Faculty Profile

Name	Dr. Shridevi S. Vasekar
Designation	Assistant Professor
Department	Electronics and Telecommunication Engineering
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Educational Qualifications

Degree	University/Institution	Year of Passing
Ph. D. E & TC Engineering	Sinhgad College of Engineering, Pune	2022
Master of Engineering E & TC Engineering (Digital Systems)	Sinhgad College of Engineering, Pune	2007
Bachelor of Engineering Electronics Engineering	Walchand College of Engineering, Sangli	2003

Professional Experience

Sr. No.	Designation & Institute	Duration
1	Assistant Professor, Pune Institute of Computer Technology, Pune.	10th March 2022 – till date
2	Assistant Professor, Padmabhushan Vasatdada Patil Institute of Technology, Pune.	22nd January 2019 to 12th August 2021
3	Assistant Professor, Smt. Kashbai Navale College of Engineering, Pune.	1st July 2008 to 25th July 2018

Research Publications

Sr. No.	Title	Publication/Conference
1	Squeeze RNN with hybrid optimization: A novel approach for heart disease	Intelligent Decision Technologies, ISSN: 18724981, 18758843, DOI:

	prediction using gene expression data	10.1177/18724981241305875. (SCIE Indexed Q3 Journal)
2	Optimized dense convolutional network with conditional autoregressive value-at-risk for chronic kidney disease detection through group-based search	Indonesian Journal of Electrical Engineering and Computer Science, Vol. 37, No. 3, March 2025, pp. 2009~2020 ISSN: 2502-4752, DOI: 10.11591/ijeecs.v37.i3.pp2009-2020. (Scopus Indexed Q4 Journal)
3	Clustered Airport Modeling (CAM) by Integrating Network Based Characteristics for Flight Delay Prediction using ML	International Journal of Intelligent Systems and Applications in Engineering, Volume 2, Issue 4, 1648–1657. (Scopus Indexed Q3 Journal)
4	Automated Garbage Separation Using AI Based Robotic Arm	Journal of Electrical Systems Vol 20 No 2(S), ISSN:1112-5209, https://doi.org/10.52783/jes.1763. (Scopus Indexed Q4 Journal)
5	Analysing EEG Signals for Early Alzheimer's Disease Detection: Deep Learning vs. Traditional Machine Learning Approaches	International Journal of Electrical and Computer Engineering, Vol. 14, No. 3, June 2024, pp. 2602~2615, ISSN: 2088-8708, DOI: 10.11591/ijece.v14i3.pp2602-2615. (Scopus Indexed Q3 Journal)
6	Machine Learning Applications in Education: Trends and Future Directions	A Journal for New Zealand Herpetology Vol 12 Issue 01 2023, ISSN NO: 2230-5807, Biogecko, 2023/1. (Web of Science Indexed)
7	Modified Block-matching Algorithm for Moving Object Tracking in Video Surveillance	International Journal of Modeling, Simulation and Scientific Computing, ISSN:1793-9615, DOI : 10.1142/S1793962323500289, pp 2350028-1-22. (Scopus Indexed Q3 Journal)
8	Development of a Novel Algorithm for moving Object Tracking in video surveillance	International Journal of Innovation Technology and Exploring Engineering , ISSN: 2278-3075 (Online), Volume-8 Issue-12, October 2019. (Scopus Indexed)
9	Moving Object Tracking Algorithm for Complex Shape and Occlusion Handling	International Journal of Engineering and Technology ISSN: 2249-8958 (Online), Volume-9 Issue-1, October, 2019. (Scopus Indexed)

10	FPGA implementation of spectral analysis stage used in binary mask algorithm for hearing applications	IEEE International Conference on Information Processing, ICIP 2015,pp. 235-238. (Scopus Indexed)
11	Survey on quality and intelligibility offered by speech enhancement algorithms	1st International Conference on Computing, Communication, Control and Automation, ICCUBEA 2015, pp. 694-697. (Scopus Indexed)
12	Techniques for Knee Osteoarthritis Detection and Severity Grad-ing using Deep Learning	8th International Conference on Information and Communication Technology for Intelligent Systems, (ICTIS) Ahmedabad 4-5 April 2024. (Scopus Indexed)

Conferences / Seminars Attended: --

Sr. No.	Conference/Seminar	Year
1	Background Subtraction and Kalman Filter Algorithm for Object Tracking	2nd International conference on Recent Trends in Image Processing and Pattern Recognition (RTIP2R), Solapur University, India, 21-22 December 2018. (Elsevier)
2	A Method Based on Background Subtraction and Kalman Filter Algorithm for Object Tracking	4th IEEE International conference on computing communication control and Automation (ICCUBEA) Pimpri Chinchwad College of Engineering, Pune, India, 16-18 August 2018. (IEEE)
3	Contrast Enhancement and Edge Detection in Image Using Zedboard FPGA	International Conference on Computer, Control and Communication Technologies ICCCT - PUNE at Pune on 4th September 2016.

Awards & Recognitions

Sr. No.	Award/Recognition	Year
1	Ph.D Degree awarded from Savitribai Phule Pune University (SPPU), Pune	2022

Areas of Interest

Sr. No.	Area
1	Image/Video Processing
2	Data Analytics
3	Machine Learning
4	Deep Learning