BIO-DATA

Name: Dr. GAURAV UPADHYAY
Designation: Assistant Professor
Institute: MANIT, Bhopal
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B.Tech: UPTU Lucknow
Branch: Electronics and Communication Engineering

M.Tech: Communication System
Institute: Motilal Nehru National Institute of Technology Allahabad, Prayagraj-211004
Supervisor: Prof Amit Dhawan

Ph.D. Thesis title: Multiband, Reconfigurable, and Millimeter-wave Antenna for Intelligent Transportation Systems.
Supervisor: Prof. V.S. Tripathi
Institute: Motilal Nehru National Institute of Technology Allahabad, Prayagraj-211004
Year: 2014-2018

Teaching experience

S. No.	Position held	Name of The Institute	From	To
1.	Assistant Professor	IT Gopeshwar	16/01/2018	30/03/2023
2.	Assistant Professor L - 10	MANIT Bhopal	26/12/2023	28/09/2025
3.	Assistant Professor L - 11	MANIT Bhopal	29/09/2025	Till date

Administrative experience

S. No.	Position held	Name of The Institute	From	To
1.	Gate Coordinator	IT Gopeshwar	February 2018	15/03/2023
2.	Head of Department	IT Gopeshwar	March 2018	July 2019
3.	Dean Academics	IT Gopeshwar	Jan 2021	15/03/2023
4.	Assistant Warden (H – 10 A)	MANIT Bhopal	16 Feb 2024	Till Date
5.	Departmental Alumni Coordinator	MANIT Bhopal	June 2024	Till Date
6.	Think India Coordinator	MANIT Bhopal	June 2024	Till Date

Professional Award/Certificate

S. No.	Name of Award/certificate	Awarding Agency	Year
1.	Volunteer IMARC/APMC 2016	IIT Delhi	2016
2.	Three days' workshop 2016	IIT BHU	2016
3.	One-week workshop ADSPNIT-2017	MNNIT Allahabad	2017
4.	One-week workshop CADIT-2017	MNNIT Allahabad	2017
5.	One-week induction program 2018	IIT Kanpur	2018
6.	One-week Workshop Organized	IT Gopeshwar	2019
7.	International conference IIENC organized	IT Gopeshwar	2021
8.	One-week workshop organized	IT Gopeshwar	2022
9.	Organized One-week Faculty Development Program on Wireless Communication Technologies 5G and Beyond	MANIT Bhopal	2025
10.	Organized 3rd International conference MAC-2025, 27th – 29th June 2025	MANIT Bhopal	2025

Publication (List of paper published in SCI Journal)

S. No.	Author(s)	Title	Name of journal	Volume	Page	Year
1.	**Gaurav Upadhyay**, and V. S. Tripathi	Pin-Diode Based Switchable Multiband Dual Feed Microstrip Patch Antenna	Microwave and Optical Technology Letters	58	2814-2818	2016
2.	**Gaurav Upadhyay**, Nand Kishore, Saurabh Raj, V.S. Tripathi and Shivesh Tripathi	Dual Feed CSRR Loaded Switchable Multiband Microstrip Patch Antenna for ITS Applications	IET Microwaves, Antennas & Propagation	Published	1-6	2018
3.	Prashant Ranjan, Saurabh Raj, **Gaurav Upadhyay**, Vijay Shanker Tripathi, and Shivesh Tripathi	Circularly slotted flower shaped UWB filtering antenna with high peak gain	International Journal of Electronics and Communications (AEU)	81	209-217	2017
4.	Nand Kishore, **Gaurav Upadhyay**, Arun Praksh, and V S Tripathi	Millimeter Wave Antenna for Intelligent Transportation Systems	Journal of Microwaves, Optoelectronics and Electromagnetic Applications (JMOe)	17	171-178	2018
5.	Nand Kishore, **Gaurav Upadhyay**, V S Tripathi, and Arun Praksh	Dual band rectangular patch antenna array with defected ground structure for ITS application	International Journal of Electronics and Communications (AEU)	96	228-237	2018
6.	Gaurav Maithani, Vinay Kumar Pandey, Vivek	Design of Dual Feed Microstrip Patch Antenna for Intelligent Transportation System (ITS)	International Journal of Advanced Research in	11	0976-6499	2020

	Anand, **Gaurav Upadhyay**		Engineering and Technology			
7.	Saurabh Raj, **Gaurav Upadhyay**, Shivesh Tripathi, V S Tripathi, S S Tripathi	An Electromagnetic Band Gap-Based Complementary Split Ring Resonator Loaded Patch Antenna for Glucose Level Measurement	IEEE Sensor	21	22679 - 22687	2021

Publication (List of paper published/accepted in International conference)

S. No.	Author	Title	Conference	Year
1.	**Gaurav Upadhyay**, Prashant Ranjan, Nand kishore, and V S Tripathi,	Microstrip Patch Antenna for 24 GHz Application Using Slotted Ground Structure	Radio wireless week (RWW-2017)	2017
2.	Prashant Ranjan, **Gaurav Upadhyay**, Nand Kishore, Shivesh Tripathi and V.S. Tripathi	UWB Filter with Controllable Notch Band and Higher Stop Band Transmission Zero Using Open Stub in Inverted T-Shaped Resonator	2017 IEEE Asia Pacific Microwave Conference (APMC)	2017
3.	Prashant Ranjan, **Gaurav Upadhyay**, Nand Kishore, Shivesh Tripathi and V.S. Tripathi	Triple Band Microwave Filter Using Stepped Impedance Line (SIL) and Stub Loaded Resonator with Five Transmission Zeroes	IMaRC-2017, Ahemdabad	2017
4.	**Gaurav Upadhyay**, Nand Kishore, Prashant Ranjan, Shivesh Tripathi and V S Tripathi,	PIN-Diode Based Slotted Reconfigurable Multiband Antenna Array for Vehicular Communication	International Journal of Electronics and Communication Engineering	2017
5.	**Gaurav Upadhyay**, Nand Kishore, Prashant Ranjan, Shivesh Tripathi and V S Tripathi	PIN-Diode Based Slotted Reconfigurable Multiband Antenna Array for Vehicular Communication	International Journal of Electronics and Communication Engineering	2017
6.	Saurabh Raj, Nand Kishore, **Gaurav Upadhyay**, Rajeev Gupta, Shivesh Tripathi, Vijay Shanker Tripathi	A Novel Design of CSRR Loaded Truncated Patch Antenna for Non-Invasive Blood Glucose Monitoring System	International Microwave and RF Conference IMaRC2018	2018
7.	Saurabh Raj, Nand Kishore, **Gaurav Upadhyay**, Rajeev Gupta, Shivesh Tripathi, Vijay Shanker Tripathi	A Compact Design of Circularly Polarized Fractal Patch Antenna for 5G Application	International Microwave and RF Conference IMaRC2018	2018
8.	Gaurav Maithani, **Gaurav Upadhyay**, Arvind Kumar	Design and Analysis of Low-Noise Amplifier for Ku-Band Applications	Computing Algorithms with Applications in Engineering: Proceedings of ICCAEEE 2019	2020

9.	Gaurav Maithani, Arvind Kumar, **Gaurav Upadhyay**	Design of Graphene-Based Nano-patch Antenna for Terahertz Wave Propagation	Proceedings of Integrated Intelligence Enable Networks and Computing	2021
10.	S Pathak, N Kishore, **G Upadhyay,** RK Ratnesh, and R Mishra	A compact size planar microstrip-fed patch antenna with hexagonal DGS Slot for WLAN application	Recent Trends in Electronics and Communication: Select Proceedings of VCAS 2020	2022
11.	Amit Choubey, Yash Chede, Harsh Laad, Mukesh Tagore, **Gaurav Upadhyay and R N Yadav**	Design and Analysis of a Multiband Hex-Ring Patch Antenna for WLAN And WiMAX Applications	International Conference on Microwave, Antenna and Communication, MAC2024	2024
12.	Mukesh Tagore, Osho Karaiya, Mohit Patidar, Abhishek Singhal, Abhishek Sharma, and **Gaurav Upadhyay**	Design and Simulation of Double Annular Ring Microstrip Patch Antenna with Multiband Feature	International Conference on Microwave Antenna and Communication, MAC2024	2024
13.	H Paralikar, **G Upadhyay**, A Kumar, A Gupta	Thermal analysis of Recessed Source/Drain Junction-less MOSFET with Enhanced Electrostatic Performance	2024 International Conference on IoT, Communication and Automation Technology (ICICAT)	2024
14.	B Nagar, D Sen, S Deolikar, A Nadeem, **G Upadhyay**	Design and Performance of a Multiband Monopole Antenna for IoT and ISM Applications	International Conference on Microwave Antenna and Communication, MAC2025	2025
15.	A Sreeja, NL Sri, N Hemalatha, T Sharma, B Nagar, **G Upadhyay**	Triple-Resonant Microstrip Antenna for C and X Band Wireless Systems	International Conference on Microwave Antenna and Communication, MAC2025	2025
16.	S Deolikar, A Nadeem, B Nagar, D Sen, A Kumar, **G Upadhyay**	Miniaturized Slotted Ground Structure Based Microstrip Patch Antenna Design	International Conference on Microwave Antenna and Communication, MAC2025	2025

Projects:

S. No	Project Title	Amount in lakh	PI/Co-PI	Status
1.	Wireless Energy Harvesting Device for Intelligent Transportation System	2.10	Co-PI	Completed
2.	**Development and Deployment of Reliable, Robust and Cost-effective Positioning solution within Inches Accuracy for Enabling Digital Bharat**	**37**	**PI**	**Ongoing**

Patents:

S. No.	Name of Patent	Registration No	Date of Award/Application	Awarding country	Patent Status
1.	DGS Based slotted millimeter Wave microstrip patch Antenna for Non-Invasive blood Glucose level	202211033211	10/06/2022	India	Published
2.	A Rectangular dielectric resonator-based microwave sensor For Noninvasive Blood Glucose Level	202211031605	18/09/2024	India	Granted

Research Supervision:

1. **PhD**

S No	Name of scholar	Area	Reg Year	Full Time/Part Time	Status
1.	Brajesh Nagar	RF and Microwave	2024	Full Time	Ongoing
2.	Manoj Kumar Malhaare	RF and Microwave	2025	Part Time	Ongoing

2. **M.Tech**

S No	Name of scholar	Area	Year	Full Time/Part Time	Status
1.	Hrishikesh	VLSI	2023 - 2025	Full Time	Completed
2.	Sejal Dewalikar	RF and Microwave	2024 - 2026	Full Time	Ongoing
3.	Sagar Soni	VLSI	2024 - 2026	Full Time	Ongoing

Date : 11 Nov, 2025
Place: Bhopal, M.P.

(Gaurav Upadhyay)