Faculty Profile on University Website

www.mjpru.ac.in

Title	Dr.	Hari	Kumar	Singh		Photograph
Designation		Associate Professor				
Department		Electronics and Communication Engineering				
Address	Campus	E.C.E. Department F.E.T. MJPRU, Bareilly-243006				
	Residence	21-B, Panchsheel Nagar, University Road, Bareilly, U.P.				
Mobile No.		+91-9410860110				
Email ID		Personal	harsdik@gmail.com			
		University Domain	hari.singh@mjpru.ac.in			
Professional Networking ID, i.e. Linkedin, Twitter		https://www.linkedin.com/in/dr-hari-kumar-singh-341362258/ https://twitter.com/DrHKSingh1978				

Educational Qualifications (Graduation Onwards)

Course/Degree	Institution	Year	Details/Thesis Topic/Subjects
B. Tech	FET, MJP Rohilkhand University, Bareilly	2000	Electronics and Communication Engineering
M.Tech	NIT, Kurukshetra (HR)	2002	Electronics and Communication Engineering
PhD	IFTM University, Moradabad	2017	Digital Image Processing and Artificial Intelligence.

Career Profile

Organization / Institution	Designation	Duration	Nature of Duties
Shri Krishna Institute of Engineering and Technology, Kurukshetra (HR)	Lecturer	23/07/2001 to 30/06 2003	Teaching
Electronics and Communication Engineering F.E.T, M.J.P.R.U, Bareilly	Guest Faculty	16/07/2003 to 14/06/2005	Teaching
Electronics and Communication Engineering Radha Govind Engineering College, Meerut (UP)	Sr. Lecturer	19/07/2005 to 26/06/2006	Teaching
Electronics and Communication Engineering. College of Engineering and Rural Technology, Meerut (UP)	Assistant Professor	01/08/2006 to 21/08/2008	Teaching
Electronics and Communication F.E.T, M.J.P.R.U, Bareilly	Assistant Professor	28/08/2008 to 27/08/2021	Teaching
Electronics and Communication F.E.T, M.J.P.R.U, Bareilly	Associate Professor	28/08/2021 to Till Date	Teaching

Research Interests / Specialization

Digital Image Processing, Remote Sensing, Artificial Intelligence, Machine Learning, Deep Learning, Wireless Sensor Network, Blockchain Technology and Medical Imaging.

Research Experience in Years -15 Years

No of Research Scholars Guided/Guiding – 04 (Research Scholar)

Name of Programme	Awarded	Under Supervision/Institution
Ph.D.	2017	Prof. S.K.Tomar , IFTM University, Moradabad U.P
Dissertation (M.Tech.)	2002	Prof. R.K.Sharma , NIT Kurukshetra, Haryana

Researcher/ Expert ID	Scopus	Orchid	Publons	Vidwan	Google Scholar
	57210139659	0000-0001-7025-3482	AAZ-5278-2021	231586	2tEJg6oAAAAJ

Teaching Experience (Subjects/Courses Taught)

25 Years of Teaching Experience Undergraduate
04 Years of Teaching Experience Postgraduate

Digital Image Processing, Digital System Design, Micro Electronics, Digital Electronics, Remote Sensing Mobile Communication, and Artificial Neural Network.

Honours / Awards & Fellowship FOR OUTSTANDING WORK

Name of Award/ Fellowship	Awarded By		
	Name of Govt. Agency	Name of Government Supported Organization/ Department	Name of International Recognized Body
Research Excellence Award 2024 in Biomedical Engineering	-	Center for Professional Advancement, A Unit of IMRF Regd. with Govt. of India NITI Aayog NGO Darpan (ESTD: U/S 35 of 2001, Govt. of A.P, India) Head Quarter-Vijayawada, India	Govt. of India NITI Aayog New Delhi
Research Excellence Award- 2022	-	Institute of Scholars (InSc) International Publisher, 2nd Cross, 7th Block, Sir M V Layout, Muddhinapalya, Bengaluru, Karnataka, India.	Institute of Scholars (InSc) International Publisher, India
Indo Asian-Best Scientist Award 2021	-	IMRF Institute of Higher Education and Research Campus, Vijayawada, India	International Multidisciplinary Research Foundation, Institute of Higher Education and Research, India

Publications /Academic Activities (Numbers Only)

Books & Monographs (Single Author)	02	Research Papers Published in International Journals	30	Papers Presented in Seminars/ Conferences	20	Seminars/ Conferences Organized	07	Research Projects (Completed)	03
Books (Co- authored)	07	Research Papers Published in Other Journals	15	Seminar/ Conferences Attended	25	Workshops Organized	05	Research Projects (On-going)	02
Books (Edited)	09	Articles Published in Websites, Newspapers, Magazines etc.	10	Sessions Chaired in Seminars/ Conferences	07	Membership of Academic/ Professional Bodies	08	Research Projects (Submitted)	03
Chapters in Edited Books	05	Lectures Delivered	05	Resource Lectures Delivered	05	Patents Published /Granted	31	Countries Visited for Academic Assignments	01

PAPERS PUBLISHED IN SCI JOURNALS IN LAST 5 YEAR

Sr. No.	Author(s)	Title	Name of Journal	Volume	Page	Year
1	Motilal Rinawa, Prashant Chauhan, Sintu Kumar, Manoj Kumar Singh, Hari Kumar Singh, Amit Sharma and R. P. Sharma	Field Localizationand Density Cavitation in Low-Beta Plasmas	Hindawi, Laser and Particle Beams, Article ID 2891080,	Vol-2021	9	2021
2	Kumar Sujit, Dave Vikramaditya, K. Vetri Velmurugan, Yakkala Bhaskarrao, Rupali Singh, Bhasker Pant, Amit Kumar Sharma	Analysis of Structural, optical and aquaphobic properties of zirconium oxide Neno-films by varying sputtering gas	Hindawi, Advances in Materials Science and Engineering, Article ID 9968485, 7Pages,	Vol-2022	7	2022
3	Amarjeet Poonia, Virendra Kumar Sharma, Hari Kumar Singh & Saurabh Maheshwari	Heuristically optimized weighted feature fusion with adaptive cascaded deep network: a novel breast cancer detection framework using mammogram images	Journal of Computer Methods in Biomechanics and Biomedical Engineering Imaging and Visualization, Vol-11 Issue22	Vol-11 Issue-22	22	2023
4	Akriti Garg, Hari Kumar Singh, Shivani Yadav, Mohd Mustafa Khan, Manoj Kumar Singh	Optimizing Site-Specific Fertilization for Spinach: A Comparative Analysis of Machine Learning Regressors on STCR Data	Journal of Plant Nutrition (Submission ID: 268038084)	Communicated April, 2026		
5	Shivam Gangwar Krishna Pandey; Hari Kumar Singh; Ajeet Ram Pathak; Ajeet Kumar Srivastava	Grey Wolf Optimized 9IEC-Based Adaptive Histogram Modification for Retinal Fundus Image Enhancement	Arabian Journal for Science and Engineering (AJSE)	Communicated May, 2026		
6	Brajesh Kumar, Preeti Singh, Hari Kumar Singh	Integrating Satellite-Derived and Nutrition Indicators with Machine Learning for District-Level Wheat Yield Prediction in Uttar Pradesh, India	Artificial Intelligence in Agriculture	Communicated May, 2026		

PAPERS PUBLISHED IN OTHER THAN SCI JOURNALS IN LAST 5 YEAR

Sr. No	Title of the Paper	Journal Name, Volume, Page Nos	ISSN No.	Indexing	Impact factor	Year
1	Remote Sensing Satellite Data Analysis applied to precision Agriculture Modeling	Test Engineering and Management January-February 2020 PP5727 - 15742	0193-4120	Scopus	0.43	2020
2	Application of Remote Sensing and image Processing for Efficient Urban Planning in India	Test Engineering and Management January-February 2020 Pp 5320 - 15329	0193-4120	Scopus	0.43	2020
3	Next Generation Antenna: Large scale antenna for Mobile Communication	Turkish Journal of Computer and Mathematics education Volume11 No2 816-828	1309-4653	Scopus	0.33	2020
4	Comparative Study of Enhancement Techniques on Different Types of Images.	Efflatonia- multidisciplinary Journal Pages: 2390 – 2402 Volume: 5 Issue 2	1110 - 8703	Web of Science	3.8	2021
5	Smart Farming Technologies in Agriculture in India	International Journal of Modern Agriculture, Volume 10, No.2, 2021 PP4795 - 4803	2305-7246	Web of Science	0.12	2021
6	Identification and Prioritization of Properties for Composite Materials Usage in Automobiles: An Analytical Hierarchical Process Approach	Design Engineering Vol 2021 Issue 7 | Pages: 12751 - 12764	0011-9342	Scopus	1.41	2021

7	Compact CP Monopole Antenna with asymmetrical Modified Ground Plane for Wideband Characteristics	Design Engineering Vol 2021 Issue 7 | Pages 14133-14144	0011-9342	Scopus	1.41	2021
8	Study and Design Noise Cancellation System using Anti-Noise Technique	Vidya Bharti International Interdisciplinary Research Journal	2319-4979	Web of Science	1.469	2021
9	Artificial Neural Network based Advanced Algorithm for new Generation Solar PV Systems	Journal of Nuclear Energy and Power Generation Technology	2325 9809	Scopus	0.54	2021
10	A smart Grid Energy Management Optimization Technique.	Journal of Nuclear Energy and Power Generation Technology	2325 9809	Scopus	0.54	2021
11	Radio Frequency Based Automatic Efficient Cooler, AC And Blower Control System	Journal of Webology, Vol 18 Issue 6 Pages: 7604 -7611,	1735-188X	Scopus	1.65	2021
12	Transparent Solar Cells: A Powerful and Affordable Source of Energy	International Journal of Mechanical Engineering, Vol. 6 No. 2 (Special Issue, Nov-Dec,)	0974-5823	Scopus	1.53	2021
13	A Comprehensive Review on Vivaldi Antenna Used in Electronic Warfare Applications	International Journal of Research and Analytical Reviews (IJRAR), Dec- 2021, Volume 8, Issue 4 PP 323-327	2348-1269	UGC Care	-	2021
14	Prospect and Consequences of Machine Learning to Wireless Sensor Networks A Systematic Review.	Neuro-Quantology Volume-20, No- 15 PP 5085-5094, Article Page-50	1303-5150	Scopus	0.29	2022
15	Numerical Investigation of Modified Fin Shapes for the Improved Heat Transfer, in Materials.	Today: Proceedings Volume 62, Part 4, 2022, Pages 1854-1860,	1369-7021	Scopus	3.3	2022
16	Improving the yield of a solar still with the aid of an evacuated tube.	IOP Publishing Journal of Physics: Conference Series	1757-899X	Scopus	3.0	2022
17	Characterization of ZnO/nanofluid for Improving Heat Transfer in Thermal Systems.	Journal of Materials Today: Proceedings Volume 62, Part 4, 2022,Pages 1904-1908	1369-7021	Scopus	3.3	2022
18	An investigation on synthesis, aggregation, and mechanical properties of Al 6082 nanocomposites reinforced by Titanium Carbide.	Journal of Materials Today: Proceedings Volume 59, Part 2, 2022,Pages 1526-1532,	1369-7021	Scopus	3.3	2022
19	Water Absorption Studies of Pineapple Leaf Fiber/Nano Rice Husk Powder Reinforced Epoxy Matrix Hybrid Composites.	Journal of Materials Today: Proceedings, Volume 59, Part 2, 2022, Pages 1498-1502, ISSN: 1369-7021,	1369-7021	Scopus	3.3	2022
20	Wireless Sensor Networks: Issues, Algorithms and Applications.	Design Engineering, Vol:1, Page No.: 2259- 2267	0011-9342	Scopus	1.41	2022
21	To analysis of Centralized LEACH protocol to improve the latency in the wireless sensor network.	Journal of Electronics Information Technology Science and Management Volume 12, Issue 9, Page No: 117-122	0258-7982	UGC Care	-	2022
22	Improving Wireless Communication Robustness: Modified M- estimator II for Efficient Channel Estimation in Fading Channels.	NeuroQuantology October 2022 | VOLUME 20 | ISSUE 12|PAGE 4476-4486|	1303-5150	Scopus	0.29	2022
23	Insights into MIMO-OFDM Channel Modeling and Estimation Techniques for Enhanced 5GWireless Communication Systems: A Review Channels.	NeuroQuantology| October2022 | VOLUME 20 | ISSUE 12|PAGE 4434-4467|	1303-5150	Scopus	0.29	2022
24	Innovative Channel Estimation Method for Rayleigh, Rician, and Nakagami Channels: The Modified M-estimator-I,	NATURALISTA CAMPANO Volume 28, No.1	1827-7160	Web of Science	0.16	2024

25	Design and Optimization of Coplanar Waveguide- Fed Sensing Antennas for ISM Band Applications	WASET International Journal of Electronics and Communication Engineering Vol:18, No:2, 2024	2010-376X	UGC Care	-	2024
26	A Survey on Biomedical Antenna Technologies for Wireless Healthcare Systems	Journal of Multi-Disciplinary Engineering Technologies ISSN: 2581-9372, Volume 18, Issue 02, June, 2025	2581-9372	UGC Care	-	2025
27	Nanomaterial-Based Sensors for Milk Adulteration Detection: Advances and Challenges	International Journal of Applied Mathematics Volume 38 No. 1, 2025	1314-8060	Scopus	1.5	2025
28	Crop Health Assessment using Image Analytics, Machine Learning, And IOT Technologies: A Review for Sustainable Farming	International Journal of Applied Mathematics Volume 38 No. 9s (2025)	1314-8060	Scopus	1.5	2025

PATENTS GRANTED/ FILED IN LAST FIVE YEARS

Sr. No	Application No	Name of the Patent awarded	Year of Filed	Year of award	Status
1	202311082991	Deep Learning based mental health analysis support system	05-12-2023	12-01-2024	National
2	202221066497	The CNN Approach for The Lung Cancer Detection in Image Processing	19-11-2022	25-11-2022	National
3	202211000067	An IOT and machine learning bases method of communicating a digital message with an information signal	02-01-2022	22-04-2022	National
4	202211014664	Artificial intelligence in the prediction of bitcoin fluctuations	17-03-2022	01-04-2022	National
5	202231034464	A System & Method for defect recognition in additive manufacturing using image processing based on IoT & AI	16-06-2022	29-07-2022	National
6	202221037177	A smart school security system that utilizes GSM and microcontrollers and is powered by the internet of things (IOT)	29-06-2022	15-07-2022	National
7	202241050360	A system and method for secure remote communication using WSN based on blockchain technology	02-09-2022	16-09-2022	National
8	202121037944	Machine Learning and IOT Based System for incorrect Posture Detection	21-08-2021	12-11-2021	National
9	202411035979	Analysis of dead tissues in medical images using edge detection techniques	07-05-2024	30-08-2024	National
10	202411055484	An approach towards skin-based signal transmission Technology	20-07-2024	16-08-2024	National
11	202411055488	Agriculture land estimation from satellite images using hybrid intelligence	20-07-2024	16-08-2024	National
12	202411034960	Design and analysis of collaborative robots (Cobots) to investigate their role in industrial applications and safety	02-05-2024	05-07-2024	National
13	202411034972	Role of machine learning and artificial intelligence techniques to enable robots to learn and adapt to dynamic environments	02-05-2024	30-08-2024	National
14	202411034975	Integrating renewable energy sources into mechanical systems and focusing on efficiency and reliability in renewable energy environments	02-05-2024	30-08-2024	National
15	202411034970	Analysis of research algorithms and systems for autonomous navigation and decision-making in robotic applications for the medical industry	02-05-2024	05-07-2024	National
16	442781-001 Design Patent	IOT based remote patient monitoring system	CBR No. 200079	02-01-2025	National
17	442779-001 Design Patent	AI based soil moisture level indicator	CBR No. 200077	02-01-2025	National
18	442861-001 Design Patent	Voice assisted learning device for visually impaired students	CBR No. 200125	02-01-2025	National

19	443152-001 Design Patent	Artificial intelligence-based device for early detection of cardiovascular diseases	CBR No. 200266	05-01-2025	National
20	442871-001 Design Patent	AI based skin cancer detection device	CBR No. 200135	03-01-2025	National
21	443257-001 Design Patent	IOT based indoor air purification device	CBR No. 200346	06-01-2025	National
22	442982-001 Design Patent	Smart water boiling device with alert mechanism	CBR No. 200207	04-01-2025	National
23	443369-001 Design Patent	AI based chemical mixing device for agriculture farm	CBR No. 200416	07-01-2025	National
24	444286-001 Design Patent	Portable device for measuring glucose level through saliva	CBR No. 201032	15-01-2025	National
25	443911-001 Design Patent	Medical device for measuring bodily fluid in neonates	CBR No. 200782	11-01-2025	National
26	443536-001 Design Patent	Automated prescription drug dispensing device	CBR No. 200531	08-01-2025	National
27	443904-001 Design Patent	Solar-powered electric vehicle charging station	CBR No. 200776	11-01-2025	National
28	6285563 Design Patent	IoT Based Solar Powered Agriculture Robot	Reg 26/05/2023	Grant 05/06/2023	Inter national
29	6289556 Design Patent	Machine Learning based robot for determining Crop Yield	Reg 13/06/2023	Grant 20/06/2023	Inter national
30	6302771 Design Patent	Radiography Device for Medical Treatments	Reg 10/08/2023	Grant 21/08/2023	Inter national
31	6327687 Design Patent	Handheld X-Ray Imaging Apparatus	Reg 22/11/2023	Grant 28/11/2023	Inter national

BOOKS/CHAPTERS IN LAST 5 YEAR

Sr. No	Title	Author's Name	Publisher	Year
TEXTBOOKS				
1	Differential Amplifiers and Linear Integrated Circuits	Hari Kumar Singh	Walnut Publication International Publisher	2021
2	Smart Agriculture Modelling	Hari Kumar Singh	Walnut Publication International Publisher	2021
3	IoT in Multidimensional Approach	Hari Kumar Singh and Others	INSC International Publisher International Publisher	2021
4	Convolution Neural Network for Beginners	Hari Kumar Singh and Others	Scientific International Publishing House ISBN: 978-93-5757-229-3	2023
5	Solar Energy Advancement and Application	Hari Kumar Singh and Others	Scientific International Publishing House ISBN: 978-93-5757-421-1	2023
6	Fundamental of Electronic Circuits	Hari Kumar Singh and Others	Phoenix International Publishing House 978-93-5842-966-4	2023
7	Artificial Intelligence	Hari Kumar Singh and Others	JEC Publication, India 978-93-5850-541-2	2023
8	Fundamentals of Digital Electronics	Hari Kumar Singh and Others	JEC Publication, India 978-93-5850-983-0	2023
9	Electrical Engineering	Hari Kumar Singh and Others	JEC Publication, India 978-93-5850-514-6	2023
BOOK CHAPTERS				
1	Wireless Body Area Network Antenna	Hari Kumar Singh and Others	Scrivener Publishing and John Wiley & Sons, Inc USA	2022
2	MIMO Antenna for IoT and ISM Band Applications	Hari Kumar Singh and Others	CRC Press, Taylor and Francis USA	2022
3	Compact 8-Port MIMO Antenna for C-Band and 5G Applications	Hari Kumar Singh and Others	IIP Proceedings, Volume 2, Book 19, India and Unit of Selfypage, Novi, Michigan USA	2022
4	Analysisof Atmospheric Parameters Using Remote Sensing and ArcGIS	Hari Kumar Singh and Others	IIP Proceedings, Volume 2, Book 19, India and Unit of Selfypage, Novi, Michigan USA	2022

5	Integrated Circuits Fabrication Techniques For C-MOS, N- MOS and BJT	Hari Kumar Singh and Others	IIP Proceedings, Volume 2, Book 19, India and Unit of Selfypage, Novi, Michigan USA	2022
6	MIMO Antenna for IoT and ISM Band Applications	Hari Kumar Singh and Others	Wireless Communication System in Healthcare Informatics, CRC Press, Taylor and Francis USA	2023
7	Review Paper on Essentials for Budding Professionals	Hari Kumar Singh and Others	Entrepreneurship Development: The Road to Five Trillion Economy, Sohem Publications, Bareilly	2024

EDITED BOOKS

Sr. No.	Title of the Book	ISBN No.	Publisher	Whether International / National	Year
1	Futuristic Trends in Artificial Intelligence	978-93-625254-1-3	Iterative International Publisher	International	2024
2	Futuristic Trends in Network and Communication Technologies	978-81-959356-1-1	Iterative International Publisher	International	2022
3	Academic Research in Engineering Management and Information Technology-2020	978-81-933433 -9-5	Anukrati Prakashan	National	2020
4	Academic Research in Engineering Management and Information Technology-2019	978-81-933433-5-7	Anukrati Prakashan	National	2019

DETAILS OF RESEARCH PROJECTS IN LAST 5 YEAR

Sr. No.	Name of the project and Reference No	PI/ Co-Pi	Funding Agency/Division	Cost (INR) Duration	Status
1	Collaborative Research Project with Mentor Institute, BMS Bangalore	PI	TEQIP-III (MHRD) NPIU, New Delhi	4.00 Lakhs (2-Year)	Completed
2	Segmentation of Blood Vessels from Retinal Images using Different Image Processing Algorithms **Project ID-528**	PI	CST UP Engineering Student's Project Grant Scheme	0.20 Lakh (1-Year)	Completed
3	Antenna-Based Tumor Detection: Innovations, Implications, and Recommendations **Project ID-878**	PI	CST UP Engineering Student's Project Grant Scheme	0.20 Lakh (1-Year)	Completed
4	Monitoring of Sustainable Agriculture of Small Farms Wielding Image Processing Integrating with Sensor Antenna and Machine Learning for Improving Socio Economic Status of Farmers. **SUR/2022/000940**	PI	Science and Engg. Research Board, New Delhi	29.96 Lakhs (3-Year)	Ongoing
5	Empowering India's Villages: Bridging the Connectivity Gap with MIMO VLC Technology	Co-PI	U P Govt, Lucknow	1.77Lakhs (2-Year)	Ongoing

DEVELOPMENT OF E-LEARNING DELIVERY PROCESS/MATERIAL

Sr. No.	Title of module developed	Complete course or module or paper or e-book	Editor or Developer	Developed for	Year
1	Mobile Communication	Complete course	Developer	B. Tech Students	2021
2	Digital Image Processing	Complete course	Developer	B. Tech Students	2021

RESEARCH SCHOLARS

Sr. No	Degree awarded (Number of students)	Thesis submitted (Nos.)	Supervisor / Co-Supervisor	Year
1	**Vivek Kumar** (Pursuing Ph.D. from IFTM University, Moradabad)	No	Co-Supervisor	2020
2	**Mr Ravindra Pratap Singh** (Pursuing Ph.D.from SHRI VENKATESHWARA University, Gajraula, Amroha, U.P)	Yes Degree Awarded	Co-Supervisor	2020

3	**Amarjeet Poonia** (Pursuing Ph.D from Bhagwant University, Rajasthan)	Yes Degree Awarded	Supervisor	2021
4	**Preeti Singh** (Pursuing Ph.D from M.J.P Rohilkhand University, Bareilly) RMS ID-22PHD0774	No	Supervisor	2022
5	**Prakhar Hari** (Pursuing Ph.D from M.J.P Rohilkhand University, Bareilly) RMS ID-3PHD0654	No	Supervisor	2024
6	**Rajeev Kumar** (Pursuing Ph.D from M.J.P Rohilkhand University, Bareilly) RMS ID- 23PHD0655	No	Supervisor	2024

CONFERENCES/ INVITED TALKS

Sr. No.	Title of the Paper presented / Invited Lecture	Whether Int.(abroad) or Inter. (in country) or National	Title of Conference / Seminar	Organized by	Year
1	Viksit Bharat -2047: A pathway to a developed country.	International with in India	International Conference on Recent Innovation in Science Technology and Humanities (RISTH-24)	R D Engineering College, Ghaziabad. Uttar Pradesh	2024
2	Comparative study of image compression using DCT, SVD and DWT techniques.	International (With in Country)	ICAREMIT-2020	MJP Rohilkhand University	2020
3	Remote Sensing Satellite Data Analysis applied to precision Agriculture Modeling	International (With in Country)	ICEES-2020	UNSIET Deokali U.P.	2020
4	Application of Remote Sensing and image Processing for Efficient Urban Planning in India	International (With in Country)	ICEES-2020	UNSIET Deokali U.P.	2020
5	WSN-IoT Clustering for Secure Data Transmission in E-Health Sector using Green Computing Strategy	International Indonesia	International Conference on Cyber and IT Service Management (CITSM) Bengkulu, Indonesia	Syarif Hidayatullah State Islamic University (UIN) Jakarta	2021
6	Intelligent Controlled Electronic Speech Supporting Device for Dumbed Pharmacy Sales Person	International Indonesia	International Conference on Cyber and IT Service Management (CITSM) Bengkulu, Indonesia	Syarif Hidayatullah State Islamic University (UIN) Jakarta	2021
7	Comparative study of various image processing Techniques.	International with in India	Futuristic Advancements in Material, Manufacturing and Thermal Sciences (ICFAMMT-2022)	IITRAM, Ahmedabad, Gujarat	2022
8	Velocity of Sound using Sonic Waves.	International with in India	Futuristic Advancements in Material, Manufacturing and Thermal Sciences (ICFAMMT-2022)	IITRAM, Ahmedabad, Gujarat	2022
9	Social Engineering: Exploiting Human Psychology to compromise security	National Conference	Nation Conference of Cyber Security and Privacy	MJP Rohilkhand University Bareilly	2023
10	Study on the Routing Technology of Wireless Sensor Network Based on Efficient Energy Consumption.	International with in India	Emerging Trends in STEM & Health Agri Sciences for Sustainable Development"	MIET Kumaon, Uttarakhand	2024

11	Antenna Design for Ambient Backscatter Communication with Harvested Energy.	International with in India	Emerging Trends in STEM & Health Agri Sciences for Sustainable Development"	MIET Kumaon, Uttarakhand	2024
12	Diabetes Prediction Using Machine Learning: A Comparative Study of Decision Tree, Gradient Boosting and Logistic Regression Models	International with in India	Emerging Trends in STEM & Health Agri Sciences for Sustainable Development"	MIET Kumaon, Uttarakhand	2024
13	A review of wireless Sensor Network: Current Trends, Challenges and Future.	National Conference	Green and Bio-inspired Manufacturing- The Way Forward.	MJP Rohilkhand University Bareilly	2024
14	Electra MIMO Antenna for EV Wireless Communication	International with in India	International Conference on Engineering and Technology (ICET-24)	National Institute for Engineering and Research Goa, India	2024
15	Breast Cancer Detection: Challenges and Future Research Developments	International with in India	2024 International Conference on Integrated Circuits and Communication Systems (ICICACS)	23-24 February 2024, Raichur, India.	2024
16	Breast Cancer Detection Using Deep Boosted Machine Learning Algorithms	International with in India	International Conference on Trends in Electronics and Health Informatics (TEHI-2024)	28-29, December, 2024, Jaipur, Rajasthan, India	2024

MEMBERSHIP OF PROFESSIONAL SOCIETIES

Sr. No.	Membership Details	Address	Country	Year
1	Senior Member Institute of Research Engineers and Doctors (IRED	Headquarters- 42 Broadway, Suite 12- 217, New York, NY 10004, USA	USA	2018
2	Member of International Association of Engineers (IAENG)	National Taiwan University, Taiwan	Taiwan	2020
3	Member of International Society for Development and Sustainability (ISDS)	Japanese Government as a private organization, JAPAN	JAPAN	2021
4	Member of International Multidisciplinary ResearchFoundation (IMRF)	Head Quarter Vijaywada, Andhra Pradesh, India (ID No. 21176)	India	2022
5	Life Member of Artificial Intelligence, Machine Learning, Innovative Entrepreneurs, and Engineers Association (AMIEE)	AMIEE Association, Shantikunj, Patna Bihar, India. Membership No. AMI/25/0850	India	2025
6	Professional Life Member Institute of Scholars (InSc)	2nd Cross, 7th Block, Sir M V Layout, Muddhinapalya, Bengaluru-560091, Karnataka	India	2023
7	Member of Institution of Electronics and Telecomm. Engineers (IETE)	New Delhi, INDIA (Member ID:174411)	India	2004
8	Member of Metrology Society of India (MSI)	New Delhi, INDIA (Life Member ID:142)	India	2005

RESEARCH METHODOLOGY COURSE / WORKSHOP / FDP

Sr. No	Title	Place / Institution	Duration	Dates
1	Workshop on Project Based Learning using MatLab and Simulink	M.J.P. Rohilkhand University, Bareilly	Workshop Two Days	15/09/2019 to 16/09/2019
2	Faculty Development Programme on Green Chemistry	M.J.P. Rohilkhand University, Bareilly	FDP One Week	25/02/2020 to 29/02/2020
3	Faculty Development Programme on Python Programming	R.D. Engineering College, Ghaziabad	FDP One Week	29/06/2020 to 03/07/2020

4	FDP on Advance Research Trends in Artificial Intelligence, Pattern Recognition and Image Processing	B.T.K.I.T Dwarahat Almora, Uttarakhand	FDP One Week	25/09/2020 to 30/09/2020
5	FDP on Multidisciplinary Research Innovation in Engineering, Science and Technology for Sustainable Development	B.T.K.I.T Dwarahat Almora, Uttarakhand	FDP Two Weeks	26/10/2020 to 07/11/2020
6	Workshop on Photonics Sensor for Chemical and Gas Detection	IIT(ISM) Dhanbad Jharkhand	One Week	18/10/2021 to 23/10/2021
7	Technology based Entrepreneurship Development Programme on Internet of Things	GL Bajaj Institute of Technology and Management, Greater Noida UP	Four Week	10/07/2023 to 04/08/2023
8	Workshop on Photonics Sensor for Biosensing Applications	IIT(ISM) Dhanbad Jharkhand	Three Days	17/10/2024 to 19/10/2024
9	Supercomputing	GLBCRI and UPLC, Govt of UP	Two Days	28/11/2024 to 29/11/2024
10	NEP-2020: Sensitization and Orientation	UGC, New Delhi	Eight Days	11/02/2025 to 18/02/2025

OTHER RESPONSIBILITIES COORDINATOR /PROCTOR ETC.

Sr. No	Responsibilities	Place / Institution	Duration
1	**Deputy Co-Ordinator** Remedial Classes	Sponsored by UGC M.J.P. Rohilkhand University, Bareilly	Since 2016 to till Date
2	**Member Proctorial Board** M.J.P. Rohilkhand University, Bareilly	Proctor, Department of Electronics and Comm. Engineering, M.J.P. Rohilkhand University, Bareilly	Jan 2025 to till date
3	**Principal Investigator** Research Project Under SERB SURE	Science Engineering and Research Board, New Delhi	Nov 2024 to Nev 2027
4	**Co-Principal Investigator** Under Research in Higher Education Department, Uttar Pradesh	Utter Pradesh Government Lucknow	July 2024 to July 2027
5	**Reviewer** Advances in polymer technology WILEY, New Jersey USA	John Wiley & Sons, Inc. Corporate Headquarters 111 River Street New Jersey USA	2024

(Dr. Hari Kumar Singh)
Place: Bareilly, U.P, India