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B.Sathya Bama Working as an Assistant Professor in the Department of IT at SRMIST, Ramapuram. She Graduated in B.Tech - Information Technology at KCG College of Technology, Chennai, Tamilnadu, India. She secured Master of Engineering in B.Tech - Information Technology at Sathyabama Institute of Science and Technology, Chennai, India. She is Pursuing Ph.D., in the field of Wireless Sensor Networks at Sathyabama Institute of Science and Technology, Chennai, India. She is in teaching profession for 6 years. She has presented number of papers in National and International Journals, Conference and Symposiums.

Areas of Research:

Wireless Sensor Networks, Deep Learning.

Selected Publications:

Web of Science/SCI

1. B.Sathya Bama, Dr.R.Mythili, Dr.P.Santhosh Kumar, “Radial basis function networks with lightweight multiscale fusion strategy-based underwater image enhancement”, 2023 in Expert Systems.
2. B.Sathya Bama, Dr.Y.Bevis Jinila, Prediction of Parkinson's disease based on feature selection and classification of dopamine transporter scan of brain using deep learning architectures, 2022, International Journal of Modeling, Simulation, and Scientific Computing.
3. B.Sathya Bama, Dr.Y.Bevis Jinila, Vision-based gait analysis for real-time Parkinson disease identification and diagnosis system, 2022, Health Systems.

4. B.Sathya Bama, Dr.Y.Bevish Jinila, Vision-based gait analysis for real-time Parkinson disease identification and diagnosis system, 2022, Health Systems.
5. B.T.Geetha, Dr.P.Santhosh Kumar, B.Sathya Bama, Green energy aware and cluster based communication for future load prediction in IoT, 2022, Sustainable Energy Technologies and Assessments.
6. B.Sathya Bama, Ashutosh Devpura, Mayank Maroti, Vehicle Speed Estimation and Tracking Using Deep Learning and Computer Vision, 2022, Innovative Data Communication Technologies and Application.

Patents:

1. 357351-001- Iot Based Portable Hygiene Monitoring System 27.01.2022
2. 202341028666, ELK Stack for IoT driven smart buildings: Effective Surveillance and monitoring 26.05.2023

Books/Book Chapters Published:

1. Compiler Design by Scientific International Publishing House ISBN No: 978-93-94002-234
2. Introduction to Machine Learning by AGPH Publishers ISBN 978-81-19025-99-2

Professional Bodies:

Member – ACM, ISTE, Indian Science Congress

Google Scholar:

<https://scholar.google.com/citations?user=KKgowXwAAAAJ&hl=en>

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