

Dr. Akshatha Y

Assistant Professor, Department of CSE, SIT

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Education

	Degree	Year	Institute	Specialization
1	B.E	2016	Sridevi Institute of Engineering and Technology	ISE
2	M.Tech	2019	SIT, Tumkur	CNE
3	Ph.D	2024	VTU, Belagavi	CSE

Professional Experience

	Date (from-to)	Designation	Organization
1	From 10/04/2024	Assistant Professor	SIT

Courses Taught

Undergraduate Courses

- Principles of Programming using C
- Java Programming

Postgraduate Courses

Research Areas

- Wireless Sensor Network / IoT
- Machine Learning
- Cyber Security

Publications

Journals

- Y., Akshatha., & Poornima, A. S. (2023). IoT Enabled WSN and Machine Learning Techniques to Surveillance the Smart Irrigation System. International Journal of Intelligent Systems and Applications in Engineering, 11(3), 199–208. Retrieved from <https://ijisae.org/index.php/IJISAE/article/view/3160>

- Y. Akshatha, A. S. Poornima, M. B. Nirmala, "Secure Data Collection in Clustered Wireless Sensor Networks using Fuzzy based scheme to detect Malicious Data Collector," International Journal of Engineering Trends and Technology, vol. 70, no. 11, pp. 240-248, 2022. Crossref, <https://doi.org/10.14445/22315381/IJETT-V70I11P226>
- Y. Akshatha, A. S. Poornima, "A Study on Confidentiality and Authenticity in Data Aggregation for Wireless Sensor Network", International Journal of Advances in Engineering and Management (IJAEM) Volume 2, Issue 8, pp: 344-350. DOI: 10.35629/5252-0208344350.

Conference Proceedings

- Akshatha Y, Gupta S, Mahesh T S, Poornima A S, "IoT Enabled Secure Irrigation Management using Machine Learning Techniques", 14 th International Conference on Advances in Computing, Control, and Telecommunication Technologies, ACT 2023, Volume 2023-June, the Year 2023, pp.1835-1843.
- Akshatha. Y and A. S. Poornima, "IoT Enabled Smart Farming: A Review," 2022 6th International Conference on Intelligent Computing and Control Systems (ICICCS), Madurai, India, 2022, pp. 431-436, doi: 10.1109/ICICCS53718.2022.9788149.
- Jogi S, Shilpa B. K, Samyaktha G.A , Akshatha Y and Poornima A.S, "Identifying and Counting of Blood Cells Automatically using Machine Learning and Deep Learning Techniques," 14 th International Conference on Advances in Computing, Control, and Telecommunication Technologies, ACT 2023, Volume 2023-June, Year 2023, pp. 1882-1888.

Book Chapters

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