



Faculty Profile on University Website

www.mjpru.ac.in

Dr. Chhavi Sharma

Dr. Chhavi Sharma				
Designation		Associate Professor		
Department		Electronics & Communication Engineering		
Address	Campus	-		
	Residence	Bareilly, Uttar Pradesh, India		
Mobile No.		9759492720		
Email ID		Personal	yashnaina2015@gmail.com	
		University Domain	chhavi.sharma@mjpru.ac.in	
Educational Qualifications (Graduation Onwards)				
Course/Degree	Institution	Year	Details/Thesis Topic/Subjects	
Bachelor of Engineering	North Maharashtra University, India	2001	Electronics and Communication Engineering	
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	Assistant Professor (stage 1)	Aug.2008 – Aug 2013	Teaching				
M.J.P. Rohilkhand University	Assistant Professor (stage 2)	Aug.2013 – August 2018	Teaching and research				
M.J.P. Rohilkhand University	Assistant Professor (stage 3)	August 2018-Aug.2021	Teaching and research				
M.J.P. Rohilkhand University	Associate Professor	August 2021-till now	Teaching and research				
Research Interests / Specialization							
5G Wireless Communication Systems, Broadband Systems, Multicarrier Waveforms, Optical wireless transmission etc., AI in Future Communication Systems							
Research Experience in Years : 14							
Researcher/ Expert ID	Scopus	Orchid	Publons	Web of Science	Google Scholar		
	Author ID=57212961420	ORCiD: 0000-0002-9350-0316	https://publons.com/researcher/B-6076-2013	ResearcherID: B-6076-201	www.scholar.google.com. https://vidwan.inflibnet.ac.in/profile/421514		
Teaching Experience (Subjects/Courses Taught): 22 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), Optical Communication (M.Tech+Phd) , 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), Advanced Digital communication (M.Tech)							
Publications /Academic Activities (Numbers Only)							
Books & Monographs (Single Author)	1	Research Papers Published in International Journals	15	Papers Presented in Seminars/ Conferences	22	Seminars/ Conferences Organized	05
Books (Co-authored)	6	Research Papers Published in Other Journals	05	Seminar/ Conferences Attended	40	Workshops Organized	05
Books (Edited)	4	Articles Published in Popular Fora, e.g., Websites, Blogs, Newspapers,	15	Sessions Chaired in Seminars/ Conferences	10	Membership of Academic/ Professional Bodies	08
Chapters in Edited Books	10			Resource			

		Magazines etc.		Lectures Delivered	10		
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(a) Papers Published in UGC Care Listed /Scopus/SCI Indexed/ Peer Reviewed Journals					
Year of Publication	Title	Name of Journal	ISSN No	Citations	Impact Factor
2026	Simulation and Performance Analysis of a VLC-Based Greenhouse Farming System Under Different Atmospheric Conditions	International Journal of Innovative Science and Research Technology	2456-2165	02	8.33
2025	Energy Efficient PAPR Reduction for ACO-OFDMVLC: A hybrid approach using Zaddoff-chu Precoding with LSTM Encoder	Advanced Engineering Informatics (Scopus Indexed)	1474-0346	1	9.9
2025	Enhancing Underwater Communication through MIMO Technology Utilizing Diverse Modulation Schemes	International Journal of Innovative Science and Research Technology	2456-2165		8.33
2025	Lifecycle Maintenance Strategies for Solar PV Systems: A Focus on Rooftop and Ground-Mounted Installations	Nanotechnology Perceptions	ISSN 1660-6795	2	0.22
2024	A Novel Framework for Securing Healthcare Data with Blockchain: Machine Learning and NLP Approaches to Thyroid Cancer Detection and Hospital Business Management	International Journal Intelligent systems and applications in Engineering	2147-6799	2	0.742
2023	A technical Review on visible Light communication System	Omniscient Journal Vol.1, issue 2 page :21-36	2583-7575	1	--
2022	“Performance Enhancement of Generalized Frequency Division Multiplexing using Zadoff-Chu Precoding Scheme”	Turkish journal of Computer and Mathematics Education	1059-1067	2	0.658
2022	Implementation of Reliability Antecedent Forwarding Technique Using Straddling Path Recovery in MANET	Wireless communication and mobile computing	1530-8677	65	2.416
2022	C+F GFDM with polynomial model of HPA	International journal of Electronics and communication	2348-8549	03	0.5

		Engineering (IJECE)			
2022	Generalized frequency Division Multiplexing with TWTA High power Amplifier model	Journal of interdisciplinary cycle Research	022-1945	02	1.0
2019	Out of band leakage performance of Generalized frequency division multiplexing”	Journal of Network Security Computer Network, Volume 5 Issue 1,pp-8-14.	e-ISSN: 2581-6393	03	0.6
2018	Nonlinearity Mitigation in Adaptive Coded OFDM System	Journal of Advanced Research in Dynamical and Control Systems	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,	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	3.12
2012	PAPR reduction using SLM technique with modified Chu Sequence in OFDM system	Journal of Electronics & Communication Engineering (MITIJECE)	ISSN No. 2230-7664(Print Version) &2230-7672(Online Version)	7	-
2011	PAPR Reduction in OFDM System using Adapting Coding Technique with Pre-distortion Method	WSEAS Transactions of communication	ISSN NO. 1109-2742,pp-255-262	25	3

(b) Chapter/Paper Published in Edited Books

Public ation	Title of the Book	Title of the Chapter	Name & Address of Publisher	Year	ISBN	DOI/website link
International	Rural Industrialization	Structural Transformation	Book Rivers Publications	2026	978-93-7837-	https://www.stor.e.bookrivers.co

		and Rural Economic Growth: Evidence from Industrial Expansion in India			068-7	m/product/rural-industrialization/
International	The future of general Management in the age of Intelligent Technologies	Intelligent Work The Convergence of Evidence-Based Management and Human-AI Collaboration in Shaping Future Organizations	MultiSpectrum Publications	2026	ISBN: 685355-9-6	https://www.multispectrum.org/book.php?id=29
International	Proceedings of 2025 International Conference on Electrical Engineering and Information Systems (CEEIS)	Comparative analysis of Nonlinearity in Asymmetrically clipped OFDM VLC system using a precoding scheme for sustainable connectivity across modulation orders	IEEE	2025	Electronic ISBN: 979-8-3315-1379-5	https://doi.org/10.1109/CEEIS65979.2025.00013
National (Editor of Book)	Proceeding of All India Seminar	Irrigation, Drainage and Water Management	IEI Bareilly Local Center	2025	978-93-343-2959-9	-----
International	Lecture Notes in Electrical Engineering,	MIMO based VLC link for smart city applications	Springer Singapore	2024	978-981-97-2838-1	https://doi.org/10.1007/978-981-97-2839-8_33
International	Computer Communications and informatics	Improved Riemann Sequence Based selective mapping	IEEE	2023	979-8-3503-4821-7	https://doi.org/10.1109/ICCCI56745.2023.10128397
International	Advances in Electrical, computing ,communication and sustainable technologies	Performance Analysis of an indoor Visible light communication system using optisystem software	IEEE	2023	978-1-6654-9400-7	https://doi.org/10.1109/ICAECT57570.2023.10117680
International	New Approaches in Engineering Research	Performance Evaluation of Nonlinear IM/DD Optical OFDM with new SLM scheme	Book Publisher International	2021	978-93-5547-063-8	https://stm.bookpi.org/NAER-V15/article/view/4029
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	2019	978-3-030-28364-3	https://doi.org/10.1007/978-3-030-28364-3_26
International	Advances in Electrical and Computer Technologies	A Power efficient GFDM system	Springer	2020	978-981-	https://doi.org/10.1007/978-981-

			Singapore		15-5558-9	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	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	2007	ISBN 10:0230-63383-8	-

(c) Books Authored

S . N o .	Title of the Book	ISBN No.	Publisher	Whether International / National	No. of Co-author s	Whether you are the main author	Year of Publication
1	Nonlinearity Mitigation Techniques in Multicarrier Systems	978-81-953268-8-4	Research Culture Society and Publications	International	None	Main Author	2021
2	Mobile communication	978-93-5625-200-4	Scientific international	International	02	Second author	2022
3	Digital Electronics	978-93-5625-170-0	Scientific international	International	03	Second author	2022
4	Satellite communication	978-93-5625-574-6	Scientific international	International	02	Second author	2023
5	Wireless communication technologies 5G, IoT and Beyond	789349-490253	AGPH publisher	International	02	Second author	2025
6	Rural Industrialization (Editor of book)	978-93-7837-068-7	Book River Publications	National	02	Third Editor	2026
7	Intelligent IoT ML-Driven Smart Systems	978-93-7196-168-4	Scientific international	International	03	3 rd Author	2026

Patents						
S.	Patent Title	Name of Applicant(s)	Patent No.	Award	Agency/C	Status
1	Massive IOT traffic flow forecasting using time-aware locality- sensitive hashing enabled by 6g	1)Dr.Bharat Bhushan Agarwal 2) Prof.(Dr) Pankaj Kumar Sharma 3)Dr K.P.Porkodi 4)Dr.V.Muruges 5)Prof. M. Sadhasivam 6)Mrs. Priti Sharma	202211023920	Published only	India	Published
2.	A robust and deep convolutional neural network approach to detect early stages of lungs cancer	1) Dr.Chhavi Sharma Dr. Inamul Hasan Madar 3)Muganda Munir Manini 4)Shanid Malayil 5)Geetanjali Sahu 6)Gita Sahu 7)Lalita Sandey 8)Vaibhav Sarjerao Gawade	202211024611	Published only	India	Published
3.	IOT with Artificial Intelligence Based Decentralized Authentication Modeling scheme in edge using blockchain techniques	1) Ms. Anu Yadav 2)Dr.S.Prakash 3)Mr.Gourav Purohit 4)Mr. Jagadeesh Dandu 5) Dr.Chhavi Sharma 6)Dr. S. Ravichandran 7)Mr. Y. M. Mahaboobjohn 8)Dr. Govinda Rajulu.G 9)Dr.Venkatesan .D 10)Dr. K. Venkata Nagendra 11)Mr.Raja Raju	202211022588	Published only	India	Published
4	Improving Generalized frequency Division multiplexing performance through Zoff chu precodind technique	1) Dr. Chhavi Sharma 2) Dr. Arvind Kumar 3) Prof. S.K.Tomar	202411003974	Published	India	Published
5.	Accident Prevention module with multiple alert system	1) Tanishka Jha 2) Suraj Kumar Ray 3) Pankaj Kumar 4) Dr. Chhavi Sharma	202411003978	Published	India	Published
6.	IOT and machine learning approaches for predicting soil moisture and efficiency of vermicomposting in various compositions of solid waste to improve agriculture yields	1) Dr. R. Thenmozi 2) E. Nithya 3) Dr. Chhavi Sharma 4) Dr. Mangla	202341081601	Published only	India	Published

7.	An IoT and Deep Learning-Driven System and Method for Energy Efficiency Management in Edge-Centric Computation within Next-Generation 6G Networks Utilizing Predictive Analytics and Cloud Computing	Dr. Chhavi Sharma	202411066427	Published only	India	Published
8.	IoT-Based Air Quality Monitoring System with Machine Learning Predictive Insights	Dr. Chhavi Sharma	444698-001	Published only	India	Published

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(e) Invited as Resource Lectures Person/Examiner/Expert

Resource person	Detail of Event	Title of Lecture	Date	Institution
As Keynote Speaker	Kashmiri Yuva Program	Environment Awareness Program	9-16 March 2026	Nehru Yuva Kendra , Bareilly
As keynote speaker	Combined Annual Training Camp of UP Girls Battalian NCC	Digital World and social media Awareness	29.08.2025	8 UP girls Battalion NCC Camp, Bareilly
Keynote speaker	7 th International Conference ABAI-2025	Empowering Gen Alpha & Beta: AI driven Educational System	07.03 .2025	Rajshree Institute Of Engineering & Management
Session Chair and Lecture	5th International Conference on Electrical Engineering and Information Technology (CEEIS 2025) held in Bali, Indonesia	Comparative Analysis of Nonlinearity in Asymmetrically Clipped OFDM VLC Systems Using a Precoding Scheme for Sustainable Connectivity Across Modulation Orders	1 .03.2025	Udiyana University Bali , Indonesia
Keynote speaker	World Engineering day	Engineering for A Healthy Planet- Celebrating the UNESCO Engineering Report	4.03.21	B.L Agro Private limited , Bareilly
Invited Lecture	Mission Shakti Program initiated by U.P government and NSS	Role of women in Technical Education	2.03.21	M.J.P.Rohilkhand University Bareilly
Keynote speaker	International Conferences	Recent advancements in the field of wireless	18.02.21	RIMT ,Bareilly

		communication		
Lecture Delivered	World Telecommunication Day	Role of ICT in 5G Scenario	17.05.20	Institution of Engineers Bareilly Local Chapter
Lecture Delivered	RIMDA-2K20	Research and innovation in Multidisciplinary Academics	18 TH -19 TH Dec 2020	Rajshree Institute of Engineering and Management
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/Session chair

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, organized 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
7. **Member of Technical Committee, IEEE IAS Global Conference on Renewable Energy and Hydrogen Technologies (GlobConHT)**, held on March **11-12, 2023** at The Maldives National University, Male City (Maldives)
8. **Joint organizing secretary** of National Conference on cyber security jointly organized by Institution of Engineers and M.J.P Rohilkhand University Bareilly on Date February 25-27 ,2023
9. **Member of National advisory committee** of 7TH International Conference on Empowering Gen Alpha & Beta: AI driven educational system (AB-AI 2025) held on 7-8 th March 2025 at RIMT Bareilly
10. **Coordinator** One day seminar on “Next generation AI applications in Electronics, Communication and Embedded systems in association with Electronics & Telecommunication Engineering Division, IEI Kolkata, held at department of ECE M.J.P. Rohilkhand University Bareilly on 11th March 2025
11. **Organizing Secretary** in one day national workshop on “Intellectual Property Rights: Implication on Innovation” held at 22nd March 2025 organized by IPR cell M.J.P. Rohilkhand University Bareilly .
12. **Chaired a session** in 5TH International Conference on Electrical Engineering and Information Technology (CEEIT 2025) held in Bali, Indonesia during 28TH Feb organized by Faculty of Mathematics and Natural Sciences, Udyana University, Indonesia.
13. **Chaired a session** in 7TH International Conference on Empowering Gen Alpha & Beta: AI driven educational system (AB-AI 2025) held on 7-8 th March 2025 at RIMT 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	Till now
Exam ACS	F.E.T M.J.P.R. University	2022	2024
Time Table	Department of EC, F.E.T	2021	July 2025

Incharge	M.J.P.R. University		
Cultural Coordinator	Department of EC, F.E.T M.J.P.R. University	2021	Till now
BOS Incharge	Department of EC, F.E.T M.J.P.R. University	2022	July 2025
Integrated M. Tech +Phd Program coordinator	Department of EC, F.E.T M.J.P.R. University	2023	Till now
Assistant Dean Student Welfare	M.J.P. Rohilkhand University	2023	Till now
Assistant Director	Directorate of Research, M.J.P. Rohilkhand University	2023	September 2024
Exam Co-Coordinator	Faculty of Engineering & Technology , M.J.P.R.U	2025	Till Now
Member Of ICC commitee	M.J.P. Rohilkhand University	2025	Till Now
Member Of IPR cell	M.J.P. Rohilkhand University	2023	Till Now
Member of Exam Committee	M.J.P. Rohilkhand University	2026	Till Now

(h) Seminar/Conference Presentations/Participation

- ❖ Presented a paper titled “Integrating Optical wireless communication in modern network: An Empirical study on applications and Challenges” in international conference on Empowering Gen Alpha & Beta: AI driven educational systems (ABAI -2025) On March 7-8 2025 organized by Rajshree Institute of Management & Technology, Bareilly (U.P).
- ❖ Presented a paper titled “Accident Prevention module with facial expression recognition and multiple alert system” in international conference on Empowering Gen Alpha & Beta: AI driven educational systems (ABAI -2025) On March 7-8 2025 organized by Rajshree Institute of Management & Technology, Bareilly (U.P).
- ❖ Presented a paper titled “ A Comprehensive review of AI based Visible Light Communication” in international conference on Empowering Gen Alpha & Beta: AI driven educational systems (ABAI -2025) On March 7-8 2025 organized by Rajshree Institute of Management & Technology, Bareilly (U.P).
- ❖ Presented a paper on the topic “Comparative Analysis of Nonlinearity in Asymmetrically Clipped OFDM VLC Systems Using a Precoding Scheme for Sustainable Connectivity Across Modulation Orders” at **Indonesia Bali** during 28 Feb -2nd March 2025.
- ❖ Anamika, Pankaj Sharma, **Chhavi Sharma** “Review on module level direct coupling in PV-Battery power unit under realistic Irradiance and load presented at “International conference on artificial intelligence: challenges,opportunities and its impact on society (ICAI-2024) organized by Rajshree Institute of management & technology & Lumbini Technological university , Nepal on 26-27 April 2024.
- ❖ **Chhavi Sharma**, Pankaj Sharma, ”MIMO based under water communication: A Review” International Conference on communication and electronic Engineering (ICOC EE) held on 28 December 2023 at **Singapore**.
- ❖ **Chhavi Sharma** “MIMO Based VLC link for smart city applications” is presented in Springer International Conference on recent innovations in computing (ICRIC-2023) held on October 26-27 2023 at Central university of Jammu .
- ❖ **Chhavi Sharma**, Pankaj Sharma “Improved Riemann sequence based Selective Mapping (IRSLM) Technique for OFDM system” is presented in IEEE Sponsored International conference on computer communication and informatics (ICCCI 2023) held at Sri Shakthi Institute of Engineering and Technology, Coimbatore on 23-25 Jan 2023
- ❖ Shivam, **Chhavi Sharma**, Sumit , Reshav, “Performance Analysis of an Indoor Visible Light Communication System Using Optisystem Software” is presented in IEEE Sponsored Third International Conference on Advances in Electrical, Computing, Communications and Sustainable Technologies (ICAECT 2023) held at the Department of Electrical and Electronics Engineering, Shri Shankaracharya Technical Campus (SSTC), Bhilai, Chhattisgarh, India during 05-06, January 2023.
- ❖ **Chhavi Sharma**, Shivam, Pankaj Sharma “ Energy Harvesting : A Step towards green energy” is presented in national conference on Strategies for management of Bioresources (NCSMB-2023) sponsored by Directorate of Education , Uttar Pradesh organized by Department of Animal Science , M.J.P. Rohilkhand University Bareilly On March 26-27 ,2023
- ❖ **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.
❖ Chhavi Sharma , Arvind Kumar , S.K.Tomar “ <i>GFDm: A new waveform candidate for 5G</i> ” All India seminar on Electronics Design,Technologies & Applications(EDTA-2K18) under the aegis of Institution of Engineers (India) organized by MIT Moradabad on 20-21 April 2018.
❖ Chhavi Sharma , Dushyant Kumar Singh, Anjula singh & Ajay Kumar, “Overview of 5G Technologies and Beyond” International Conference (ICAREMIT) on 21-23 TH Feb. 2015.
❖ 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
❖ Chhavi Sharma , Praveen Kumar, S.K.Tomar “Green Technology” National Conference on Advances in Electronics and Communication Engineering(AECE-14) 27-28 TH March 2014, organized by Electronics and Communication Department,M.J.P.Rohilkhand University Bareilly
❖ 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.
❖ 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.
❖ 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 Bareilly17 TH Feb 2012 .
❖ Chhavi Sharma , Nilima Singh “Role of Technology for Higher Education in india” National Conference on Scientific and Technological Approach in Higher Education, 2012, Rampur.
❖ 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, Dhule,-India, January 13-15,2011
❖ 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
❖ 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) Workshop / FDP Attended			
Title	Place / Institution	Duration	Dates
One Week Online Refresher Program On Innovations in Management	M.J.P. Rohilkhand University, Bareilly	One week	16 th Feb 2021 - 22 nd Feb 2021
Faculty Development Programme on Technological Tools and Their Management in Online Teaching	M.J.P. Rohilkhand University, Bareilly	One week	14 Aug. -21 August ,2020
FDP on Wireless Communication Technologies for IoT	E&ICT Academy, Indian Institute of Technology (IIT) Guwahati,	Two weeks	27 July to 07 August, 2020
FDP on Virtual Labs	IIT Roorkee &M.J.P.Rohilkhand University	One week	8 th June – 17 th June
FDP on Wireless communication – Future IOT”	AICTE sponsored	One week	20-25 July 2020
One Week FDP on Recent advances in Wireless communication and future	sponsored by AICTE organized by Vardhman	One	13-18 July 2020

challenges	College of Engineering and Technology , Hyderabad	week	
Two weeks online FDP on “Python”	Organized by JSS Noida & IIT Bombay under spoken tutorial project.	Two weeks	22 June -4 July
FDP on “ Python Programming”	Organized by RD Engineering College in Association with IIT Bombay (ONLINE)	One week	29 June – 3 July 2020
FDP on Block Chain	ATAL Academy	One week	2 nd Nov-6 th Nov 2020
Recent Advancement in communication & wireless networks	NIT Kurukshetra	One week	10 th -15 th Feb 2020
UGC approved Short term Professional development programme on “Implementation of NEP2020 for University and college teachers” and obtained 80% with A grade .	NEW Delhi	One week	09-17 September 2022
Short term course on 2D graphics for scientific reporting “ 2DGCR”	Sant Longowal Institute of Engineering and Technology Sangrur (Punjab)	One week	July 25-29 2022
Short term course attended on the topic “ Statistical Modelling and Analysis of Advanced wireless Communication Systems	IIT Indore	One week	17/03/22 to 23/03/2022
5 days online training program on “ Cyber attacks and defence	C-DAC Noida	5 days	18 th Sep-22 Sep 2023
Noma Technology	IIT Indore	One day	10- August 2024
FDP on Nurturing Leadership Program	IIM Jammu	One week	23.03.2025 – 28.03.2025
FDP on AI-Driven signal processing & VLSI for wireless communication	NIT Delhi	One week	21.04.2025 to 26.04.25
Workshop on Bridging Digital Divide: Multiple Access Techniques for Aerospace Integrated Networks	IIIT Delhi	2 days	28-29 March 2025
Workshop on Intellectual Property Rights	Sahu Ramswaroop Mahavidyalaya , Bareilly	One day	12.04.2025

(j) Memberships of Academic/Professional Bodies

- Member **IEEE**
- Member of **IEEE- Women in Engineering**
- Life member of **Indian Science congress**
- 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**

(k) Awards and recognitions

Name of the Award	Name of the Awarding Body	Whether International/National Level Fellowship Award	Year

Dr. Sarvepalli Radhakrishnan Best Faculty Award	Center for Professional Advancement continuous Education	National	2021
Global Teachers award 2021	AKS Education awards	International	2021
Venus International Science and Technology Awards	Venus International Foundation	International	2021
Indo Asian education excellence award 2022	Ratna Prasad Multidisciplinary Research and Educational Society	International	2022
Dr. Sarvepalli Radhakrishnan Outstanding Academician Award 2024 in Electronics & Communication Engineering.	IMRF institute of higher education and research	National	2024
Women in Engineering Excellence Award	The Institution of Engineers	National	2025
International Outstanding Educator award	International Council for Professional Studies & Cultural Exchange	International	2025

(I) 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 Omniscient Peer Reviewed journal .**
- **Paper Reviewer in Springer International Conference on recent innovations in computing (ICRIC-2023)** volume 2 held on December **21-22, 2023** at central University of Jammu. .
- **Paper Reviewer in IEEE IAS Global Conference** on Renewable Energy and Hydrogen Technologies (GlobConHT), held on March **11-12, 2023** at The Maldives National University, Male City (Maldives)
- **Paper Reviewer in 4th IEEE International Conference** on Computing, Power, and Communication Technologies (GUCON). September **24-26, 2021**
- **Reviewer and Member of Technical Committee, 5TH IEEE International Conference** on Computing, Power and Communication Technologies (IEEE IAS GUCON) 2022
- **Member of Technical Committee, 4th IEEE International Conference** on Computing, Power, and Communication Technologies (GUCON). September **24-26, 2021**
- **Paper Reviewer** in ICACCA 2017 , **IEEE conference** , held at Dehradun, Uttarakhand
- **Paper Reviewer** in ICACCA 2019, **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.
- **Started the Departmental activity club** in the Department of EC, FET M.J.P. Rohilkhand University, and Bareilly in 2015.
- **Faculty Coordinator of ELCOM BITS student club of EC Department .**
- **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, 20-21 & 21-22
- **Edited** the conference proceedings of National Conference on “Advances in Electronics and Communication Engineering (AECE-14)”, 2014.
- **Editor of American Journal of Science**
- **Article published titled** “Optical wireless communication and internet of things : Future prospects and challenges” in “Shristi” The Souvenir of Institution of Engineers Bareilly local Center on 15TH September 2022, page 35
- **Article Published titled** **“Social Engineering : Exploiting Human Psychology to Compromise security”** in National Conference on cyber security jointly organized by Institution of Engineers and M.J.P Rohilkhand

University Bareilly on Date February 25-27 ,2023 ➤ Organizing secretary of one day seminar on the topic “Next-Generation AI Applications in Electronics, Communication, and Embedded Systems” in the Department of Electronics & Communication Engineering, M.J.P.R University, Bareilly, in collaboration with The Institution of Engineers (India), Bareilly Local Centre, under the aegis of Electronics and Telecommunication Engineering Division, IEI Kolkata on 11th March 2025. ➤ Chaired a session in “International conference on Empowering Gen Alpha & Beta: AI driven educational systems (ABAI -2025) On March 7-8, 2025, organized by Rajshree Institute of Management & Technology, Bareilly (U.P). ➤ Received an appreciation certificate from Bal Gandharva Kala academy, Mumbai for giving valuable contribution in National Balgandharva Kala Mahotsava 2024 held on 21st -24th December 2024 ➤ Received Certificate of Excellence on Teachers Day 2024 by Bharat Vikas Parishad North Region Rohilkhand Prant . ➤ Member of Editorial Board of “ DEEP SCIENCE PUBLISHING” ➤ Selected for NFLP leadership Programme and represented M.J.P.RU at IIM Jammu in Nurturing Future Leadership Program training held during 24th to 28th March 2025 at IIM Jammu. ➤ One Appreciation is Received from Nehru Yuva Kendra Yuva and Khel Mantralaya Government of India in 2026.
(J) International Visits: International Travel to Indonesia, Bali ➤ Chaired a Session in 2025 in 5th International Conference on Electrical Engineering and Information Technology (CEEIT 2025) held in Bali, Indonesia during February 28-March 2, 2025, which is co-organized by the Faculty of Mathematics and Natural Sciences, Udayana University, Indonesia.
(K) Projects: Titled "<i>Bridging the Connectivity Gap with MIMO VLC Technology</i>", funded by UP government Higher Education

Dr. Chhavi Sharma