

# Faculty Profile

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## Educational Qualifications

Degree	University/Institution	Year of Passing
Ph.D.	PAHER, Pacific University, Udaipur	April 2022
M.E. (Information Technology)	MITCOE, Pune University	March 2010
B.E. (Computer Engineering)	MGMCOE, Navi Mumbai	May 1999

## Professional Experience

Sr. No.	Designation & Institute	Duration
1.	Assistant Professor, PICT, Pune	13.2 years
2.	Lecturer, PICT, Pune	3.10years
3.	Lecturer, MITCOE, Pune	6 months
4.	Lecturer, KJSCE, Ghatkopar, Mumbai	6 years
5.	Lecturer, SPCE, Andheri, Mumbai	6 months

## Research Publications

Sr. No.	Title	Publication/Conference
1	Amalgamate: An Integrated Communication Center for Android	Proceedings of the International Conference on Soft Computing for Problem Solving (SocProS 2011) December 20-22, 2011: Volume 2
2	Parallel approach for content based medical image retrieval system	Journal of Computer Science
3	Hybrid Sentiment Analysis-A Survey of Different Approaches and Techniques	Journal of Applied Science and Computations
4	Hybrid Corrective Critic Neural Network for Sentiment Classification in Community Media	3rd International Conference on Electronics and Communication and Aerospace Technology [ICECA 2019].

5	Optimization driven actor-critic neural network for sentiment analysis in social media	VINE Journal of Information and Knowledge Management Systems
6	Survey on Information Retrieval Accuracy in Biomedical Systems	<a href="https://papers.ssrn.com/sol3/papers.cfm?abstract_id=3602529">https://papers.ssrn.com/sol3/papers.cfm?abstract_id=3602529</a>
7	Gradient Descent based Support Vector Machine Approach for Sentiment Classification	Test Engineering and Management ISSN: 0193-4120 <a href="http://www.testmagazine.biz/index.php/testmagazine/article/view/9411">http://www.testmagazine.biz/index.php/testmagazine/article/view/9411</a>
8	Design and Implementation of Grievance Filing Application using Automatic Text Classification	International Journal of Innovative Technology and Exploring Engineering (IJITEE)
9	Impact of Lightweight Machine Learning Models for Speech Emotion Recognition	Advances in Intelligent Systems and Computing
10	Sentimental Evaluation of Sensitive Tweets using Hybrid Sentiment Analysis Model	3rd International Conference on Intelligent Computing, Information and Control Systems ICICCS 2021
11	Experimental evaluation of deep learning models for marathi text classification	Proceedings of the 2nd International Conference on Recent Trends in Machine Learning, IoT, Smart Cities and Applications: ICMISC 2021
12	Machine learning applied in emotion classification: a survey on dataset, techniques, and trends for text based documents	2023 9th International Conference on Advanced Computing and Communication Systems (ICACCS)
13	Comparative Study and Performance Analysis of Deep Neural Networks for Sign Language Recognition using Transfer Learning	2023 Third International Conference on Advances in Electrical, Computing, Communication and Sustainable Technologies (ICAECT)
14	Real-time word level sign language recognition using YOLOv4	2022 International Conference on Futuristic Technologies (INCOFT)
15	Indian Sign Language interpretation using convolutional neural networks	2023 10th International Conference on Signal Processing and Integrated Networks (SPIN)
16	Real-time indian sign language recognition using skeletal feature maps	2023 14th International Conference on Computing Communication and Networking Technologies (ICCCNT)
17	Voice-Based Smart Assistant System for Vehicles Using RASA	2023 International Conference on Computational Intelligence, Networks and Security (ICCINS)
18	Indian Sign Language Recognition using Skin Segmentation and Vision Transformer	2023 IEEE 20th India Council International Conference (INDICON)
19	Recent works in Sign Language Recognition using deep learning approach-A Survey	2023 OITS International Conference on Information Technology (OCIT)
20	Indian Sign Language Recognition System using GAN and Ensemble based approach	

21	Mapreduce framework based sentiment analysis of twitter data using hierarchical attention network with chronological leader algorithm	Social Network Analysis and Mining
22	Indian Sign Language Recognition in Real Time using YOLO NAS	2024 3rd International Conference for Advancement in Technology (ICONAT)
23	Indian Sign Language Recognition Using Video Vision Transformer	2024 3rd International Conference for Advancement in Technology (ICONAT)
24	Role of Artificial Intelligence in Crop Health Monitoring for Sustainable Farming-A Comprehensive Survey	Available at SSRN 4838268
25	Crop (Cotton) Health Monitoring Using Computer Vision and AI/ML	
26	Ensemble Of Machine Learning Models For Sentiment Analysis	International Journal of Engineering Research & Technology (IJERT)
27	Enhancing Cotton Disease Detection: A Deep Learning Approach Using Transfer Learning and Comparative Analysis	International virtual conference on Emerging Era of Applications of Computer
28	Video Sign Language Recognition - A Survey	GRADIVA REVIEW JOURNAL
29	Enhancing Accessibility for the Visually Impaired: Image Caption Generation and Speech Conversion Using Deep Learning	Gradiva review journal
30	Improvement in performance of Porter Stemmer.	Gradiva review journal
31	Comparative analysis of Stemming Algorithms	National Conference on Information Technology in Multi-Domain Industry, MIT COE, Pune
32	Architecture & Security Issues in mobile OS.	Emerging Trends in Computer, Communication and Information Technology, KJSCE, Ghatkopar Mumbai
33	Modern Information Retrieval techniques : A survey	National Conference Interface 2010 , VJTI, Mumbai
34	Experimental analysis of performance centric parameters in mobile platforms	Emerging Trends in Computer, Communication and Information Technology, KJSCE, Ghatkopar Mumbai
35	Blockchain Based Goods Authentication System	iPGCon, MITCOE, Kothrud, Pune
36	Dynamic Indian Sign Language Sentence Captioning System Using Machine Learning	2024 IEEE International Conference on Blockchain and Distributed Systems Security (ICBDS)

### Books Published (Chapter)

Sr. No.	Title	Publisher & Year
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1	Chapter in book series : Advances in Intelligent Systems and Computing	Springer Nature, 2021
2	Lecture Notes in Electrical Engineering (LNEE, volume 1295)	Springer Nature, 2025
3	Lecture Notes in Networks and Systems (LNNS, volume 237)	Springer Nature, 2022
4	Advances in Intelligent Systems and Computing ((AISC,volume 1387))	Springer Nature, 2021
5	Advances in Intelligent Systems and Computing ((AISC,volume 1415))	Springer Nature, 2021
6	Advances in Intelligent and Soft Computing ((AINSC,volume 131))	Springer Nature, 2011

### Conferences / Seminars Attended

Sr. No.	Conference/Seminar	Year

### Awards & Recognitions

Sr. No.	Award/Recognition	Year
1	Best Paper Award at 3rd International Conference on Electronics and Communication and Aerospace Technology	2019
2	Session chair IEEE conference, PCCOE	2024
3	Reviewer in International Scopus journals and IEEE conferences	since 2019
4	Judging in institute level SIH and hackathons	since 2022

### Areas of Interest

Sr. No.	Area
1	Data structures, Algorithms and Programming.
2	Language processing
3	Artificial Intelligence
4	Data Mining
5	Machine Learning