



DR. YATISH S J

BCA | MCA | Ph.D. | KSET 2025

Head of Department, Department of Computer Science

Experience: 10+ Years

Faculty Profile

Dr. Yatish S J is the Head of the Department of Computer Science at Soundarya Institute of Management and Science, Bangalore, with over a decade of academic experience. He holds a Ph.D. in Computer Applications with research focused on intelligent systems and optimization techniques for drone-aided forest surveillance using hybrid metaheuristic algorithms and Deep Reinforcement Learning approaches.

His academic interests include Artificial Intelligence, Machine Learning, Swarm Intelligence, Optimization Algorithms, Data Science, and IoT. His doctoral research titled "*Optimizing Drone-Aided Forest Surveillance: A DRL Based Hybrid ACO-ABC Approach for Optimal Path Planning*" contributes toward improving autonomous surveillance systems. He also holds a registered design patent from the Government of India for a **Machine Learning and IoT-based device to measure sugar levels in diabetes using saliva**.

Publications & Patent

- Research publications in national and international journals in AI, Machine Learning, and optimization techniques.
- Research on **Hybrid ACO-ABC optimization and Deep Reinforcement Learning** for UAV path planning and surveillance systems.
- Book Chapter contribution on **Blockchain Architecture and Emerging Applications**.
- **Design Patent (Government of India):** Machine Learning and IoT-based Device to Measure Sugar Levels in Diabetes using Saliva.

Contact & Academic Profiles

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