



FACULTY PROFILE ON WEBSITE

Faculty Name	SYED ATEEQUR REHMAN	
Academic Designation	Assistant Professor	
Educational Qualification	M.Tech(Ph.D)	
Experience in Teaching & Industry	14	
Date of Joining	22-02-2013	
Official Email ID	syedateequr-ece@dsatm.edu.in	
Employee ID	180119	

Educational Details

- Ph.D - Pursuing in VTU
- M.Tech in AMC Engineering College, Bangalore, under VTU Belgaum.
- B.E in Ghousia College of Engineering, Bangalore under VTU Belgaum.

Professional Experience

Working as Assistant Professor in the department of Electronics and Communication Engineering at Dayananda Sagar Academy of Technology and Management from 22-02-2013 to till date

Publications

- Published a research paper titled "Smart Sanitation with IoT: Enhancing Personalized Hygiene in Clean tech Restrooms" in the Scopus Indexed 2026 International Conference on Emerging Technologies and Future Innovations Etfi 2026.
- Published a research paper titled "Energy-Efficient Posit Multiplier Architecture for Precision-Centric Quantum Image Processing on Vlsi Platforms" in the Scopus Indexed 2025 IEEE 4th International Conference for Advancement in Technology Iconat 2025.
- Published a research paper titled "Efficient Simulation and RTL Implementation of the SPECK Algorithm Using Verilog for Improved Cryptographic Security and Performance in VLSI Based Systems" in the Scopus Indexed 2025 IEEE 2nd International Conference on Green Industrial Electronics and Sustainable Technologies Giest 2025.
- Published a research paper titled "An Integrated Sensor-Based Machine Learning System for Predicting

Crops and Fertilizers” in the Scopus Indexed Proceedings of 2025 IEEE 22nd India Council International Conference Indicon 2025.

- “Performance Comparison of Adaptive Filter Algorithms for ECG Signal Enhancement” in International Journal of Advanced Research in Computer and Communication Engineering, Vol. 1, Issue 2, (ISSN 2278 – 1021).
- “T-shaped and F-shaped MSA for wireless applications using CSTool-MS” in Xidian University Journal, Vol 3.
- Published paper titled “Design of a Novel T-Shaped and F-Shaped Triple-Band Operating Frequency Patch Antenna and Performance Analysis & Evaluation” in The Design Engineering Journal, (ISSN 0011-9342). (SCOPUS INDEXED)
- Submitted paper titled “Survey on Microstrip Patch Antenna, Metamaterial Structures and Comparison on Different Antenna Performance Parameters and Designs” in Journal of Computer Science and Technology, ISSN 2630-0656. (SCOPUS INDEXED)
- Book Chapter Proposal titled “A square slotted dual bandwidth rectangular patterned antenna for IOT applications” for the book Antenna Design for Narrowband IoT: Design, Analysis and Applications, Published by IGI Global (Formerly idea Group Inc.) an International Academic publisher of “Information Science Reference”. (SCOPUS INDEXED)

International Conferences:

- Presented and published in IEEE Explore paper titled “Performance Comparison of various Adaptive Filter Algorithms for ECG Signal Enhancement and Baseline Wander Removal” in Third International Conference on Computing, Communication and Networking Technology (ICCCNT) at SNS college of Engineering, Coimbatore.
- Presented and published in paper titled “Signal to Noise Ratio Comparison of LMS and NLMS Adaptive Filter Algorithms for ECG Signal Enhancement and various Artifact removal” in International Conference on Signal Processing, Communication and Computational Research (ICSPCCR-16) at VVIET college, Mysore.

National Conferences:

- Presented and published paper in “National Conference on Emerging Trends In Electronics and Communications” (NCETEC-2012) at Don Bosco Institute of Technology(DBIT/NCETEC-2012/ECE/PG-6).
- Presented and published paper titled “Performance Comparison of various Adaptive Filter Algorithms for ECG Signal Enhancement and Electrode Motion Artifact removal” in “National Conference on Recent advances in Electronics and Communication” (NCRAEC-2012) at New Horizon college of Engineering.

Conference Attended

- Presented and published paper titled “Survey on Metamaterials and Microstrip Patch Antennas” in “National Conference on Trends and Technologies in Electronics and Communication” (NCTTEC-2019) at AMC Engineering College, Bangalore.
- Presented and published paper titled “Transformation of unsegregated waste mainly consisting of plastic to useful materials” in “National Conference on Trends and Technologies in Electronics and Communication” (NCTTEC-2019) at AMC Engineering College, Bangalore.
- “Designing of a Microstrip Patch Antenna with Metamaterial structures” in sixth national conference on convergence of science, technology and management- NCCSTM 2020 at Dayananda Sagar Academy of Technology and Management, Bangalore, Karnataka on 27th May 2020.
- “IOT Based Substation Monitoring, Control and Protection System” in fifth national conference on convergence of science, technology and management- NCCSTM 2019 at Dayananda Sagar Academy of Technology and Management, Bangalore, Karnataka on 10th May 2019.

Awards

- Certified INNOVATION AMBASSADOR TRAINER, conducted by MoE's Innovation Cell & AICTE.
- Awarded Technical Faculty award from Texas Instruments.

Academic Activity

- Secured 3rd Place in the Grand Finale of Smart India Hackathon 2023 at Arya Institute of Technology, Jaipur under the MHRD, New Delhi.
- Organized Entrepreneurship Awareness Camps/Workshops under the aegis of National Science & Technology Entrepreneurship Development Board (NSTEDB), Department of Science and Technology, Govt. of India, New Delhi for the Under Graduate Students.
- Organized an invited Talk on “Introduction and eye opener to Entrepreneurship, Start-ups and Stocks” by Mr. Sri Harsha, Managing Director, Shine Projects, Bangalore.
- Organizing Inter Department Techno-Cultural Fest every semester for multi-disciplinary students.
- Organizing internal hackathon in connection with Smart India Hackathon for primary screening of the innovative ideas.
- Organizing hackathon as a part of the Technical fest in the department.

- Department Entrepreneurship Development Cell Coordinator
- Department Innovation Ambassador and Innovation Cell Coordinator
- College and Department Level Cultural Coordinator
- NBA Department Level Criteria Coordinator
- NAAC Department Level Criteria Coordinator
- Internal Assessment Coordinator
- Student Mentor/Class Teacher
- Organized a technical seminar on “Constitutional Obligation, Rights, Duties and Responsibilities of Citizens” by Mr. Sandeep Katti in association with IETE, Bangalore.
- Organized a technical seminar on “Indian Constitution-Awareness Program” by Mr. Shivalinge Gowda S K in association with IETE, Bangalore.

Faculty Development Activity/Workshops

- Five days Faculty Development Program on “Embedded System Designs, IOT & IOT Security Protocols”, Organized by Department of Electronics and Communication Engineering, Dayananda Sagar Academy of Technology and Management, Bangalore.
- Organized and Attended Four days Faculty Development Program on “ARM CORTEX M3 Embedded Controllers”, Organized by Department of Electronics and Communication Engineering, Dayananda Sagar Academy of Technology and Management, Bangalore.
- One week Faculty Development Program on Overview of 3G (WCDMA) & 4G (LTE) Wireless Communication, Organized by Department of Telecommunication Engineering, BMS College of Engineering, Bangalore.
- Five-day Virtual Faculty Development Program entitled “Skills and opportunities in VLSI”, organized by Department of Electronics and Communication Engineering, Dayananda Sagar Academy of Technology and Management, Bangalore.
- Five day FDP ON Artificial intelligence – MLT & Deep learning using LabVIEW” organized by Dayananda Sagar Academy of Technology and Management, Bangalore
- Five day FDP on “Graphical programming, data acquisition and hardware programming using NI Labview” organized by Dayananda Sagar Academy of Technology and Management, Bangalore
- Attended 8th ELASIA 2019, An International Exhibition on Power,Electrical,Controls And Lighting ,BIEC, Bangalore, 22nd June 2019
- Five day FDP on “Embedded system design, IOT & IOT security protocols” organized by Dayananda Sagar Academy of Technology and Management, Bangalore
- 5 days Workshop on “NI LabVIEW myRIO course” organized by Dayananda Sagar Academy of

Technology and Management, Bangalore

- Workshop on “IEEE IPR Workshop 2018” held at VTU Belagavi on 25th August 2018.
- Workshop on “NI LabVIEW data acquisition using myDAQ” organized by Dayananda Sagar Academy of Technology and Management, Bangalore
- Workshop on “Teaching learning process” organized by Dayananda Sagar Academy of Technology and Management, Bangalore
- Workshop on “NI LabVIEW core 1 & core 2 courses” organized by Dayananda Sagar Academy of Technology and Management, Bangalore
- Workshop on “OBE Practices” organized by Dayananda Sagar Academy of Technology and Management, Bangalore
- Four day FDP on “ARM CORTEX M3 embedded controllers” organized by Dayananda Sagar Academy of Technology and Management, Bangalore
- Workshop on “Three day NBA Workshop 2017” organized by Dayananda Sagar Academy of Technology and Management, Bangalore
- Workshop on “Signals and Systems with its Applications” on 25th March 2018, Organized by The Institution of Electronics and Telecommunication Engineers (IETE), Bangalore.
- Workshop on “The Good Selfish” by Sailaja Manacha.
- Workshop on “How to Welcome a Virtual Speaker into Your Branch” by Elisa Barney.
- Workshop on “Tips To Become a Successful Entrepreneur” by Dr. Abhishek Appaji.
- Workshop on “Reducing the Entropy of the world- SOC's for wireless communications.” by Himamshu G Khasnis.
- Workshop on “Signal Processing with surface-acoustics-wave (SAW) devices” by Prof. Raghavendra G. Kulkarni organized by IEEE Society, Bangalore..
- Workshop on “Precision agriculture Robotics, Technologies, and Challenge” by Mr. Manohar Sambandam.
- Workshop on “Satellite Navigation: Indian Paradigm” by Dr. Surendra.Pal organized by IEEE Society, Bangalore.
- Workshop on “ Personal Digital Twins (PDTs) and their role in Epidemics Control ” by Roberto Saracco .
- Workshop on “ Next Generation microelectronics devices and process architecture ” by Samar Saha .

- Three-day National Level Workshop on “Microstrip Antennas and Measurements MAM 2018”, Organized by the department of Electronics and Communication Engineering, Christ University under IEEE Society.
- Four-day webinar series on IEEE Society Chapter Webinar Series organized by the IEEE Bangalore section.
- Three-day Online Workshop on “LATEX”, organized by AMC Engineering College, Bangalore.

Contact Details

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