

R B Sowmya

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Education

	Degree	Year	Institute	Specialization
1	Phd (Purusing)	2024(Registered)	BMS Institute of Technology, Bangalore	Machine Learning and Deep Learning
2	M.Tech	2016	Sapthagiri College of Engineering , Tumkur	Computer Science and Engineering
3	B.E	2014	Sridevi Institute of Engineering and Technology, Tumkur	Computer Science and Engineering

Professional Experience

	Date (from-to)	Designation	Organization
1	Oct 2021 to June 2023, Oct 31 st to Present	Assistant Professor,	Siddaganga Institute of Technology (SIT). Tumkur
2	July 2018 to September 2021.	Assistant Professor,	Siddaganga college for women's (SCW), Tumkur

Positions held

- NBA Criterion 6 Co-ordinator
- Test Co-ordinator Co-ordinator
- Projects guided under UG
- NAAC Criterion 1 Co-ordinator
- Industrial Training Co-ordinator
- Internship Co-ordinator
- Bhava Geethe Co-ordinator in Spandana

Affiliations of Professional organizations

NIL

Awards and Honors

NIL

Course Taught

Undergraduate Courses

- UNIX and Shell Programming
- Big Data Analytics
- Theory of Computation
- Database Management System
- Object Oriented Programming using C++
- Cloud Computing

Postgraduate Courses

NIL

- Research Guidance

NIL

Research Areas

- Machine Learning
- Deep Learning

- Sponsored Projects

NIL

Publications

Conference Proceedings

- Sowmya, R. B., et al. "Fire and Smoke Detection from IP Camera Footage using Faster R-CNN with ResNet101V2." *2024 5th IEEE Global Conference for Advancement in Technology (GCAT)*. IEEE, 2024.
- Aparna, R., KS Aravinda Kashyap, K. R. Shreyas, R. B. Sowmya, Jashwanth E. Rao, and M. Suman. "MediSync: An IoT and ML-Powered Medication Adherence Solution." In *2023 7th International Conference on Computation System and Information Technology for Sustainable Solutions (CSITSS)*, pp. 1-6. IEEE, 2023.

Sponsored Projects

NIL

Editor/ Reviewer of Journal

NIL

Patents

NIL

Invited Lectures, talks and workshops

NIL