

# Faculty Profile

Name Dr. Shyam Deshmukh  
Designation Assistant Professor  
Department Information Technology  
Email sbdeshmukh@pict.edu  
Phone +91-7709602019



## Educational Qualifications

Degree	University/Institution	Year of Passing
Ph.D.: Computer Science & Engineering	KL University (KLEF Deemed to be University)	2022
M.E. (Computer Engineering)	Govt. College of Engineering, Pune (COEP)	2007
B.E. (CSE)	Amravati University	1998

## Professional Experience

Sr. No.	Designation & Institute	Duration
1	Assistant Professor, PICT Pune	2007 - Present
2	Lecturer, PICT, Pune	1999 - 2007

## Research Publications

Sr.	Title	Publication/Conference
1	PCA and PSO based optimized support vector machine for efficient intrusion detection in Internet of Things	<i>Measurement: Sensors</i> , vol. 37, p. 101806, Feb. 2025. [Online]. Available: <a href="https://doi.org/10.1016/j.measurement.2024.101806">https://doi.org/10.1016/j.measurement.2024.101806</a> .
2	Privacy-preserving patient monitoring in healthcare IoT using attribute-based cryptography	<i>Journal of Discrete Mathematical Sciences and Cryptography</i> , 27:2-A, 513–524, DOI: <a href="https://doi.org/10.47974/JDMSC-1896">10.47974/JDMSC-1896</a> .

3	Pothole detection in bituminous road using convolutional neural network with transfer learning	<i>Indonesian J. Electr. Eng. Comput. Sci.</i> , vol. 33, no. 3, pp. 1950–1957, Mar. 2024. [Online]. Available: <a href="https://doi.org/10.11591/ijeecs.v33.i3.1950">https://doi.org/10.11591/ijeecs.v33.i3.1950</a> .
4	Design and Development of Parallel Algorithm for Graph Isomorphism	<i>Int. J. Intell. Syst. Appl. Eng.</i> , vol. 12, no. 10s, pp. 434–447, Jan. 2024.
5	Ensuring data confidentiality and integrity in edge computing environments: A security and privacy perspective	<i>J. Discrete Math. Sci. Cryptogr.</i> , vol. 27, no. 1, pp. 1–15, 2024. [Online]. Available: <a href="https://doi.org/10.47974/JDMS C-1898">https://doi.org/10.47974/JDMS C-1898</a> .
6	Collaborative Learning Based Straggler Prevention in Large-Scale Distributed Computing Framework	<i>Security and Communication Networks</i> , vol. 2021, Article ID 8340925, 9 pages, 2021.

### Conferences / Seminars Attended

Sr. No.	Conference/Seminar	Year
1	UHV	2023-08-18

### Areas of Interest

Sr. No.	Area
1	Distributed Systems
2	Cloud Computing
3	Distributed Data Processing