

FACULTY PROFILE FORMAT (Format 3)

Staff Name	:	S.DEVIPRIYA
Faculty ID	:	TEC42 / 3123393
VIDWAN ID	:	433845
Photo	:	
Publone ID	:	https://www.webofscience.com/wos/author/record/ADB-2739-2022
Scopus ID	:	https://www.scopus.com/authid/detail.uri?authorId=57315015600
ORCID ID	:	https://orcid.org/0000-0003-4954-8088
Google Scholar ID	:	https://scholar.google.com/citations?user=nun_mqwAAAAJ&hl=en&authuser=3
LinkedIn ID	:	linkedin.com/in/devi-priya-87403a54
Designation	:	Assistant Professor
Qualification	:	M.E, Ph.D
Teaching Experience	:	10 years 3 Months
Area of Specialization	:	Mobile Communication, Signal estimation theory, Communication Engineering, Cooperative Communication, Non-orthogonal multiple access systems
Subjects Handled	:	Linear Integrated Circuits Antennas and Wave Propagation Signals and systems Communication theory Wireless Communication RF and Microwave Engineering Digital Communication Space Time MIMO Wireless Communication
Books Published	:	-
Journals Published	:	<ol style="list-style-type: none"> 1. Devipriya S, Martin Leo Manickam J, & Victoria Jancee B, 2023, 'Energy-efficient semi-supervised learning framework for subchannel allocation in non-orthogonal multiple access systems', ETRI Journal, vol.45, no. 6, pp.963-973 2. S. Devipriya, & J. Martin Leo Manickam, 2023 'Outage Performance and Ergodic Capacity of User Pairing in Downlink MIMO-NOMA systems with Imperfect SIC Over Nakagami-m Fading Channels', IETE Journal of Research, vol.70, no.1, pp.82-94 3. Devipriya, S., Martin Leo Manickam, J. & Anita, X. "On the outage performance of decode-and-forward based relay ordering in cognitive wireless sensor networks", Wireless Networks 28, 3247–3259 (2022).

		<p>4. Avudaiammal, R., S. Devipriya, A. Swarnalatha, and R. Vijayarajan. "An Efficient Hybrid De-Noising Method for Remote Sensing Images." In <i>Futuristic Communication and Network Technologies</i>, pp. 449-459. Springer, Singapore, 2022.</p> <p>5. S.Devipriya, N.Venkateswaran, "Power Optimization computation using Bacterial Foraging Algorithm in Cooperative Communication", <i>International Journal of Applied Engineering Research</i>, Vol.10, Issue 63, pp.276-279, 2015.</p> <p>6. S.Devipriya, N.Venkateswaran, "Optimization of Power Allocation in Relay based Cooperative Communication using Amplify and Forward Protocol" <i>International journal of Scientific and Engineering Research</i>, Volume 5, Issue 4, pp.227-231, 2014.</p>
Conference /Workshop Attended	:	<p>CONFERENCES</p> <p>1. S. Devipriya, P. K and M. V, "Joint Relay Selection and Relay Ordering in Cooperative Communication System Using Generalized Selection Combining (GSC) Technique," 2024 International Conference on Integrated Intelligence and Communication Systems (ICIICS), Kalaburagi, India, 2024, pp. 1-4, doi: 10.1109/ICIICS63763.2024.10859475.1.</p> <p>2. S. Devipriya, J. M. L. Manickam, N. V. Dhanushya and M. Ilamathi, 2023 'Height Optimization and Channel Gain based User Pairing for UAV-Assisted Emergency Communications,' <i>International Conference on Sustainable Communication Networks and Application (ICSCNA)</i>, Theni, India, pp. 626-631</p> <p>3. S. Devipriya, J. M. Leo Manickam and K. Jasmine Mystica, "A Deep-Learning Based Approach to Resource Allocation in NOMA Based Cognitive Radio Network with Heterogeneous IoT Users," 2022 IEEE International Conference on Distributed Computing and Electrical Circuits and Electronics (ICDCECE), Ballari, India, 2022, pp. 1-6, doi: 10.1109/ICDCECE53908.2022.9793269.</p> <p>4. K. Jasmine Mystica, J. Martin Leo Manickam and S. Devipriya, "Node Temperature Aware Next Hop Selection Scheme for Implant WBAN," 2022 2nd Asian Conference on Innovation in Technology (ASIANCON), Ravet, India, 2022, pp. 1-7, doi: 10.1109/ASIANCON55314.2022.9909215.</p> <p>5. Avudaiammal, R., S. Devipriya, A. Swarnalatha, and R. Vijayarajan. "An Efficient Hybrid De-Noising Method for Remote Sensing Images", <i>Virtual International Conference on Futuristic Communication and Network Technologies 2020 (Vicfnt-2020)</i>, Nov 6-7, 2020.S.Devipriya and N.Venkateswaran, "Performance Analysis of Power Optimization in Amplify-and- Forward Cooperative Communication", <i>International Conference on Computational Systems in Engineering and Technology-2014</i>.</p> <p>6. S.Devipriya and N.Venkateswaran, "Power Optimization Computation using Bacterial Foraging Algorithm in Cooperative</p>

	<p>Communication”, International Conference on Electrical, Communication & Computing, 2014.</p> <p>7. S.Devipriya, N.Venkateswaran, “Power Allocation in Amplify and Forward Relaying with Training Aided Channel Estimation”, <i>in proc. NCCCSF 2014</i>.</p> <p>WORKSHOPS</p> <ol style="list-style-type: none"> 1. Two week ATAL FDP on “Unlocking the potential of AI: Journey from Transformer Models to GenAI, Applications from Industry to Space, and the Evolving Threat Landscape” conducted by St.Joseph’s College of Engineering 2. FDP on “Emerging trends in Embedded systems and IoT” conducted by Ematrix Embedded & Software Solutions Inc. 3. FDP on “Effective AI tools for Enhancing Teaching, Learning, and Research” conducted by Xavier Institute of Engineering 4. FDP on “ICT integrated Evaluation in outcome-based Education” conducted by AMET University 5. IP Awareness training program under National Intellectual property awareness mission organized by Intellectual Property office, India 6. One week ATAL FDP on “Diverse Applications of Research Paradigms in AI” conducted by St.Joseph’s College of Engineering 7. FDP on “Artificial Intelligence and Optimization techniques” conducted by NITTR Chandigarh 8. Master class on “Machine Learning” organized by Pantech Prolabs Pvt India Ltd 9. Webinar on “Art and challenges of writing papers for IEEE transactions” organized by IEEE Bangalore section 10. Industrial Webinar on “5G Technology and Solution” conducted by St.Josephs’s Institute of Technology 11. Webinar series on “Matlab Master class 2022” organized by IETE Mumbai in association with Pantech Prolabs Pvt India Ltd 12. Webinar series on “AI Master class” organized by APSSDC in association with Pantech Prolabs Pvt India Ltd 13. Webinar on “Tools and Resources for Virtual Lab Practice” organized by SRM Institute of Science and Technology 14. Workshop on “Application of Deep Learning in Computer Vision”, conducted by SSN College of Engineering. 15. Workshop on “Data Analytics” conducted by Benett University, Greater Noida 16. Webinar on “Development of Deep learning architecture” conducted by IETE-Mumbai in association with PANTECH 17. “FUZZY DECISION MAKING” conducted by Periyar Maniammai University. 18. “4G WIRELESS SYSTEMS AND BEYOND” conducted by Madras Institute of Technology.
--	---

		<p>19. “WIRELESS COMMUNICATION” conducted by Periyar Maniammai University.</p> <p>20. “ADVANCES IN WIRELESS COMMUNICATION” conducted by SSN College of Engineering.</p> <p>21. “APPLICATION OF SOFTWARE IN MATHEMATICAL FIELD” conducted by Periyar Maniammai University.</p> <p>22. “FRONTIERS OF MODERN DATABASE TECHNOLOGIES” conducted by VIT University.</p>
Patent Details	:	<p>Balamurugan AM, Anitha G, Devipriya S, Jasmine Mystica K, “Intelligent smart ploy house rooftop irrigation robot” Intellectual Property India, Patent no: 202141061139, Published date: 22/12/2022</p> <p>Murugan Mageswari, Devipriya S, “Advance Techniques for Railway Collision Avoidance Systems”, Intellectual Property India, Patent no:202441030067, Published Date: 19/04/2024</p>
Funded Project Details		-
Reviewer		<p>Reviewer in International Journal of Communication systems (Wiley, Q2 Journal)</p> <p>Reviewer in the Journal of Electrical and Electronic Engineering</p>