

Dr. SOWMYA M N

Assistant Professor, Department of CSE, SIT

Contact: 9986617496

Email: sowmyamn@sit.ac.in

Vidwan ID: 619811

Scopus ID: 58027211800

OrcID: 0009-0008-6938-3018

Faculty ID: SITN0071

Education

	Degree	Year	Institute	Specialization
1	B.E	2001	Bangalore Institute of Technology	CSE
2	M.Tech	2005	AAIDU	IT
3	Ph.D	2025	VTU, Belagavi	CSE

Professional Experience

	Date (from-to)	Designation	Organization
1	From 21/07/2023	Assistant Professor	SIT
2	25/01/2002- 20/07/2023	Assistant Professor	SSIT

Affiliations of Professional organizations

- MISTE Life Member

Courses Taught

Undergraduate Courses

- Principles of Programming using C
- Object Oriented Programming with C++
- Java Programming
- Web Programming
- Advanced Java
- Theory of Computation
- Compiler Design
- Design and Analysis of Algorithms
- System Software
- Database Management System

- Internet of Things
- Data structures and Applications
- Advanced Data structures
- Indian Knowledge System

Postgraduate Courses

- Advanced Algorithms
- Cloud Computing

Research Areas

- Machine/Deep Learning
- Image Processing

Publications

Journals

1. M N Sowmya, Keshava Prasanna, "Convolutd Neighborhood-Based Ordered-Dither Block Truncation Coding for Ear Image Retrieval", International Journal of Image and Graphics, World Scientific Publishing Company, <https://doi.org/10.1142/S0219467824500177> E-ISSN(Online): 1793-6756, Scopus Indexed: Q3 H-Index: 24 SJR: 0.24

2. Sowmya M N, Keshava Prasanna "Transfer learning with optimization enabled Person recognition using ear images" International Journal of Intelligent Systems and Applications in Engineering, 12(16s), 66–76. ISSN: 2147 6799, Scopus Indexed: Q4 H-Index: 16 SJR: 0.21

Conference Proceedings

1. M. N. Sowmya and K. Prasanna, "Person Recognition Using Ear Images Based on Fractional Gannet Sparrow Optimization Enabled Deep Learning," 2024 International Conference on Knowledge Engineering and Communication Systems (ICKECS), Chikkaballapur, India, 2024, pp. 1-7, doi: 10.1109/ICKECS61492.2024.10616424.

Book Chapters

1. AI-Driven Circuit Debugging: Leveraging Large Language Models for Automated Fault Detection and Diagnosis (Presented)