Satish Sharma

(B.Tech.,M.Tech.)

SatishSharma satishswatu10@gmail.com Jaipur, Rajasthan 9828121531

EXPERIENCE

Arya College of Engineering And IT| ASSISTANT PROFESSOR

July 2024 - Present

- Instructed college students in theory subjects and practical labs for Computer Science and Electronics Engineering.
- As Robotics Lab Incharge, presented the lab's R&D capabilities, student projects and safety protocols to the visiting **NBA** & **NAAC** peer teams, receiving positive evaluations.
- Actively contributed as a member to the successful accreditation of the department & institute by NAAC (with A Grade) and NBA.

Global Institute of Technology| ASSISTANT PROFESSOR

Jan 2020 – April 2020

- Instructed college students in theory subjects and practical labs for Computer Science and Electronics Engineering.

Maharaja Agarsen ITI Pvt . College| INSTRUCTOR

Sep 2018 – Nov 2019

- Conducted sessions on Computer and Electronics theory and practical applications.

PROJECTS

M.Tech Research Project

Design & Performance analysis of conformal Antenna for flexible and wearable applications

- Designed a square-shaped microstrip antenna that resonates at a frequency of 5.5GHz,which is applicable for WLAN application.
- Designed multiband antennan using different slotting and stacking methods.
- Further, the proposed antenna structure was implemented on various substrates to analyze conformal as well as wearable performance.
- Validated the theoretical configuration by implementing it into a practical architecture.

Safe car Parking by using Ultrasonic sensor

B.Tech Project

- Successfully implemented Safe Car Parking solution using ultrasonic sensor.

PROJECTS MENTORED & GUIDED

- AI-based 3D Design Ventilator using Arduino Uno microcontroller.
- Joystick-Based Pick and Place Robot using Arduino Uno Controller.
- Unmanned Surveillance Ground Vehicle using Arduino Nano Controller.
- Voice-Controlled Robotic Hand with Servo Motor & Controller.
- IoT Based Automatic Waste Segregation System.
- Kitto Walking Robot using Arduino Uno Controller.
- Sensor-Based ANT Robot using Arduino Mega Controller.

TRAINING

Summer Training

- Completed a 60-day summer training program with **Jaipur Metro Rail Corporation Ltd. ,Jaipur** , focusing on Telecommunication, Automatic Fare Collection, and Signalling departments.

PROFESSIONAL SUMMARY

M.Tech qualified Assistant Professor with 4 years of experience in higher education, curriculum delivery, and student mentorship. Key contributor to institutional growth, actively participating in NAAC and NBA accreditations. As a Robotics Lab Incharge Dedicated to bridging theory with practice by mentoring advanced Arduino and robotics student projects

SKILLS

PROGRAMMING & OPERATING SYSTEMS

C•C++ | Windows XP/7/8

Technical

Digital System Design, Computer Networking & Network Security, DBMS, Web Technology, DSA, Antenna Design, Digital Communication, CA, EDC, Network theory

Technical Tools & Software

Antenna Design & Simulation: CST Microwave Studio, ANSYS HFSS

Engineering & Mathematical Modeling: MATLAB

3D Printing & Fabrication: Repetier-Host, 3D Printer Controller Configuration

CAD & Designing: AutoCAD Fundamentals

EDUCATION

Global Institute of Technology, Jaipur

M.TECH IN DIGITAL COMMUNICATION

2024

Percentage:72.27 %

JECRC College, Jaipur

B.TECH IN ELECTRONICS AND COMMUNICATIONS ENGINEERING

2012 - 2016

Percentage:71.36%

MHS, Jaipur

SENIOR SECONDARY

2011 - 2012

Percentage:72.40%

MHS, Jaipur

SECONDARY

2009 - 2010

Percentage:80.50%

RESEARCH PUBLICATIONS

- **Sharma, S.**, Srivastava, R., Saxena, C., Gupta, H. K., & Patidar, R. (2025). **Flexible Triple Band Antenna for Wireless Application.** *In Proceedings of the 6th International Conference on Recent Trends in Communication & Intelligent Systems (ICRTCIS)*, Jaipur, India, IEEE Xplore. DOI: 10.1049/icp.2025.2730.
- **Sharma, S.**, & Patidar, R. (2022). **Flexible Antenna Recent Trends and Challenges.** *Journal of Microwave Engineering & Technologies (JoMET, STM Journals)*, 9(3), 1-6. ISSN: 2349-9001. DOI: 10.37591/JoMET.
- **Conference Paper Presentation:** Participated and presented a paper at the *Advance Mathematics and AI Conference*.

CERTIFICATIONS & ACHIEVEMENTS

- **GATE Qualified (2019):** Successfully cleared the Graduate Aptitude Test in Engineering in ECE domain.
- **AI Tools & ChatGPT Workshop:** Certified by *be10x* for implementing AI tools in rapid data analysis, advanced coding/debugging, and presentation development (July 2026).
- **Course on Computer Concepts (CCC):** Certified by **NIELIT**, Ministry of Electronics & IT, Govt. of India (July 2018).

FDPs

- FDP on "IGNITE course on Entrepreneurship"
- FDP on "Information Security with Cryptography"
- International FDP on "Ph.D. Proposal Crafting and Thesis Structuring" & Many more FDPs