




Faculty Profile on University Website

www.mjpru.ac.in

Title	Dr.	First Name	Chhavi	Last Name	Sharma	Photograph 
Designation	Assistant Professor					
Department	Electronics & Communication Engineering					
Address	Campus	-				
	Residence	Bareilly, Uttar Pradesh, India				
Mobile No.	9759492720					
Email ID	Personal	Yash_naina@yahoo.co.in				
	University Domain					
Educational Qualifications (Graduation Onwards)						
Course/Degree	Institution		Year	Details/Thesis Topic/Subjects		
Bachelor of Engineering	North Maharashtra University, India		2001	EC		
Master of Engineering	Dr. B.R Ambedkar University, Agra , India		2007	Microwave & Radar Engineering		
PhD	National Institute of Technology (NIT), Kurukshetra , India		2020	Thesis: "Performance Evaluation of Multicarrier Systems with nonlinear Effects"		
Organization / Institution		Designation	Duration	Nature of Duties		
College of Information Technology (CIT), Ghaziabad, U.P India		Lecturer	May 2001-June 2003	Teaching		
Shobhit Institute of Technology (Currently Shobhit University), ModiPuram, U.P ,India		Lecturer	August 2003-May 2004	Teaching		
Moradabad Institute of Technology (MIT) U.P , India		Senior Lecturer	August 2004-June 2008	Teaching		
M.J.P.Rohilkhand University Bareilly ,U.P India		Assistant Professor	Aug.2008 – Till Now	Teaching		

Research Interests / Specialization									
5G Wireless Communication Systems, Broadband Systems , Multicarrier Waveforms, Optical wireless transmission etc.									
Research Experience in Years : 14									
		Scopus	Orchid	Publons	Web of Science	Google Scholar			
Researcher/ Expert ID		Author ID=57212961420	ORCID: 0000- 0002-9350- 0316	https://publons.com /researcher/B-6076- 2013	ResearcherID: B-6076-201	www.scholar.goo gle.com.			
Teaching Experience (Subjects/Courses Taught): 19 years									
Analog & Digital Communication (B.Tech EC& EI), Wireless/ Mobile Communications (B.Tech EC), Satellite Communication (B.Tech EC), Signals & Systems (B.Tech EC) Digital Signal Processing (B.Tech EC& EI), Biomedical Instrumentation (B.Tech EI) Fundamentals of Computer Applications (BCA), Microwave & Radar Engineering (B.Tech EC& EI), Optical Fiber Communication (B.Tech EC), Communication Systems (B.Tech EE), Microprocessor (BCA)									
Publications /Academic Activities (Numbers Only)									
Books & Monographs (Single Author)	-	Research Papers Published in International Journals	7	Papers Presented in Seminars/ Conferences	12	Seminars/ Conferences Organized	03	Research Projects (Completed)	-
Books (Co- authored)	-	Research Papers Published in Other Journals	5	Seminar/ Conferences Attended	20	Workshops Organized	02	Research Projects (Ongoing)	-
Books (Edited)	-	Articles Published in Popular Fora, e.g., Websites, Blogs, Newspapers, Magazines etc.	4	Sessions Chaired in Seminars/ Conferences	05	Membership of Academic/ Professional Bodies	05	Foreign Countries Visited for Academic Assignments	-
Chapters in Edited Books	4			Resource Lectures Delivered	03				

Details of Publications /Academic Activities (2010 Onwards)					
(a) Authored Books/ Monographs					
Name of Book	Year of Publication	Publisher	ISBN No		
(b) Edited Books					
Year of Publication	Title	Publisher	ISBN	DOI No.	Citations
(c) Papers Published in UGC Care Listed /Indexed/ Peer Reviewed Journals					
Year of Publication	Title	Name of Journal	ISSN No	Citations	Impact Factor
2018	Nonlinearity Mitigation in Adaptive Coded OFDM System	Journal of Advanced Research in Dynamical and Control Systems (Scopus Indexed)	ISSN:1943-023X	1	0.27
2018	Nonlinearity Mitigation in IM/DD optical OFDM using new SLM scheme	ARNP Journal of Engineering and Applied Sciences, (Scopus Indexed) ,	ISSN 1819-6608	2	0.52
2016	An Improved DSI-PTS for PAPR Reduction of OFDM System	International Journal of Scientific & Engineering	ISSN 2229-5518	1	4.4
2015	Riemann Sequence based SLM with nonlinear Effects of HPA	IOSR Journal of Electrical and Electronics Engineering (IOSR-JEEE)e-ISSN:2278-1676,p-ISSN: 2320-3331	e-ISSN:2278-1676,p-ISSN: 2320-3331	4	1.419
2014	A ZCMT Precoding based PTS technique for PAPR Reduction in OFDM System	International Journal of computer Applications ISSN: 0975 – 8887	ISSN: 0975 – 8887	1	-
2012	PAPR reduction using SLM technique with modified Chu Sequence in OFDM system (Co-Author)	Journal of Electronics & Communication Engineering (MITIJEC)	ISSN No. 2230-7664(Print Version) &2230-7672(Online Version)	3	-
2011	PAPR Reduction in OFDM System using Adapting Coding Technique with Pre distortion	WSEAS Transactions of communication (Scopus indexed)	ISSN NO. 1109-2742,pp-255-262	12	-

	Method						
(d) Chapter/Paper Published in Edited Books							
Publication	Title of the Book	Title of the Chapter	Name & Address of Publisher	Year	ISBN	DOI	Citation
International	Springer Lecture Notes on Data Engineering and Communications Technologies	A comparison of GFDM and OFDM at same and different spectral efficiency condition	Springer Nature Switzerland (Scopus Indexed)	2019	2367-4512	https://doi.org/10.1007/978-3-030-28364-3_26	-
International	Advances in Electrical and Computer Technologies	A Power efficient GFDM system	Springer Singapore (Scopus Indexed)	2020	1876-1100	https://link.springer.com/book/10.1007/978-981-15-5558-9	-
International	Innovation in Management Practices	Need of Entrepreneurship In Technical Education as a curriculum for growing economy in India	MACMILLAN Advanced Research Series, India	2008	02063716-7	-	-
International	Trends in VLSI and Embedded Systems	Space Time Block codes for Higher data rates in wireless mobile communication Systems	MACMILLAN Advanced Research Series, India	2007	ISBN 10:0230-63383-8	-	-
(e) Invited as Resource Lectures Person/Examiner/Expert							
Resource person	Detail of Event	Title of Lecture	Date	Institution			
Lecture Delivered	World Telecommunication Day	Role of ICT in 5G Scenario	17.05.20	Institution of Engineers Bareilly Local Chapter			
Lecture Delivered	World Energy Day	Energy Conservation Day	14 .12.16	Institution of Engineers Bareilly Local Chapter			
Lecture Delivered	WTISD-2014	Broadband for Sustainable Development	17.05.14	Institution of Engineers Bareilly Local Chapter			
(f) Seminars/Conferences/Workshops Organized							
<ol style="list-style-type: none"> 1. Coordinator of National Conference on Advances in Electronics and Communication Engineering(AECE-14), 2014 2. Coordinator of One Week National Workshop/STC on Microwave and Wireless communication,29th March-3rd April 2016. 3. Organizing Secretary of International Symposium on IOT-SIU 2016 on 22-23 April, organised by FET MJPRU Bareilly 4. Organizing Secretary of International Symposium on IOT-SIU by FET MJPRU Bareilly 2018, FET MJPRU Bareilly. 5. Member of organizing team in Online National E-Workshop on “Technological Tools and their management in 							

Online Teaching” held on August 14-21, 2020 organized by M.J.P. Rohilkhand University.
6.Member of Organizing Committee ICNSMH-2016 on 21- 23 Oct 2016 organized by Physics Department MJPRU Bareilly

(g) Administrative Positions/Assignments Held

Post	Organization	Duration	
		From	To
Coordinator MIS Data feeding TEQIP Project- I	F.E.T M.J.P.R. University	2012	2014
Library Incharge	F.E.T M.J.P.R. University	2012	2018
Member of T&P cell (centre)	F.E.T M.J.P.R. University	2015	2017
Coordinator of extra & co-curricular activities	Department of EC, F.E.T M.J.P.R. University	2012	2018
Exam ACS	F.E.T M.J.P.R. University	2015	2016

(h) Seminar/Conference Presentations/Participation

- [1] **Chhavi Sharma**, S.K Tomar, Arvind Sharma, “Performance of clipped and filtered GFDM with polynomial model of HPA”,IEEE International conference on opportunities and challenges in Engineering Management and science,(OCEMS2019),Feb.15-16 2019 at RIMT, Bareilly.
- [2] **Chhavi Sharma**, Arvind Kumar , S.K Tomar“ *GFDM: A new waveform candidate for 5G*” All India seminar on Electronics Design,Technologies & Applications(EDTA-2K18) under the aegis of Institution of Engineers (India) organized by MIT Moradabad on 20-21April 2018.
- [3]**Chhavi Sharma**, Dushyant Kumar Singh, Anjula singh & Ajay Kumar, “Overview of 5G Technologies and Beyond” International Conference (ICAREMIT) on 21-23TH Feb. 2015.
- [4] **Chhavi Sharma** , Dr. Pankaj Sharma, S.K.Tomar “A ZCMT Precoding based PTS techniques for PAPR reduction in OFDM system” National seminar on Recent Advances in Wireless Networks and Communications(NWNC-2014) Jan 17-18 2014 organized by Government Engineering College Ajmer
- [5] **Chhavi Sharma**, Praveen Kumar, S.K Tomar “Green Technology” National Conference on Advances in Electronics and Communication Engineering(AECE-14) 27-28TH March 2014, organized by Electronics and Communication Department,M.J.P.Rohilkhand University Bareilly
- [6] **Chhavi Sharma**, Pankaj Sharma “National Development and The Role of Media”Role of media National Seminar on Challenges and road Ahead:A Macro-Cosmic Analysis of Sustainable Development Organized by Government Mahila College ,Bareilly (India).1-2 Feb 2014.
- [7]**Chhavi Sharma**, Dushyant Kumar Singh, Anjula singh &Ajay Kumar “The Study of Microstrip Patch Antenna Parameters using Teflon Substrate” National Symposium on Instrumentation(NSI-39) organized by IISC Bangalore & Gurukul Kangri University Haridwar15-17 october 2014.
- [8] Participated in International Seminar on “Recent Trends in materials sciences-2013(RTMS-13) organized by applied physics, faculty of Engineering & Technology M.J.P.R.University Bareilly Nov.21,2013.
- [9] **Chhavi Sharma** , S.K.Tomar, A.K.Gupta “ PAPR reduction techniques for multicarrier systems: An overview, National seminar on software applications in engineering and technology (SAET-2012),organized by institute of engineering and technology ,M.J.P.Rohilkhand University Bareilly17TH Feb 2012 .
- [10] **Chhavi Sharma**, Nilima Singh “**Role of Technology for Higher Education in india**” National Conference on Scientific And Technological Approach in Higher Education, 2012, Rampur.
- [11]**Chhavi Sharma** , Pankaj Kumar Sharma, S.K.Tomar “ Nonlinear Distortion Reduction for Power Efficiency Improvement in OFDM System by Pre-distortion Technique with SSPA Model using Neural Network, International Conference on Sunrise Technologies (i-COST-2011),SSVPS’s B.S.DEORE College of engineering & polytechnic,Dule,-India, January 13-15,2011
- [12]Pankaj Kumar Sharma, R.K. Nagaria, **Chhavi Sharma**, T.N.Sharma, “Nonlinear Distortion Reduction in OFDM System using Nonlinear Capacitance Cancellation Technique ” accepted in International Conference on Advances in Electrical & Electronics Engineering (ICAEEE-2011), MIT ,Moradabad, February 25-26,2011
- [13] **Chhavi Sharma**, Nilima Singh “ **Role of ICT In Higher Education In India**” National Seminar on higher education in india :Present Scenario and Future Prospects , September 18-19-2011,Rampur

(i) Memberships of Academic/Professional Bodies

- Corporate Member of Institution of Engineers Bareilly Local Chapter
- Associate Member , The Institute of Engineers (India), Kolkata
- Life Member , IETE, India
- Member of the International Association of Engineers (IAENG) membership number: 63633
- Member of Wireless Communication Technical committee (WTC)
- Life member of ISTE

(j) Any Other Details

- **Got selected** in Government Polytechnic as a lecturer in 2008.
- **Paper Reviewer** in National Conference NCEET-2008 at M.I.T, Moradabad
- **Paper Reviewer** of world scientific and Engineering Academy and society (WSEAS)
- **Paper Reviewer** in ICACCA2017 , **IEEE conference** , held at Dehradun, Uttarakhand
- **Paper Reviewer** in ICACCA2019, **IEEE conference** GLA Mathura, Uttar Pradesh.
- **Member of Technical Committee** National seminar on software applications in engineering and technology (SAET-2012), organized by institute of engineering and technology ,M.J.P.Rohilkhand University Bareilly 17TH Feb 2012
- **Member of Technical Committee**, International Conference (ICAREMIT) on 21-23TH Feb. 2015 organized by institute of engineering and technology ,M.J.P.Rohilkhand University Bareilly 17TH Feb 2012 .
- **Member of Newsletter Committee** of Institution of Engineers Bareilly Local Center from 2019 till now.
- **Article published** in a souvenir on 47th Engineers day on the topic **“Impact of internet on Indian Economy” as a subtopic of making Indian engineers world class** 15th Sep. 2014 Published by Institution of Engineers Bareilly Local Centre.
- **Article published** in a souvenir Engineers day on the topic **“Role of Human Values in Technical Education”** 15th Sep 2018 Published by Institution of Engineers Bareilly Local Centre.
- **Developed a lab** named “Advanced Communication” under the project TEQIP-II in 2018.
- **Started the Departmental activity club** in the Department of EC, FET M.J.P.Rohilkhand University, and Bareilly in 2015.
- **Edited and published** the first **Departmental News Letter** in the Department of EC, FET M.J.P.Rohilkhand University Bareilly during the academic year 2015-16.
- **Edited** the conference proceedings of National Conference on “Advances in Electronics and Communication Engineering (AECE-14)”, 2014.