

Faculty Profile

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About me: I aim to contribute effectively as a dedicated team member by supporting the growth and development of the organization. With sincerity and commitment, I strive to achieve both personal and institutional goals through excellence in teaching and research, while embracing continuous learning as an integral part of my professional journey.

Qualification:

Ex: B.E. (VTU), MTech (VTU), (Ph.D.) (VTU, Belagavi)

Courses Taught:

- Computer Concepts and Programming
- Introduction to C Programming
- Object-Oriented Programming with C++
- Data Structures
- Computer Organization
- Computer Networks
- System Simulation and Modeling
- Web Technologies
- Python Programming
- Full Stack Development
- Information and Network Security

List of PG courses taught in recent years

- Storage Area Networks
- Internet of Things (IoT)

Publications:

Journal Publications

1. **Padmini M. S.**, S. Kuzhalvaimozhi, “A Hybrid Approach for Hotspot Problem Using Load Balancing and Advanced Ant Colony Algorithm,” *Indonesian Journal of Electrical Engineering and Computer Science*, vol. 37, no. 3, pp. 1865–1873, Mar. 2025. doi: 10.11591/ijeecs.v37.i3.pp1865-1873. (Scopus Indexed Q3).
2. **Padmini M. S.**, S. Kuzhalvaimozhi, “Multiagent Heuristic and Knowledge-Driven Routing Optimization Model for Internet of Things Applications,” *International Journal of Communication Systems*, vol. 38, 2024. doi: 10.1002/dac.70138. (SCI Indexed Q2).
3. **Padmini M. S.**, S. Kuzhalvaimozhi, “Energy Aware Reliable Routing Model for Sensor Network Enabled Internet of Things Environment,” *Indonesian Journal of Electrical Engineering and Computer Science*, vol. 32, pp. 1678–1685. doi: 10.11591/ijeecs.v32.i3.pp1678-1685. (Scopus Indexed Q2).
4. **Padmini M. S.**, S. Kuzhalvaimozhi, “Energy and Delay Aware Routing Model for Smart Crop Monitoring Application Using Internet of Things,” *Computers and Electrical Engineering*, vol. 116, 109207, 2024. doi: 10.1016/j.compeleceng.2024.109207. (SCI Indexed Q1).
5. **Padmini M. S.**, “An Enhanced Process Scheduler Using Multi-Access Edge Computing in an IoT Network,” *International Journal of Computer Network and Information Security*, vol. 16, pp. 130–143, 2024. doi: 10.5815/ijcnis.2024.04.09.
6. **Padmini M. S.**, S. Kuzhalvaimozhi, “Critical Analysis of Life Span Improvement Techniques in Energy Constraints Edge IoT Devices,” *SN Computer Science*, Springer, 2022. doi: 10.1007/s42979-022-01601-3. (Scopus Indexed Q2).
7. **Padmini M. S.**, “Detecting Suspicious Accounts in Money Laundering,” *International Research Journal of Engineering and Technology (IRJET)*, vol. 6, no. 4, Apr. 2019.
8. **Padmini M. S.**, “Cure-IT Medical Assistant Application,” *International Research Journal of Engineering and Technology (IRJET)*, vol. 6, no. 4, Apr. 2019.
9. **Padmini M. S.**, “Improving Recommendation in E-Commerce Using Apriori Algorithm,” *International Research Journal of Engineering and Technology (IRJET)*, vol. 4, no. 4, Apr. 2017.
10. **Padmini M. S.**, “Diabetic Retinopathy Screening,” *International Research Journal of Engineering and Technology (IRJET)*, vol. 4, no. 4, Apr. 2017.
11. **Padmini M. S.**, “A Survey of South Indian Line Segmentation for South Indian Languages,” *International Journal of Engineering and Technology Research (IJETR)*, vol. 4, no. 22, Jul. 2016.
12. **Padmini M. S.**, “Applications of Fog Computing for Smart Environment,” *Journal Publication*, vol. 10, no. 86, Dec. 2015.
13. **Padmini M. S.**, “Simulator for Dependable Storage Solution in Storage Area Network,” *IJTMER Journal*, vol. 2, no. 5, May 2015.
14. **Padmini M. S.**, “Automated Water Meter Reading,” *IJTMER Journal*, vol. 2, no. 5, May 2015.
15. **Padmini M. S.**, “An Approach to Overcome Problems in Ubiquitous Networks,” *International Journal of Applied Engineering Research & Development (IJAERD)*, Feb. 2014.
16. **Padmini M. S.**, “Approach Towards Safety in WSN: A Survey,” *International Journal of Applied Engineering Research & Development (IJAERD)*, Feb. 2014.

Conference Publications

17. **Padmini M. S.**, “An Implementation of Gesture-Controlled Autonomous Drone,” in *Proceedings of the 2023 Smart Technologies, Communication and Robotics (STCR)*, IEEE, Dec. 2022. doi: 10.1109/STCR55312.2022.10009421.
18. **Padmini M. S.**, “Energy Efficient Smart Street Lighting System,” in *Proceedings of the International Conference on Artificial Intelligence and Data Engineering (AIDE)*, IEEE, Dec. 2022. doi: 10.1109/AIDE57180.2022.10060318.
19. **Padmini M. S.**, “Internet of Things for Smart Environment,” in *International Conference on Computer Communication and Networks*, May 2015.
20. **Padmini M. S.**, “Approach Towards Safety in WSN: A Survey,” in *International Conference on Electrical Electronics and Computer Science (EECS)*, Feb. 2014. ISBN: 978-93-81693-54-2.
21. **Padmini M. S.**, “Approach to Overcome Problems in Ubiquitous Networks,” in *International Conference on Electrical Electronics and Computer Science (EECS)*, Feb. 2014. ISBN: 978-93-81693-54-2.
