

Faculty Profile

1. Name: KavyaShree M K
2. Designation: Assistant Professor
3. Qualification: B.E. Mtech (PhD)
4. Email/LinkedIn/ORCID: 0000-0001-9519-4650
5. Work Experience: 10 years
6. Specialization: Digital Electronics and Communication
7. Subjects Taught: Engineering Electromagnetics ,Communication Systems, Basic Electronics ,Advanced Communication Networks,cloud computing
8. Research Guidance: Nil
9. Publications: Journals – 4 Conferences 11

List of Publications

- 1.Kavyashree M.K., Shankaraiah,“HLEVRA: An Efficient Resource Allocation Strategy for Uplink and Downlink in 6G Networks,” International Journal of Computer Networks and Communications (IJCNC), Vol. 18, No. 1, January 2026, pp. 89–90. DOI: 10.5121/ijcnc.2026.18106. Q4 IF 1.07.
2. Kavyashree M.K., Shankaraiah, ”AI Optimized Data Migration Strategies for 6G Heterogeneous Network”,International Journal communication Systems ,Vol 39 Issue 6 ,March 2026 <https://doi.org/10.1002/dac.70451> Q2,IF 1.8.
- 3.Akshatha M ,KavyaShree M K, “**An Efficient Automatic Water Sprinkler Design for Operate in Dust Environment**” Published in Walailak Journal of Science and Technology, Scopus Indexed Journal with Impact Factor 0.436.
- 4.Anupama S, Kavyashree M K, Chaitra V, "A Comprehensive Research Review on Adaptive Fuel Injection System with AI Optimized Fuel Delivery for Trucks," International Journal of Electrical and Electronics Engineering, vol. 12, no. 10, pp. 217-231, 2025. Crossref, <https://doi.org/10.14445/23488379/IJEEE-V12I10P116>.

List of Conferences

- 1.Kavyashree M.K., Shankaraiah, ”Intelligent Optimal Resource Sharing Algorithim for 6G Network” Presented in Doctoral Research Conference 1.0 organized by JSS Science and Technology University ,Mysuru organized on 7th and 8th February 2025.
- 2.Kavyashree M.K, Shankaraiah,”Correlation-Guided Resource Allocation for 6G Networks: A Predictive and Optimization-Based Framework”, presented in International Conference on Smart Communication and Sustainable Technologies (ICSCST 2026) organized by Saintgits College of Engineering, Kerala organized on 18-20th June 2026.
3. Kavyashree M K,Lokesha M ,Manasavi,”Comparative Analysis and Optimization of Energy-Efficient Protocols for Wireless Sensor Networks," 2026 *International Conference on Intelligent*

and Sustainable Electronics & Computing Technologies (INSECT), Pune, India, 2026, pp. 1-7, doi: 10.1109/INSECT68872.2026.11663714.

4.KavyaShree M K,Sowmyashree N,Lakshmi C,"Intelligent Cluster Head Selection in WSN: A Shark Optimized Algorithm LEACH Framework," 2026 *International Conference on Innovations in Emerging Technologies for Sustainable Development (ICIETSD)*, Pudukkottai, India, 2026, pp. 1-7, doi: 10.1109/ICIETSD68684.2026.11584674.

5. Kavyashree M K,Megha K M,Chandhana "Mobility Model based Performance evaluation of Routing protocols in mobile Ad Hoc network," 2025 *First International Conference on Intelligent Computing and Communication Systems (CICCS)*, Bengaluru, India, 2025, pp. 1-6, doi: 10.1109/CICCS66437.2025.11280137.

6.Kavyashree M K, Amrutha K R, BhavyaShree Y R," **Systematic Review on Frameworks for Intrusion Detection using machine Learning and Deep Learning Algorithms**"Second International Conference on Networks, Multimedia and Information Technology NMITCON, NitteMeenakashi Institute of Technology, Bangaloreheld on 9th and 10th August, 2024.

7. Kavyashree M K,AnupamaS,Keerthana B M,Sneha,"**Streamlining College Enquiries : Integrating Amazon Lex and Twilio for WhatsappChatbot Accessibility**",OITS International Conference on Information Technology ,SRM University ,Guntur, AP held on 12th and 14th December,2024.

8.Kavyashree M K,Amrutha K R, Shreelatha U," **Cloud Based Online Bus Ticket System**" Presented in International Conference on Recent Advances in Science and Engineering Technology ICRASET 2023 ogranized by B G S Institute of Technology, Mandya held on 23rd and 24th November 2023.

9.Zainab, Kavyashree M K ,"**Security Enhancement of IIOT with Permissioned Blockchain and Cloud computing**",IEEE International Conference on Recent Trends on Electronics, Information, Communication& Technology,Organized by Venkateshwara College of Engineering,Bangalore 27th-28th-August 2021.

10.KavyaShree M K, Vidyashree D, "**UAV Communication Network : Power Optimization and End - To - End Delay**" presented in 2nd International Conference on Sustainable Communication Networks and Application organized by Surya College of Engineering College,Erode held on 6th and 7th August 2020.

11.Shashidhar S K ,KavyaShree M K ,Sharath K R, Basavaraj, "**Intelligent Energy Meter For Smart City**" presented the paper in International Conference on Advances in Information Technology conducted in Adichanuchangiri Insititute of Technology, Chikkamagaluru in association with IEEE Banglore Section and published in Scopus indexed IEEE Digital Library.

- 10. Patents: 2
- 11. Projects/Consultancy: Nil
- 12. Book(s) Published: Nil
- 13. FDPs organised/attended: Attended: 5
- 14. Achievements: Nil
- 15. Professional Membership: Nil