

• Nano-Electronics Technology Courses Floated: Antenna Engineering Labs. Setup: Biomedical Instrumentation Lab Basic Electronics Device Lab Labs. In charge: Biomedical Instrumentation Lab Basic Electronics Device Lab					
Academic/Administrative Responsibilities Held:					
Member BoS of deptt. of EI Engg. Member of Examination Cell Member of faculty board Member of Swayam implementation committee Member of university cultural committee Library In-charge Project Co-ordinator Registration In-charge					
Publications/Training Course Attended					
Publication in Referred Journal: 9 Training courses/FDP/STTP attended: 6 Publication in Conferences: 5 Books/Books Chapters : 2					
Invited Talks/Keynote address/Expert lecture delivered					
- Invited talk on, “Electronic Band Gap Structures and its Application in Antenna,” delivered at Department of Electronics and Communication Engg., R D Engineering College, Ghaziabad on 04 November 2018. - Invited talk on, “MIMO Antennas and Its applications,” delivered at Department of Electronics and Communication Engg., R D Engineering College, Ghaziabad on 17 February 2019. - Invited Talk on, “Nano-Antennas,” delivered at Department of Electronics and Communication Engg., Sanskar College of Engineering & Technology, Ghaziabad on 24 November 2019. - Invited talk on, “Smart Antenna and its Application,” delivered at Department of Electronics and Communication Engg., Sanskar College of Engineering & Technology, Ghaziabad on 22nd December 2019.					
Professional Societies Memberships: 01					
Institution of Electronics and Telecommunication Engineers (IETE) : Fellow [F-502508]					
Research Projects (Completed/Ongoing):					
Research Project Ongoing: 01					
Sr. No.	Title of Project	Funding Agency/ Ref.	Duration/ Amount	Institute/ University	Position
1.	Design and Development of Metamaterial based Microstrip Antenna for sixth Generation (6th) Wireless Communication at Extremes Urban Capacity Spectrum (720GHz)	Utter Pradesh State Higher Education Council	3 Yrs / 1.15 Lac	MJP Rohilkhand University, Bareilly	PI
Research Project Completed: 01					
Sr. No.	Title of Project	Funding Agency/	Duration/ Amount	Institute/ University	Position

		Ref.			
1.	Design of Miniature Multiband Microstrip Antenna for WiMax, C-Band, & X-Band by Using Metamaterial	TEQUIP-III	2 Years/ 200,000.00	MJP Rohilkhand University, Bareilly	PI
Latest Publications:					
1. Gain Enhancement Techniques of Microstrip Patch Antenna: A Review <i>Solid State Technology</i>, vol. 60, no. 4, pp. 53-61, 2017. 2. Train Intelligent Control System with IR Sensor and Location ID Tag <i>International Journal for Research in Applied Science & Engineering Technology</i>, vol. 6, no. 5, pp. 574-579, 2018. 3. A Circular-Head Short-End Stub DGS Loaded Coplanar Tri-Band-Pass Microstrip Filter Design Engineering (Toronto), vol. 2019, pp. 8-12, 2019. 4. Design and simulation of DGS based multi band filter for wireless applications <i>Journal of Information and Optimization Sciences (Taylor & Francis)</i>, vol. 40, no. 2, pp. 559-566, March 2019. 5. A Review on design of Multiband Filter Using Different DGS Structures to Enhance the Performance <i>Journal of Circuits System and Computers</i>, 2020. 6. CAD Applications Of ANFIS Model For Annular Ring MPA <i>Solid State Technology</i>, vol. 63, no. 5, pp. 5771 – 5778, 2020. 7. Defected Ground Coplanar Multi-Band-Pass Microstrip Filter <i>Information Technology in Industry</i>, vol. 9, no.1, 2 18-Feb-2021. 8. Analysis of Cooling on Photovoltaic Module: A Review <i>Vidyabharati International Interdisciplinary Research Journal</i> 9. Gain Enhancement Techniques of Microstrip Patch Antennas: A Review <i>Turkish Online Journal of Qualitative Inquiry</i>, vol. 12, no. 2, 3868, 2021.					
Publication in Conferences					
1. A Miniaturized multiband pass filter using defective ground structure <i>International Conference on Academic Research in Engineering, Management and Information Technology</i> 2020 Mahatma Jyotiba Phule Rohilkhand University Bareilly UP ISSN 978-81-933433-9-5. 2. ANFIS model of DGS triangular ring MPA for multi-frequency application <i>International Conference on Academic Research in Engineering, Management and Information Technology</i> 2020 Mahatma Jyotiba Phule Rohilkhand University Bareilly UP ISSN 978-81-933433-9-5. 3. CAD application of ANFIS model for annular ring MPA <i>International Conference on Academic Research in Engineering, Management and Information Technology</i> 2020 Mahatma Jyotiba Phule Rohilkhand University Bareilly UP ISSN 978-81-933433-9-5. 4. Graphene-Enabled Reconfigurable Microstrip Antenna for Next Generation Wireless System; A Review <i>International Conference on Intelligent Communication, Control & Device (ICICCD-2025)</i> Electrical Cluster, School of Advanced Engineering, at UPES, , Dehradun, India on 10-11 October, 2025. 5. Metamaterial Based Pattern Reconfigurable Microstrip Antenna; A Review <i>IEEE International Conference on Cognitive Computing in Engineering, Communications, Sciences and Biomedical Health Informatics (IC3ECSBHI-2025)</i> Gautam Buddha University, Greater Noida, India DOI: 10.1109/IC3ECSBHI63591.2025.10990443					
Books/Books Chapters					
1. Microstrip Antennas for RF/microwave Applications <i>NPS Noble Science Press</i> 2023, E-ISBN 978-93-88996-51-8, P-ISBN 978-81-961117-9-3, DOI: https://doi.org/10.52458/9789388996518.nps2023.tb 2. Technology Developments in Computer Intelligence and Their Application in the Era of Industry 5.0.” In <i>Technology Developments in Computer Intelligence and Their Application in the Era of Industry 5.0</i>, CRC Press, Taylor & Francis Group, pp. 46–69. ISBN: 978-1-032941080. DOI: 10.1201/9781003568995.					

Research Projects

1. Design of miniature multiband microstrip antenna for WiMax C-band and X-band by using metamaterial.
Funding Agency: NPIU, MHRD, New Delhi
Scheme: Seed Grant under TEQIP-III
Role : Principal Investigation
2. Design and Development of Metamaterial based Microstrip Antenna for sixth Generation (6th) Wireless Communication at Extremes Urban Capacity Spectrum (720GHz)
Funding Agency: Uttar Pradesh State Higher Education Council
Scheme: Research & Development Scheme
Role: Principal Investigation

Training courses/FDP/STTP attended

1. Optical Fibers: Potential & Applications through ICT conducted by Galgotias College of Engineering and Technology, Greater Noida & National Institute of Technical Teachers Training and Research, Chandigarh 18/12/2016 to 22/12/2016 (one week). Sponsored by AICTE, Govt of India.
2. Entrepreneurship conducted by Department of Business Administration, Mahatma Jyotiba Phule Rohilkhand University Bareilly UP and ABESEC Startups Lab(ASL) Sponsored by NSTEDB Department of science & Technology 26 Dec 2017-08 Jan 2018. (Two week).
3. Virtual Instrumentation Using Lab view Software conducted by Faculty of Engineering & Technology, Mahatma Jyotiba Phule Rohilkhand University, Bareilly 04 sponsored by TEQIP-III, 08-12 July 2019. (one week).
4. Green Chemistry conducted by Department of Chemical Engineering & Department of Pharmacy, Jyotiba Phule Rohilkhand University Bareilly and Department of Chemical Engineering of RMS College of Engineering, Bengaluru 25.02.2020 to 29.02.2020. (one week)
5. Computational Tools on Engineering and Research Opportunities and Challenges conducted by R.R. Institute of Modern Technology, Lucknow 01-06 June 2020. (one week)
6. Assessment and accreditation process of NAAC conducted by Mahatma Jyotiba Phule Rohilkhand University Bareilly UP in Collaboration with NAAC, Bengaluru 18 July 2020.