering (NABL Accreditation)” organized by D.Y. Patil School of Engineering, Pune. (21st to 25th December 2020.)</p> <p>12. Participated and completed Five Days Online Faculty Development Programme on “EMERGING TRENDS IN CIVIL ENGINEERING” organized by Department of Civil Engineering A. P. Shah Institute of Technology, Thane.(22nd June to 26th June 2020).</p> <p>13. ISTE Approved Two Week Online Faculty Development Program on “Research Proposal, Funding Agencies, Product Development and Consultancy ” organized by PCET’s PCCOE, Pune.(28th Sept. to 09th Oct. 2020)</p> <p>14. Participated in Three Days Online Faculty Development Program on “Technology Startup and IPRs” organized by Dr. Babasaheb Ambedkar Technology University, Lonere and Karmveer Bhaurao Patil College of Engineering, Satara. (15th -17th March 2021)</p> <p>15. Participated in Three Days Workshop on “Online Content Delivery for B.E. Civil (2015 Pattern) in the subject TQM-MIS” organized by AISSMS College of Engineering, Pune in association with Board of Studies Civil Engineering, SPPU, Pune. (14th to 16th July 2020)</p> <p>16. Participated in Three Days Workshop on “Online Content Delivery for B.E. Civil (2015 Pattern) in the subject Transportation Engineering” organized by AISSMS College of Engineering, Pune in association with Board of Studies Civil Engineering, SPPU, Pune. (14th to 16th July 2020)</p> <p>17. Participated in Three Days Workshop on “Online Content Delivery for T.E. Civil (2015 Pattern) in the subject Transportation Engineering” organized by Dr. Vitthalrao Vikhe Patil College of Engineering, Ahmednagar in association with Board of Studies Civil Engineering, SPPU, Pune. (1st to 3rd July 2020)</p> <p>18. Participated in Three Days Workshop on “Online Content Delivery for S.E. Civil (2019 Pattern) in the subject Transportation Engineering” organized by Dr. Vitthalrao Vikhe Patil College of Engineering, Ahmednagar in association with Board of Studies Civil Engineering, SPPU, Pune. (22nd to 26th June 2020)</p> <p>19. Successfully completed 5 Days workshop on “Creating Effective Dashboards” organized by JS Academy, Microsoft Certified Trainer. (11th to 16th May 2021)</p> <p>20. Participated in One Week Online Faculty Development Program on “Recent Trends in Concrete Technology” organized by ADCET, Ashta (05th July to 09th July 2021)</p> <p>21. Participated one week STTP on “Disaster Management and Risk Reduction - A Geospatial Approach”, Under Lead College Scheme Shivaji University Kolhapur organized by AGTI’s DACOE, Karad (16th June to 21st June 2021)</p>
Event Organized Inter department/Inter college/ Other recognized Industry/IIT’s/NPTEL/SPO KE N TUTORIAL/ etc. :	<ol style="list-style-type: none"> 1. IIRS Outreach Programme 2. MCED Workshop 3. 4. 5.
Event Organized in Department:	<ol style="list-style-type: none"> 1. RPPIPD-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
University level appointments:	<ol style="list-style-type: none"> 1. Paper Setter
Administrative Duties:	<ol style="list-style-type: none"> 1. Convener-Institute Innovation Council 2. Member-Incubation and Entrepreneurship Development
Academics Duties:	<ol style="list-style-type: none"> 1. Assistant Professor Civil, Course Coordinator Transportation

	Engineering and Quantity Surveying, Contracts and Tenders 2. Member Incubation and Entrepreneurship Cell, Member Grievance, and Discipline Committee at Department Level
Any Other	Reviewer: 1. Sustainable Civil Infrastructures, SUCI-Springer 2. ASTM International, Journal of Testing and Evaluation