

SUSHMA S A

Affiliation: Assistant Professor, Department of ISE, SIT Tumakuru.

Contact: 9449087574

Email: sushmasa@sit.ac.in

Vidwan ID: 93287

Scopus ID: 57211860039

Orcid ID: 0000-0003-3220-4713

Faculty ID: SIT0710

Education

	Degree	Year	Institute	Specialization
1	B. Tech	2011	Siddaganga Institute of Technology, Tumakuru.	Information Science and Engineering
2	M. Tech	2014	B V Bhomraddi College of Engineering, Hubballi.	Computer Science and Engineering
3	Ph. D.	Pursuing	National Institute of Technology, Karnataka, Surathkal.	Computer Science and Engineering

Professional Experience

	Date (from-to)	Designation	Organization
1	August 2016-Present	Assistant Professor	Dept. of ISE, Siddaganga Institute of Technology, Tumakuru.
2	July 2015 to Aug 2016	Assistant Professor	Dept. of CSE, Siddaganga Institute of Technology, Tumakuru.
3	September 2014 to July 2015	GTO Adobe Consultant	Cognizant Technology Solutions, Bangalore.

Positions held

(Please give details of any administrative posts, co Ordinator roles/ responsibilities held)

- *Mini and Major Project Coordinator*
- *Placement Coordinator*
- *Technical Seminar Coordinator*
- *Test Coordinator*
- *NBA Criteria-3 Coordinator*
- *BOE Coordinator*
- *NAAC Criteria-5 Coordinator*

Affiliations of Professional organizations

- Associate Member (AMIE), The Institution of Engineers, India.
- IEEE Student Member.

Awards and Honors

- **Best Paper Award**, *International Conference on Communication Systems and Networks (COMSNETS)*, for the paper “Collaborative Deadline-Sensitive Multi-Task Offloading in Vehicular-Cloud Networks,” 2025.

Courses Taught

Undergraduate Courses

- Computer Organization
- Object Oriented Programming with C++
- Java Programming
- Microcontroller
- Big Data Analytics
- File Structures
- Web 2.0
- Cyber Crime and Digital Forensics

Postgraduate Courses

- Ethical Hacking Lab

Research Guidance

Sl. no	Name of the Scholar	Title	Year of completion

Research Areas

- Distributed Systems, Digital Twin, Computer Networks.
- Internet of Things, Fog and Edge Computing.
- Artificial Intelligence, Deep Learning, Machine Learning.

Sponsored Projects

Ongoing Projects:

1. Title:
Funding Agency:
Amount:
Duration:
Role:
2. Title:
Funding Agency:
Amount:
Duration:
Role:

Completed Projects:

1. Title:
Funding Agency:
Amount:
Duration:
Role:
2. Title:
Funding Agency:
Amount:
Duration:
Role:

Publications

Journals

- S. A. Sushma, Madhunisha *et al.*, "Delay-aware partial task offloading using multi-criteria decision model in IoT–fog–cloud networks," *Journal of Network and Computer Applications*, vol. 242, pp. 104278, ISSN. 1084-8045, July 2025, <https://doi.org/10.1016/j.jnca.2025.104278>.
- T. G. Keerthan Kumar, C. Shubha, and S. A. Sushma, "Random forest algorithm for soil fertility prediction and grading using machine learning," *International Journal of Innovative Technology and Exploring Engineering*, vol. 9, no. 1, pp. 1301–1304, 2019.

Conference Proceedings

- P. Kumar, S. A. Sushma, K. Chandrasekaran, and S. K. Addya, "Collaborative deadline-sensitive multi-task offloading in vehicular-cloud networks," in *Proc. International Conference on Communication Systems and Networks (COMSNETS)*, 2025, pp. 979–983.

- M. S. Rudramurthy, N. Hegde, K. Tanmay, *et al.*, “Real time vehicle tracking system for smart cities,” in *Proc. 2023 International Conference on Data Science and Network Security (ICDSNS)*, 2023.
- S. A. Sushma and T. G. Keerthan Kumar, “E-voting system using public blockchain,” in *Proc. 2022 IEEE 2nd Mysore Sub Section International Conference (MysuruCon)*, 2022.
- K. M. Spoorthy, S. G. Hegde, N. Vijetha, *et al.*, “Performance analysis of bird counting techniques using digital photograph,” in *Proc. 5th International Conference on Intelligent Computing and Control Systems (ICICCS)*, 2021, pp. 1482–1491.
- C. Shubha, S. A. Sushma, and K. H. Asha, “Traffic analysis of WhatsApp calls,” in *Proc. 1st IEEE International Conference on Advances in Information Technology (ICAIT)*, 2019, pp. 256–260.

Book Chapters-NIL

Books-NIL

Editorial-NIL

Reviewer of Journals

Reviewer, *IEEE Transactions on Services Computing*.

Editor/ Reviewer of Journal

Reviewer, *IEEE Transactions on Services Computing*.

Patents

NIL

Invited Lectures, talks and workshops

NIL