



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



**Academic Year: 2024 - 25**

**Faculty Profile**



<b>Name of Faculty:</b>	Dr Shivganga Gavhane			
<b>Qualification :</b>	PhD			
<b>Designation :</b>	Asst. Professor			
<b>Department :</b>	Computer Engineering			
<b>Experience :</b>	16 Years			
<b>Research Areas / Area of Specialization</b>	Machine Learning, Deep Learning, Data Science.			
<b>Courses / Subjects Taken:</b>	i. Machine Learning	ii. Data Science		
	iii. Deep Learning	iv. Theory of Computation		
	v. Operating System	vi. Object Oriented Programming		
	vii. Discrete Maths	viii. Data Structures		
	ix. Principals of Programming Language	x. Programming and Problem solving		
	xi.	xii.		
	xiii.	xiv.		
	xv.	xvi.		
	<b>IPR : Patent</b>	<b>Title</b>	<b>Docker No./ Diary No.</b>	<b>Registered /Filed</b>
		HAND WARMING KEYBOARD	202421035470	Published
A METHOD FOR THE SENTIMENT ANALYSIS OF FEEDBACK OBTAINED USING TEXT AND VISUAL DATA EXTRACTION		202421035467	Published	
<b>Copyright</b>	LITERARY/ DRAMATIC WORK USING ADVANCED METHODS AND ALGORITHMS TO DETECT DEEPPFAKE VIDEOS AND IMAGES TO PREVENT SPREAD OF MIS INFORMATION	L-143966/2024		

	LITERARY/ DRAMATIC WORK QUANTAVIZ TRANSFORMING DATA WITH AUTOMATION INTRODUCES AN INNOVATIVE SOLUTION THAT MERGES AUTOMATION WITH DATA TRANSFORMATION	L-142152/2024	
<b>Research Publications :</b>			
<b>Journal Publications:</b>	<ol style="list-style-type: none"> <li>1. Paper published on "Machine intelligence based early prediction methods for Cardiovascular Diseases (CVDs)" in Journal of electrical Systems, ISSN: 2147-6799, Vol. 20, No. 2s, April 2024. (<b>Scopus</b>)</li> <li>2. Paper published on "Cutting-Edge Neural Network for Early Cardiovascular Disease Prevention" in International Journal of Intelligent Systems and Applications in Engineering, ISSN: 2147-6799, Vol. 12, No. 3, Nov 2023. (<b>Scopus</b>)</li> <li>3. Paper published on "Performance Analysis of Cardiovascular Diseases Using Machine Learning" in Smart Innovation, Systems and Technologies, ISBN : 978-981-19-2718-8, Vol 303, May 2022. (<b>Springer</b>)</li> <li>4. Paper published on "A systematic review of Machine learning techniques for Heart disease prediction" in INTERNATIONAL JOURNAL OF NEXT-GENERATION COMPUTING (IJNGC), ISSN: 0976-5034, Special Issue, Vol. 12, No. 2, April 2021. (<b>Web of Science</b>)</li> <li>5. Paper published on "SEMANTIC ANALYSIS IN INTERNET OF THINGS" in Journal of Interdisciplinary Cycle Research ISSN NO: 0022-1945, Volume XI, Issue XII, December/2019, Page No:431-440.</li> <li>6. Paper published on "Product Recommendation using Machine Learning Algorithm - A Better Approach" in International Journal of Engineering Research &amp; Technology (IJERT), ISSN: 2278-0181, Vol. 8 Issue 11, November-2019</li> <li>7. Paper published on "Smart Library Automation and Monitoring" in International Journal of Engineering and Techniques – Volume5 Issue6 December 2019.</li> <li>8. Paper published on "A survey of Big data Methodologies using IoT and its Applications" in International Journal of Engineering and Techniques – Volume5 Issue6 December 2019.</li> <li>9. Paper presented on "A SURVEY ON MACHINE LEARNING IN FUSION WITH INTERNET OF THINGS", International Conference on Multidisciplinary Research IRI, Chandigarh, ISBN:978-81-943584-6-6, 21<sup>st</sup> Dec, 2019.</li> <li>10. Paper published on "IMPLEMENTATION OF WEB APPLICATION USING LARAVEL FRAMEWORK" in International Journal of Engineering Sciences &amp; Management Research (IJESMR), ISSN 2349-6193, Volume 4, Issue 5, May, 2017</li> <li>11. Paper published on "Smart Parking System Using IOT and Cloud Computing" in International Journal of Creative Research Thoughts (IJCRT), ISSN: 2320-2882, Volume 6, Issue 2 April 2018</li> <li>12. Paper published on "MOBILE APP FOR SANSAD ADARSH GRAM YOJANA" in International Journal of Advance Research in Engineering, Science &amp; Technology, e-ISSN: 2393-9877, p-ISSN: 2394-2444, Volume 5, Issue 6, June-2018</li> <li>13. Paper published on "Achieving Platform Security in Internet Transaction using LDEA" in International Journal of Advance</li> </ol>		

	Research in Engineering, Science & Technology, e-ISSN: 2393-9877, p-ISSN: 2394-2444, Volume 5, Issue 5, MAY-2018
	14. Research paper on "Study of Implementation of Society Management System" is published in International Journal of Computer Application (IJCA) ISSN: 0975 – 8887, volume 132, Issue 01, pp. 34-36, December 2015.
	15. Research paper on "Hand Motion Tracking for Alphabet Recognition using ANN" is published in International Journal of Computer Application (IJCA) ISSN: 0975-8887, volume 83, Issue 04, pp. 5-10, December 2013.
	16. Research paper on "Alphabet Recognition using Hand Motion Track" is published in International Journal of Engineering Research and Application (IJERA) ISSN: 2248-9622, volume 3, Issue 1, January-February 2013, pp. 289-293.
<b>Conference publications:</b>	1. Paper accepted on "AI-Driven Approach for Optimal Soil-Based Crop Recommendations" in Scopus Indexed Third International Conference on Intelligent Systems and Applications (ICISA 2024) Springer, April 2024. <b>(Scopus)</b>
	2. Paper accepted on "Emerging Threats, Current Solutions, and Ongoing Challenges Affecting Security and Privacy Due to IoT's Changing Features" in Scopus Indexed Fourth International Conference on Contents, Computing and Communication (ICCC), October 2023. <b>(Scopus)</b>
	3. Research paper presented on "A Secured Mobile Health Care System Using Wireless Body Sensor Network" 20th International Conference on Cloud Computing Computer Science and Advances in Information Technology (ICCCIT 2016), ISSN: 978-93-85225-68-0, 3rd July, 2016
	4. Research paper published on "A Secured Mobile Health Care System Using Wireless Body Sensor Network" INTERNATIONAL JOURNAL OF ADVANCES IN CLOUD COMPUTING AND COMPUTER SCIENCE (IJACCS), ISSN (PRINT): 2454-406X, (ONLINE): 2454-4078 , 2016.
	5. sPresented paper in "Open Source Enterprise Search Platforms: A Comparative Study Between Elastic search And Solr" in National Conference on Recent Trends and Advances in Computing, Communication and Security (NCRTACCS), Organized by SCOE Pune. 16 <sup>th</sup> – 17 <sup>th</sup> Feb 2017.
	6. Presented paper on "Hand Motion Tracking for Alphabet Recognition" in Computer Engineering – PG Conference (c-PGCON), 21st – 22nd April 2012.
<b>Books Publication:</b>	
<b>Profile Link :</b>	<p><b>Scopus Profile:</b>  <a href="https://scopus.com/authid/detail.uri?authorId=57715092000">https://scopus.com/authid/detail.uri?authorId=57715092000</a></p> <p><b>Google Scholar Profile:</b>  <a href="https://scholar.google.com/citations?user=icOYB24AAAAJ&amp;hl=en&amp;authuser=1">https://scholar.google.com/citations?user=icOYB24AAAAJ&amp;hl=en&amp;authuser=1</a></p> <p><b>Orchid Profile:</b></p>
<b>Google Scholar Citations:</b>	24
<b>H-Index:</b>	3
<b>I10 index</b>	0
<b>Product Developed:</b>	NA
<b>Certifications :</b>	
	Python for Data Science NPTEL
	An Introduction to Ethical Publishing Behavior Coursera
	Good Citation Behavior Coursera

<b>Awards/Appreciation/Achievements:</b>	<ul style="list-style-type: none"> <li>• Silver medal in NPTEL</li> </ul>																									
<b>Membership:</b>	<ul style="list-style-type: none"> <li>• ISTE</li> <li>• IAENG</li> </ul>																									
<b>Industrial Training :</b>	-																									
<b>Resource Person /Expert Session/Jury Invited:</b>	<b>Invited as Women inspirer at IIT Bombay in WiSE (Women in Science and Engineering)</b>																									
<b>Number of Workshops /FDPs/STTPs attended</b>	<table border="1"> <thead> <tr> <th>Sr. No</th> <th>Place</th> <th>Workshops Attended</th> <th>Date</th> <th>Place</th> </tr> </thead> <tbody> <tr> <td>1</td> <td></td> <td>"Deep Learning"</td> <td>09 th Jan 2023 to 20 th Jan 2023</td> <td>AIT Pune</td> </tr> <tr> <td>2</td> <td></td> <td>Data Science using Machine Learning</td> <td>2nd January 2023 to 6th January 2023</td> <td>Pravara Rural Engineering College</td> </tr> <tr> <td>3</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	Sr. No	Place	Workshops Attended	Date	Place	1		"Deep Learning"	09 th Jan 2023 to 20 th Jan 2023	AIT Pune	2		Data Science using Machine Learning	2nd January 2023 to 6th January 2023	Pravara Rural Engineering College	3									
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<b>Event Organized in Department:</b>																										
<b>University level appointments:</b>	<b>Paper setter, Curriculum Design, Internal Senior Supervisor.</b>																									
<b>Administrative Duties:</b>	<b>Program Coordinator</b>																									
<b>Academics Duties:</b>	<b>Practical Oral Exam Coordinators</b>																									
<b>Any Other</b>	<b>(Text)</b>																									