




# Faculty Profile on University Website

[www.mjpru.ac.in](http://www.mjpru.ac.in)

Title	Ms.	Inderpreet		Kaur		Photograph
Designation		Assistant Professor				
Department		Electronics and Communication Engineering				
Address	Cam pus	E.C.E. Department F.E.T. MJPRU, Bareilly Uttar Pradesh				
	Resid ence	85 City heart Colony Bareilly				
Mobile No.		9897662554				
Email ID		Personal		amitoj.ekas@gmail.com		
		University Domain		Inderpreet.mjpru.ac.in		
Professional Networking ID, LinkedIn, Twitter etc.						
Educational Qualifications (Graduation Onwards)						
Course/Degree	Institution			Year	Details/Thesis Topic/Subjects	
Diploma course	Board of Technical Education, Lucknow U.P			2001	Electronics and Communication Engineering	
B.Tech	Uttar Pradesh Technical University, SRMS Bareilly			2004	Electronics and Communication Engineering	
M.Tech	Uttar Pradesh Technical University, Lucknow			2011	Microwave Engineering	
PhD	NIT Silchar			Pursuing	Antenna Designing	
Career Profile						
Organization / Institution			Designation	Duration	Nature of Duties	
Government Girls Polytechnic Bareilly			Guest Faculty	July 2004- jan2005	Teaching	
Electronics and Communication Engineering, MJP Rohilkhand University, Bareilly			Guest Faculty	Sep 2005-Aug 2008	Teaching	
Electronics and Communication Engineering, MJP Rohilkhand University, Bareilly			Regular Faculty	28/Aug/2008 to Till Date	Teaching	
Research Interests / Specialization						
RF Engineering, Antenna Designing, and Internet of Things (IoT)						
Research Experience in Years 10 Years						
No of Research Scholars Successfully Guided NA						

<b>Name of Programme</b>		<b>Awarded</b>		<b>Under Supervision</b>						
Ph.D.		Pursuing		Dr. Banani Basu, National Institute of Technology, Silchar						
Dissertation (M.Tech)		2011		Dr. Madan Singh, Uttar Pradesh Technical University, Lucknow						
<b>Researcher/Expert ID</b>	<b>Scopus</b>		<b>Orchid</b>		<b>Publons</b>		<b>Vidwan</b>		<b>Google Scholar</b>	
	57259931800		0000-0003-0078-002X		AAX-8083-2020				jb6DWJkAAAAJ	
<b>Teaching Experience (Subjects/Courses Taught)</b>										
15 Years of teaching Experience										
Microprocessor, Basic electronics, Digital Electronics, Optical fiber Communication, Antenna and wave Propagation, Microwave Engineering, Satellite Communication.										
<b>Honours / Awards &amp; Fellowship.</b>										
<b>Name of Award/Fellowship</b>			<b>Awarded By</b>							
			<b>Name of Governmental Agency</b>		<b>Name of Government Supported Organization/ Department</b>			<b>Name of International Recognized Body</b>		
McAfee Scholar Award Programme 2016-17			-		-			Foundation for advancement of Education and Research		
Contribution in Higher Education-2021			MJP Rohilkhand University, Bareilly		MJP Rohilkhand University, Bareilly					
Nation Builder Award-2022			-		Rotary India Literacy Mission					
<b>Publications /Academic Activities (Numbers Only)</b>										
Books & Monographs (Single Author)	00	Research Papers Published in International Journals	05	Papers Presented in Seminars/ Conferences	10	Seminars/ Conferences Organized	05	Research Projects Completed	01	
Books (Co-authored)	01	Research Papers Published in Other Journals	05	Seminar/ Conferences Attended	10	Workshops Organized	05	Research Projects (Ongoing)	00	
Books (Edited)	01	Articles Published in Popular Fora, e.g., Websites, Blogs, Newspapers, Magazines etc.	02	Sessions Chaired in Seminars/ Conferences	03	Membership of Academic / Professional Bodies	03	Research Projects (Submitted)	01	
Chapters in Edited Books	05			Resource Lectures Delivered	02	No of Patents	04	Foreign Countries Visited for Academic Assignments	00	

Details of Publications /Academic Activities (2010 Onwards)							
(a) Authored Books/ Monographs							
Name of Book		Year of Publication	Publisher		ISBN No		
Fundamental of Electronic Circuits		2023	Book Rivers				
(b) Edited Books							
Year of Publication	Title	Publisher	ISBN	DOI No.	Citations		
2012	Software Applications in Engineering and Technology	Niharikanjali Publication Kanpur	978-81- 921124-7-3				
2023	Fundamental of Electronics circuits	PHOENIX International Publishing House	9789358429664				
2023	Fundamental of Digital Electronics	JEC Publication	9789358509830				
2023	Artificial Intelligence	JEC Publication	9789358505412				
2023	Electrical Engineering	JEC Publication	9789358505146				
(c) Papers Published in UGC Care Listed /Indexed/ Peer Reviewed Journals							
Year of Publication	Title	Name ofJournal	ISSN No	No of Co-Authors	Impact Factor		
2021	Bidirectional Substrate Integrated Waveguide Antenna for X Band Weather Radar Application.	Design Engineering	0011-9342	2	1.41		
2020	Next Generation Antenna: Large scale antenna for Mobile Communication	Turkish Journal of Computer and Mathematics education Volume11 No2 816-828	1309-4653	2	0.33		
2022	Annular Ring Ultra Wideband Antenna Integrated With Metallic via Array for IoT Applications	IEEE Access	2169-3536	6	3.78		
2020	Frequency Reconfigurable Wideband Antenna for Wireless Application	Trends in Microwave Engineering and Technology Vol-5 Issue-3	2455-0337	3	5.113		
2023	Sub-6 GHz Metallic via Integrated MIMO Antenna Array for 5G Smartphone	Progress in Electromagnetic research c,Vol 138,91-104	1559-8985	3	6.7		
(d) Chapter/Paper Published in Edited Books							
Publication		Title ofthe Book	Title of the Book Chapter	Name & Addressof Publisher	Year	ISBN	DOI Citation
Sr. No	National / International						
1	International	Wearable and Neuronic Antennas for Medical and Wireless Applications	Wireless Body Area Network Antenna	Scrivener Publishing and John Wiley & Sons, USA	2022	9781119791805	

2	International	Advances of 5G Wireless Communication System in Healthcare Informatics	MIMO Antenna for IoT and ISM Band Applications	CRC Press, Taylor and Francis USA	2022	9781032312194
3	International	Futuristic Trends in Network & Communication Technologies	Integrated Circuits Fabrication Techniques For C-Mos, N-Mos and BJT	IIP Proceedings,	2022	9788195935611
4	International	Futuristic Trends in Network & Communication Technologies	Analysis Of Atmospheric Parameters Using Remote Sensing and ArcGIS	IIP Proceedings,	2022	9788195935611
5	International	IOT with Smart Systems	Substrate Integrated Waveguide Antenna for High-Frequency Application	Springer Link	2022	978981163945640

#### **(f) Seminars/Conferences/Workshops Organized**

1. Coordinator of National Conference on "Advances in Electronics and Communication Engineering" AECE-14 on 22-23 march 2014 Organised by Department of Electronics and Communication Engineering MJPRU Bareilly
2. CO Convenor of National Seminar 'Software Applications in Engineering and Technology' (SAET-2012) on Feb17, 2012 Organised by Department of Mechanical Engineering MJPRU Bareilly
3. Co-coordinator of ICAREMIT 2015 on 21-23 Feb 2015 Organised by Department of Electronics and Communication Engineering and Mechanical Engineering MJPRU Bareilly
4. Organizing Secretary of International Symposium on IOT-SIU 2016 on 22-23 April organized by FET MJPRU Bareilly
5. Organizing Secretary of International Symposium on IOT-SIU 2017 on 22-23 Feb by FET MJPRU Bareilly
6. Coordinator of TEQIP II sponsored STC on Microwave & Wireless Communication on 29 March - 3 April 2016 organized by Electronics and Communication Engineering Department FET MJPRU Bareilly.
7. Member Organizing Committee ICNSMH-2016 on 21- 23 oct 2016 organized by Physics Department MJPRU Bareilly
8. Technical Program Co-chair ICACCA 2016, FET MJPRU Bareilly
9. Organizing Secretary of TEQIP II sponsored FDP on Environmental Impact Assessment during 26 march to 28 march 2015 organized by Chemical Department FET MJPRU Bareilly

#### **Patents**

1. National Patents on An IoT and Machine Learning Bases Method Of Communicating A Digital Message With An Information Signal (202211000067) 2021 Published
2. National Patents on Digital Voltage Tester (112230) 2022 awarded
3. National Patents on School Girls and Women Safety Empowerment Using IOT and Machine Learning Framework (202211005092) 2022 Published
4. National Patents on MIMO Antenna for Smart Agriculture System (202211022222) 2022 Published

#### **E- Contents**

1. Development of E-Learning Material on Introduction to Gunn Diode Microwave Module-1 Developer Uttar Pradesh Higher Education Digital Library 2020

2. Development of E-Learning Material Klystron Microwave Module-2 Developer Uttar Pradesh Higher Education Digital Library 2020
3. Development of E-Learning Material Travelling Wave Tube Microwave Module-3 Developer Uttar Pradesh Higher Education Digital Library 2020
4. Development of E-Learning Material Waveguide and Microwave Components Microwave Module-4 Developer Uttar Pradesh Higher Education Digital Library 2020
5. Development of E-Learning Material Magnetron Microwave Module-5 Developer Uttar Pradesh Higher Education Digital Library 2020

<b>(g) Projects (With Title, Year, Grants, Funding Agency and Collaborations)</b>					
<b>Year</b>	<b>Name of Project</b>	<b>Funding Agency</b>	<b>Amount</b>	<b>Duration</b>	
				<b>From</b>	<b>Till</b>
2022	Segmentation of Blood Vessels from retinal Images using different Image processing Algorithms	CST, UP Engineering Student Grant Scheme-2022-2023	20K	April 2022	May 2023
2023	Developing a Crop Prediction Model for Sustainable Agriculture in Rural India using Exploratory Data Analysis, IoT and Hybrid Smart Intelligence System	Council of Science & Technology U.P. Vigyan Bhawan Lucknow	16.46 Lakhs	3 Years Submitted	
<b>(h) Administrative Positions/Assignments Held</b>					
<b>Post</b>	<b>Organization</b>	<b>Duration</b>			
		<b>From</b>	<b>To</b>		
IET library Incharge	Electronics and Communication Engineering, MJP Rohilkhand University, Bareilly	2014	2020		
Proctor EC Department	Electronics and Communication Engineering, MJP Rohilkhand University, Bareilly				
Departmental Academic Incharge	Electronics and Communication Engineering, MJP Rohilkhand University, Bareilly	2012	Continues		
ACS (IET Examination)	Electronics and Communication Engineering, MJP Rohilkhand University, Bareilly	On rotation basis			
Member Examination Committee	Electronics and Communication Engineering, MJP Rohilkhand University, Bareilly	2019	Continues		
Training and Placement Coordinator Departmental	Electronics and Communication Engineering, MJP Rohilkhand University, Bareilly	2019	Continues		
<b>(I) Seminar/Conference Presentations</b>					
<ol style="list-style-type: none"> <li>1. At icccd2010 Presented Paper “Frequency agile annular ring microstrip antenna loaded with IMPATT diode” at IET international Conference on “Wireless Mobile and Multimedia Network” 2008 IEEE explore</li> <li>2. Presented Paper “Frequency agile circular Patch Antenna loaded with gun diode ” at ICETET Nagpur”2008 . paper published at IEEE explore</li> <li>3. Presented Paper “Analysis of Constrained distributed Power balancing Algorithm DSCDMA system “at ICCCD 2010 on Dec 10-12 2010 at IIIT Kharagpur</li> <li>4. Presented Paper “High Frequency Rectangular Dielectric Resonator Antenna ” at international conference on Radio Science. 2010 on 14 – 17 Dec 2010</li> <li>5. Presented Paper at Third International Conference on Advanced Computing and Communication Technologies (ACCT). 2013 paper published at IEEE explore</li> <li>6. Design and Analysis of Different Element DR Filters for Satellite Communication Application” International Journal for Scientific Research &amp; Development  Vol. 3, Issue 01, 2015   ISSN (online): 2321-0613</li> <li>7. Study of Ring Dielectric Resonator Antenna with multiloading monopole Antenna “at ICAEECE 2014 on March 8-9 2014</li> <li>8. Designing &amp; Analysis of Microstrip patch antenna for UWB Application at IOT-SIU 2018 on 23-24 February 2018 at BIAS Bhimtal</li> <li>9. Investigation of an Annular Dielectric Resonator Antenna for Wireless application” at ICAREMIT 2015 on 21-23 Feb 2015</li> </ol>					

10. Design and Simulation of Microstrip 16 – PSK Modulator for Wireless Communication Application ICAREMIT 2015 ON 21-23 Feb 11. Analysis of Hexagonal Antenna with slots in the patch and ground plane at ICAREMIT 2016 on 09-11 Dec 2016			
<b>(j) Memberships of Academic/Professional Bodies</b>			
IEEE MTTs, IIRS nodal center (Coordinator), IAENG			
<b>(k) Participation in Community Service / Exchange Programme / Consulting Activity</b>			
<b>(l) International Academic Exposure</b>			
<b>(m) Any Other Details</b>			

Signature of Faculty Member