



FACULTY PROFILE ON WEBSITE

Faculty Name	SHALINI M G	
Academic Designation	Assistant Professor	
Educational Qualification	BE, M. Tech, (Ph.D)	
Experience in Teaching & Industry	12 &	
Date of Joining	08/03/2023	
Official Email ID	Shalini_ece@dsatm.edu.in	
Employee ID	180701	

Educational Details

- Ph. D - Perusing (Antenna for wireless communications), ACU, BGSIT, BG Nagara, till date
- M. Tech (VLSI Design & Embedded Systems), BGSIT, BG Nagara, Mandya dist, VTU, Belagavi 2011.
- B.E (Electronics & Communication Engineering) Alpha College of Engineering, Bangalore, VTU, Belagavi, 2011.

Professional Experience

- Working as an Assistant Professor in Dayananda Sagar Academy of Technology and Management, since 08th March 2023.
- Worked as Assistant Professor in Gubbi Institute of Technology, Tumkur from 24/04/2015-12/11/2015
- Worked as Assistant Professor in AMC College of Engineering, Bangalore from 12/06/2018-23/06/2021
- Worked as Assistant Professor in GSSSIETW, Mysore from 01/06/2013-13/02/2015

Publications

- "High-gain antenna arrays for millimetre-wave energy harvesting: architectures, challenges, and future directions". IAES International Journal of Artificial Intelligence (IJ-AI). Vol. 15, No. 3, June 2026, pp.

2896~2906 ISSN: 2252-8938, DOI: 10.11591/ijai.v15.i3.pp2896-2906.

- "Multi-dimensional performance-optimized array design framework for efficient mm Wave energy harvesting". IAES International Journal of Artificial Intelligence (IJ-AI) Vol. 15, No. 2, April 2026, pp. 1143~1154 ISSN: 2252-8938, DOI: 10.11591/ijai.v15.i2.pp1143-1154.
- "Ring theory applications in coding and error detection", *Journal of Discrete Mathematical Sciences & Cryptography*, ISSN 0972-0529 (Print), ISSN 2169-0065 (Online), Vol. 28 (2025), No. 7, pp. 2907–2914 DOI : 10.47974/JDMSC-2561.
- "Machine Learning-Enhanced Cognitive Radio for Dynamic Spectrum Access in 5G and Beyond", 10.1109/ICCoSD66074.2025.11348484, 2025 International Conference on Communication and Smart Devices (ICCoSD).
- "Multi-slot Terahertz Triangular Shaped Antennas for 6G Communication System", SSRG International Journal of Electrical and Electronics Engineering Volume 11 Issue 12, 406-413, December 2024. ISSN: 2348-8379/ <https://doi.org/10.14445/23488379/IJEEE-V11I12P137>.
- "Transformative Role of Generative AI in Safeguarding Cyber Security and Privacy". Journal of Electronics and Telecommunication System Engineering Vol. 1, Issue 2 (May – August, 2024) pp: (1-12)
- "Vlsi implementation of low power high speed dwt fir filter architecture based on distributive arithmetic algorithm". DOI: 10.31838/ecb/2023.12.si6.324.
- Centralized Traffic Management System using Computer Vision, European Chemical Bulletin, vol.12, 2023, pp.3984-3991.
- "Design and Analysis of M-cut Patch Antenna for advanced Energy Harvesting Applications: Radiation Characteristics and Optimization," 2023 International Conference on Recent Advances in Science and Engineering Technology. (ICRASET), BGNAGARA, India, 2023, pp.16, doi:10.1109/ICRASET59632.2023.10420180.
- "Density based traffic management using Dewep learning and Computer Vision" at international journal of trend in research and development volume 10, issue 3, may-june 2023.
- FPGA Based implementation of intelligent Predictor using ANN for global Solar irradiation at IJITEE on July 2013. (ISSN:2278-3075, Volume 3, Issue 2.

International Conferences:

- "Design and Analysis of M-cut Patch Antenna for advanced Energy Harvesting Applications: Radiation Characteristics and Optimization," 2023 International Conference on Recent Advances in Science and

EngineeringTechnology.(/ICRASET),BGNAGARA,India,2023,pp.16,doi:10.1109/ICRASET59632.2023.10420180.

- Edge-Aware Vision Assistance: A Real-Time Transformer-Based Object Detection and Reading System for Visually Impaired Users, 2025 International Conference on Transformative Computing Technologies (ICTCT), IEEE Explore, March 2026, pp. 184-191.
- “Rectennas for energy harvesting systems and wireless power transfer: A review” in international conference in Frontiers in Engineering, Management and Science on 28th April 2022.
- Hybrid Algorithm of Swarm Intelligence-Based bio inspired Algorithm and constrained nonlinear optimization Algorithm for Patch Antenna Optimization.AIMSE 5.0, DSATM,Bangalore.
- “Hybrid GWO Algorithm based PID controllers for Quadcopter stability” at ITIDS 2025 NOVEMBER.
- Design and Implementation of Remote Object Sensor Using MSP 430. (6th-7th June 2016) during ICASET at Sai ram College of Engineering.
- Design and Implementation of Multiport serial to Ethernet usingFPGA card. (22nd April 2016) during NCETEC at R L Jalappa Institute of Engineering.

Awards

Academic Activity

- Coordinating to Handle NAAC 3 criteria files and NBA 3 criteria files.
- Coordinated as Social media Coordinator
- Coordinated for the Antenna workshop.

Faculty Development Activity/Workshops

- Participated in the one week Faculty Development Program on “Innovative Antenna Design for Next-Generation Wireless Systems: From Concept to Application” organized by MNNIT Allahabad under the “Scheme of financial assistance for setting up of Electronics and ICT Academies (Phase-II)” by the Ministry of Electronics and Information Technology (MeitY), Government of India from 04th August, 2025 to 10th August, 2025. Her/ His performance was Good based on online Assessment.
- Participated in Five days Faculty Development Program on “Latest trends in RF and Microwave Systems :ML Approach” Organized by: ECE Department, MSRIT, Bengaluru. & ETE Department, MSRIT, Bengaluru, 03rd To 07th October 2023.
- Participated in at The five-day training program on “Foundations of VLSI Test and DFT” IIIT Dharwad from 26/12/2024 to 30/12/2024.
- Research and cilinical applications of flowcytometry at ACU on 17th december 2021.
- participated in the Two Days National Level FDP on RTL to GDSII Using Cadence Tools organized by the Department of ECE, School of Engineering and Technology, CMR University, on August 17th and 18th, 2023.
- Has Participaed in the 2 Days National Level FDP on RTL to GDSII using Cadence Tools organized by Department of ECE, School of Engineering & Technology , CMR University association with Entuple Technologies, held on 17th and 18th August 2023.

Contact Details

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