

FACULTY PROFILE



1.	Name of the Faculty	Dr. Manisha Mayur Kasar		
2.	Designation	Associate Professor		
3.	Department	Computer Science and Engineering		
4.	Date of Birth	20/04/1986		
5.	Date of joining the Institution	01/10/2021		
6.	Educational Qualification	M.Tech(comp), PhD (IT)		
7.	Contact Details	Mob. 7588314185 Ext.-		
8.	Total Experience in Years	Teaching	Industry	Research
		11 yrs	Nil	Nil
9.	Area of Specialization	Image Processing, Artificial Intelligence, Deep learning, Machine Learning, Natural Language Processing, pattern Recognition		
10.	Courses Taught	DL, NLP,OOP, PIPP, C, AI, DM, Web Technology, COD		
11.	Papers Published in Journals	National	International	
		Nil	25	
12.	Papers Presented in Conferences	National	International	
		1	5	
13.	Research Profile	No. of Citations	No. of Citations	No. of Citations
			278	
14.	Research Guidance	UG	UG	UG
		6 groups	8 going on	Nil
15.	Research Identity	Orcid Id		https://orcid.org/0000-0002-1963-8624
		ISI Research Id		
		Scopus Id		57188850136
		Google Scholar Id		https://scholar.google.com/citations?hl=en&user=p-WIIgcAAAAJ
		Microsoft Academic Id		
16.	Research Grants Received	Nil		
17.	IPRs/Patents/ Copyright	1. Automated Plant Watering System(Application Number: 202421049802)		

	<p>2. Smart Mirror System (1) With Infrared Blaster(APPLICATION NUMBER: 202321081395)</p> <p>3. Method To Identify Suspicious Financial Transactions And Prevent Fraud (APPLICATION NUMBER : 202331080539)</p> <p>4. Artificial Intelligence Based Color Changing Cooking Apparatus And Method For Indicating Cooking Status Of Food(APPLICATION NUMBER : 202521005625)</p> <p>5. RETRIEVAL AUGMENTED GENERATION (RAG) BASED PDF READER(APPLICATION NUMBER : 202521052958)</p> <p>6. AN ARTIFICIAL INTELLIGENCE (AI) POWERED SECURITY AND SURVEILLANCE SYSTEM (APPLICATION NUMBER : 202521052978)</p>
18.	<p>Publication Details: -</p> <p>Conference:</p> <p>1. Manisha M. Kasar, S.H. Pati, “Comparative Analysis of Facial Emotion Recognition Techniques”, International Conference on Recent Challenges in Engineering Science and Technology, 09th - 10th April, 2021 – Andhra Pradesh, India, pp. 67-74.</p> <p>International Journal:</p> <ol style="list-style-type: none"> 1. Manisha Kasar, “Sign language detection dataset: A resource for AI-based recognition systems”, Data in Brief, Vol 61, pp. 111703, 2025 (ESCI, SCOPUS) 2. Manisha Kasar, “EmoSense: Pioneering Facial Emotion Recognition with Precision Through Model Optimization and Face Emotion Constraints”, International Journal of Engineering:Transaction A, Vol. 38, No. 01, (January 2025), pp.35-45(ESCI, SCOPUS) 3. Manisha Kasar, “AI-Driven Precision Agriculture: Techniques for Monitoring Crop Health and Yield Optimization”, 4th International Conference on Technological Advancements in Computational Sciences, 2024 (SCOPUS) 4. Manisha Kasar, “Time Series Analysis in Electrical Load Forecasting”, Panamerican Mathematical, Vol 35, Issue 1S, 2025, pp. 210 - 219(SCOPUS) 5. Manisha Kasar, “An Efficient Approach for Decentralized Web Messaging Using WebRTC”, Lecture Notes in Networks and Systems, Vol 1317 LNNS, pp. 17 - 32, 2025 (SCOPUS) 6. Manisha Kasar, “Blockchain-Enabled Secure and Decentralized 5G Network Management”, Lecture Notes in Networks and Systems, vol 1328 LNNS, 2025, pp. 625 - 634 (SCOPUS) 7. Manisha Kasar, “Comparison of Google Analytics with Similar Web for Statistical Analysis of Website Traffic”, Communications in Computer and Information Science, Vol 2383 CCIS, pp. 53 - 67, 2025(SCOPUS) 8. Manisha Kasar, “Interior Designing Using Markerless Augmented Reality: A New Approach”, Communications in Computer and Information Science”, vol. 2383 CCIS, 2025, pp. 68 - 83, 2025(SCOPUS) 9. Manisha Kasar, “Data Mining Techniques for Web Usage Mining”, Natural Language Processing for Software Engineering, 2025, pp. 259–270 (SCOPUS) 10. Manisha Kasar, “Varying views of maxillary and mandibular aspects of teeth: A dataset”, Data in Brief, 56, 2024, pp. 110772. (ESCI, SCOPUS) 11. Manisha Kasar, “A dataset revolutionizing Indian bay leaf analysis”, 57, 2024, pp. 111024. (ESCI, SCOPUS) 12. Manisha Kasar, “Yolo-Based Technique for Stubble Burning Detection System Using Web App”, Intelligent Systems And Applications In Engineering, 12(15s), 317–322, 2024. (SCOPUS) 13. Manisha Kasar, “AI-based real-time hand gesture-controlled virtual mouse”, Australian Journal of Electrical and Electronics Engineering, 2024, 1-10. (SCOPUS, PubMed) 14. Manisha Kasar, “Use of Convolutional Neural Network and SVM Classifiers for Traffic Signals Detection”, International Journal on Recent and Innovation Trends in Computing and Communication, 11(9),2023, 490–493.(SCOPUS) 15. Manisha Kasar, “ Training Convolutional Neural Network with Logistic Regression Model for Facial Recognition to Monitor Attentiveness in Classrooms”, International Journal of

	<p>Intelligent Systems and Applications in Engineering, 12(8s), 2024, 592–598. (SCOPUS)</p> <p>16. Manisha Kasar, “Quantitative Assessment of Advance Perceptive Approaches for Automation in an Optimal Self-Regulating Video Surveillance”, An International Conference of Futuristic Trends in Information Technology, Vijayapura, Karnataka, 29th April 2023.</p> <p>17. Manisha Kasar, “Novel Perceptive Approach for Automation on ideal self-Regulating Video Surveillance Model”, An International Conference of Futuristic Trends in Information Technology, Vijayapura, Karnataka, 29th April 2023.</p> <p>18. Manisha Kasar, “BLOCKART: THE BLOCKCHAIN SOLUTION TO E-COMMERCE”, Volume 12, Special Issue 5, June 2023, pp. 5505 - 5513</p> <p>19. Manisha Kasar, “Human Disease Prediction using Machine Learning Techniques and Real-life Parameters”, International Journal of Engineering, volume 36, number 6, June 2023, pp. 1092-1098</p> <p>20. Manisha M. Kasar, “Face Feature point detection using hybrid method”, Journal of Critical Review, Volume 7, Issue 15, 2020, pp. 369-378</p> <p>21. Manisha M. Kasar, S.H. Patil, “Study and Analysis of Facial Landmark Detection Techniques”, Solid State Technology, Volume 63, Issue 6, 2020, pp.13465-13481.</p> <p>22. Manisha M. Kasar, S.H. Patil, Debnath Bhattacharyya and Jason Levy, “Face Detection Techniques Using Database Images”, International Journal of Control and Automation, Volume 12, Number 6, 2019, pp.17-34.</p> <p>23. Manisha M. Kasar, Debnath Bhattacharyya and Tai-hoon Kim, “Face Recognition Using Neural Network: A Review”, is publish in International Journal of Security and its Application, (Scopus Index).</p> <p>24. Manisha M. Kasar, S.H. Patil “Comparative Analysis of Facial Emotion Recognition Techniques”, International Conference on Recent Challenges in Engineering Science and Technology, Andhra Pradesh, India, April 2021, pp.67- 74</p>	
19.	<p>Details of Workshops/FDPs/Seminars Attended: -</p> <p>Workshop:</p> <p>1. Introduction To Research Methodology, IIT, Bombay under the National Mission and Education through ICT(MHRD) 25th June to 04th July 2012</p> <p>2. Research Methodology, TEQIP-II 6th to 8th October 2015.</p> <p>3. Advance Statistics Methods and Software tools for the Analysis of Data, TEQIP-II 29th ,30th March 2016</p> <p>4. FDP on AI ML conducted by RPG Foundation as part of ESD program, Pune, 9th December 2019 to 10th December 2019</p> <p>5. FDP for the course CS&BS by TCS, Kolkata, 27th June 2019 to 28th June 2019</p> <p>6. Workshop on ‘Intellectual Property Rights (IPR) Awareness : Patent Drafting and Filing” by Research and Development Cell, BVDUCOEP, Pune 23rd July 2020 to 25th July 2020.</p> <p>7. FDP on Universal Human Value from 9th August to 13th August 2021, Conducted by Department of Engineering and Applied Science VIIT, Pune</p>	
20.	Membership of Professional Bodies	Nil
21.	Books Published	Dr.Manisha Kasar, “Role of IoT and Artificial Intelligence in Real-World Systems”, Scientific International Publishing House, 1 st edition, 2024
22.	Awards & Achievements	-
23.	Additional Activities/ Responsibilities	NAAC Co-ordinato(Dept), NIRF, India toady(All ranking) Coordinator, R&D member, Innovation Ambassador, ICT Academy and Excelr Co-Ordinator, IIC Member.