




## Faculty Profile on University Website

www.mjpru.ac.in

Title	Dr.	Hari	Kumar	Singh	Photograph
<b>Designation</b>		<b>Assistant Professor</b>			
<b>Department</b>		<b>Electronics &amp; Communication Department</b>			
<b>Address</b>	<b>Campus</b>	<b>E.C. E Department FET MJPRU, Bareilly</b>			
	<b>Residence</b>	<b>21-B, Panchsheel Nagar, Bareilly-243006</b>			
<b>Mobile No.</b>		<b>+91-9410860110</b>			
<b>Email ID</b>		Personal	harsdik@gmail.com		
		University Domain	hari.singh@mjpru.ac.in		
<b>Professional Networking ID, i.e. LinkedIn, Twitter etc.</b>					
<b>Educational Qualifications (Graduation Onwards)</b>					
<b>Course/Degree</b>	<b>Institution</b>		<b>Year</b>	<b>Details/Thesis Topic/Subjects</b>	
B.Tech	IET, MJP Rohilkhand University, Bareilly		2000	Electronics and Communication	
M.Tech	NIT, Kurukshetra (HR)		2002	Electronics and Communication	
PhD	IFTM, Moradabad		2017	Digital Image Processing	
<b>Career Profile</b>					
<b>Organization / Institution</b>			<b>Designation</b>	<b>Duration</b>	<b>Nature of Duties</b>
SKIET, Kurukshetra (HR)			Lecturer	23 July 2001 to 30 2003.	Teaching
Electronics and Communication F.E.T, M.J.P.R.U, Bareilly			Guest Faculty	16 July 2003 to 18 July 2005	Teaching
Electronics and Communication Radha Govind Engineering College, Meerut (UP)			Sr. Lecturer	19 July 2005 to 30 June 2006	Teaching
Electronics and Communication Engineering. College of Engineering and Rural Technology, Meerut (UP)			Assistant Professor	1st Aug 2006 to 20 Aug 2008	Teaching
Electronics and Communication F.E.T, M.J.P.R.U, Bareilly			Assistant Professor	From 28/Aug/2008	Teaching
<b>Research Interests / Specialization</b>					
Digital Image Processing, Artificial Intelligence and Digital System Design					
<b>Research Experience in Years</b>					
<b>No of Research Scholars Successfully Guided - NA</b>					
<b>Name of Programme</b>		<b>Awarded</b>		<b>Under Supervision</b>	
<b>Ph.D.</b>		<b>AWARDED in 2017</b>		<b>Dr. S.K.Tomar ,</b>	

				<b>IFTM, Moradabad</b>					
<b>Dissertation (M.Ed./M.A.)</b>									
<b>Researcher/ Expert ID</b>	<b>Scopus</b>	<b>Orchid</b>	<b>Publons</b>		<b>Vidwan</b>	<b>Google Scholar</b>			
<b>Teaching Experience (Subjects/Courses Taught)</b>									
20 Years of Teaching Experience									
Digital Image Processing, Digital System Design, Basic electronics, Digital Electronics, Mobile Communication. Artificial Neural Network, Remote Sensing									
<b>Honours / Awards &amp; Fellowship FOR OUTSTANDING WORK</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>		
<b>Publications /Academic Activities (Numbers Only)</b>									
Books & Monographs (Single Author)	Nil	Research Papers Published in International Journals	15	Papers Presented in Seminars/ Conferences	25	Seminars/ Conferences Organized	10	Research Projects (Completed )	Nil
Books (Co-authored)	01	Research Papers Published in Other Journals	nil	Seminar/ Conferences Attended	20	Workshops Organized	5	Research Projects (Ongoing)	1
Books (Edited)		Articles Published in Popular Fora, e.g., Websites, Blogs, Newspapers, Magazines etc.	nil	Sessions Chaired in Seminars/ Conferences	7	Memberships of Academic/ Professional Bodies	6	Foreign Countries Visited for Academic Assignments	Nil
Chapters in Edited Books	nil			Resource Lectures Delivered	10				

**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
2012	Software Applications in Engineering and Technology	Niharkanjali Publication Kanpur	987-81-921124-7-3		
cgttyy2016	NCAEM-2016	Niharkanjali Publication Kanpur	978-93-82972-12-9		
2016	ICAREMIT	Niharkanjali Publication Kanpur	978-93-82972-19-8,		
2018	ICAREMIT	Niharkanjali Publication Kanpur	978-93-82972-27-3		
2019	ICAREMIT	Anukrati Prakashan, Bareilly	978-81-933433-5-7		
2020	ICAREMIT	Anukrati Prakashan, Bareilly	978-81-933433-9-5		

**(c) Papers Published in UGC Care Listed /Indexed/ Peer Reviewed Journals**

Year of Publication	Title	Name of Journal	ISSN No	Citations	Impact Factor

**(d) Chapter/Paper Published in Edited Books**

Publication		Title of the Book	Title of the Chapter	Name & Address of Publisher	Year	ISB N	DOI	Citation Google/ web of science
National	International							

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

1. Delivered Series of Lectures on Digital Image Processing and Mobile Communication in Year 2012 Sequential M.Tech Course in Department of Electronics and Communication at B.T.Kumaon Institute of Technology Dwarahat, Uttarakhand Technical University, Dehradun, India
2. Invited Talk on Different image processing algorithms to optimize agriculture yield in National Conference on Recent advances in science and Technology August 22-23, 2015 held at Seemant Institute of Technology, Pithoragarh, Uttarakhand, India
3. Chaired session of paper presentation in field of Electrical and Electronics Engineering in National Conference on Recent advances in science and Technology August 22-23, 2015 held at Seemant Institute of Technology, Pithoragarh, Uttarakhand, India
4. Invited Talk on Problems and Remedies on job related issues of Engineering Students in National Conference on Recent advances in science and Technology 2016 held at Seemant Institute of Technology, Pithoragarh, Uttarakhand, India

5. Chaired session of paper presentation in field of Electrical and Electronics Engineering in National Conference on Recent advances in science and Technology 2016 held at Seemant Institute of Technology, Pithoragarh, Uttarakhand, India					
<b>(f) Seminars/Conferences/Workshops Organized</b>					
1. Worked as Co-coordinator in conducting Faculty Development Program on Environmental Impact Assessment during 26/03/2015 to 28/03/2015 at Department of Chemical Engineering					
2. Worked as TPC Member in conducting IEEE sponsored International Conference on Advances in Computing					
3. Worked as Member Organizing Committee in conducting TEQIP-II and IEEE sponsored International Conference on Academic Research in Engineering 2015					
4. Worked as Member Organizing Committee in conducting TEQIP-II sponsored in association with IEEE International Symposium on INTERNET OF THINGS: SMART INNOVATION AND USAGES during 22/04/2016 to 23/04/2016 at FET MJP Rohilkhand University					
5. Worked as Member Organizing Committee in conducting TEQIP-II sponsored International Conference on Academic Research in Engineering					
6. Worked as a Member of Organizing Committee in National conference on Recants trends in Engineering and Technology (SAET-2012)					
7. Worked as Member Organizing Committee in conducting TEQIP sponsored International Conference on Academic Research in Engineering, Management and Information Technology (ICAREMIT-2015) at FET MJP Rohilkhand University, Bareilly,U.P. India					
8. Worked as Member Organizing Committee in conducting TEQIP sponsored International Conference on Academic Research in Engineering, Management and Information Technology (ICAREMIT-2016) at FET MJP Rohilkhand University, Bareilly,U.P. India					
9. Worked as Member Organizing Committee in conducting TEQIP sponsored International Conference on Academic Research in Engineering, Management and Information Technology (ICAREMIT-2018) at FET MJP Rohilkhand University, Bareilly,U.P. India					
10. Worked as Member Organizing Committee in conducting TEQIP sponsored International Conference on Academic Research in Engineering, Management and Information Technology (ICAREMIT-2019) at FET MJP Rohilkhand University, Bareilly,U.P. India					
11. Worked as Member Organizing Committee in conducting TEQIP sponsored International Conference on Academic Research in Engineering, Management and Information Technology (ICAREMIT-2020) at FET MJP Rohilkhand University, Bareilly,U.P. India					
<b>(g) Projects (With Title, Year, Grants, Funding Agency and Collaborations)</b>					
Year	Name of Project	Funding Agency	Amount	Duration	
				From	Till
2020	In Field of Digital Image Processing	TEQIP-III	4.00 Lakhs	2020	2021
<b>(h) Administrative Positions/Assignments Held</b>					
Post	Organization	Duration			
		From	To		
Coordinator Remedial Class,	ECE Department				
Departmental Academic Incharge	MJPRU				
ACS (IET Examination)	MJPRU				
Member Examination Committee	MJPRU				
Deputy Coordinator Remedial Class, MJPRU	MJPRU				

## **(i) Seminar/Conference Presentations**

### **International Conferences**

1. Technical Paper entitled “Comparative Study Of RGB And Multispectral Image Using Image Enhancement Technique”, Proceeding of International conference on Academic Research in Engineering, Management and Information Technology (ICAREMIT-2016), ISBN No. 978-93-82972-19-8 sponsored by IEEE, 09-11 Dec, 2016, MJP Rohilkhand University, Bareilly.
2. Technical Paper entitled “Fuzzy C-Means Clustering Algorithm For Analysis of Euclidean Space of Clusters”, Proceeding of International conference on Academic Research in Engineering, Management and Information Technology (ICAREMIT-2016), ISBN No. 978-93-82972-19-8 sponsored by IEEE, 09-11 Dec, 2016, pp 303-308, MJP Rohilkhand University, Bareilly
3. Participated in International Seminar on Recent Trends in Material Science-2013 21/11/2013 Organized by Department of Physics, MJP Rohilkhand University, Bareilly.
4. Technical Paper entitled “Analysis of Remote Sensed Data Using Neuro- Fuzzy Algorithm: A Case Study of Bareilly Region”, Proceeding of International conference on innovations and advancements in information and communication technology (ICIAICT-2012), 30-31 March, 2012, PP-180-189. Greater Noida.

### **National Conferences**

1. Technical Paper entitled “Morphological Segmentation and Directional Gradient of Hyderabad region”, Proceeding of National conference on Advancements in Engineering Material (NCAEM-2016), 24-25 Feb, 2016, PP-101-105, ISBN No. 978-93-82972-12-9, organized by Department of Mechanical Engineering, F.E.T MJP Rohilkhand University, Bareilly.
2. Technical Paper entitled “Image Processing Application In Agriculture And Urban Planning”, Proceeding of National conference on Recent Advance in Science and Technology (NCRAS-2015), 29-30 Aug, 2016, organized by Seemant Institute of Technology, Pithoragarh, Uttarakhand.
3. Technical Paper entitled “Analysis of Remote Sensed Data using Neuro- Fuzzy Algorithm: A Case Study of Haridwar Region”, Proceeding of National conference on Recent Advance in Science and Technology (NCRAS-2015), 22-23 Aug 2015, PP 403-415, organized by Seemant Institute of Technology, Pithoragarh.
4. Presented Technical Paper on “Power Distribution strategies in Co-operative communication” Proceeding of conference on Advances in electronics and communication Technology (AECT-2013), 02/03/2013 Shri Ram Murti Smarak College of Engineering and Technology, Bareilly U.P. India
5. Technical Paper entitled “Analysis of Satellite Image Data using Artificial Neural Network”, Proceeding of conference on Software Applications in Engineering and Technology (SAET-2012), 17, Feb, 2012 MJP Rohilkhand University, Bareilly.
6. Presented Technical Paper on “Analysis of Satellite Image Data using NDVI”, Proceeding of conference on Software applications in Engineering and Technology (SAET-2012), 17, Feb, 2012 MJP Rohilkhand University, Bareilly.
7. Presented Technical Paper on “Optimizing Satellite Communications with Adaptive and Phased Array” Antennas,” Proceeding of conference on Software applications in Engineering and Technology (SAET-2012), 17, Feb, 2012 MJP Rohilkhand University, Bareilly.
8. Presented Technical Paper on “Analysis of Multispectral Image Using Discrete Wavelet Transform” Proceeding of conference on Emerging Technology and System Design (ETSD-2012), 15, April, 2012 Shri Ram Murti Smarak College of Engineering and Technology, Bareilly U.P. India
9. Presented Technical Paper on “Design and Simulation of Pyramidal and Sectoral horn Antennas for millimeter wave communication” Proceeding of conference on Emerging Technology and System Design (ETSD-2012), 15, April, 2012 Shri Ram Murti Smarak College of Engineering and Technology, Bareilly U.P. India

## **(j) Memberships of Academic/Professional Bodies**

### **Overseas**

- Senior Member The Institute of Research Engineers and Doctors (IRED) Headquarters- 42 Broadway, Suite 12-217, New York, NY 10004, USA
- Member of International Association of Engineers (IAENG) is registered at National Taiwan University, Taiwan
- Member of International Society for Development and Sustainability (ISDS) is registered with Japanese Government as a private organization, JAPAN

### **Indian**

- Associate Member of Institution of Electronics and Telecommunication Engineers (AM-174411) since 15<sup>th</sup>, Dec 2004 at New Delhi, INDIA
- Associate Member of Metrology Society of India (LAM-142) since 20<sup>th</sup>, Nov 2005 at New Delhi, INDIA
- Associate Member of I.S.T.E (AM-63491) at New Delhi

**IEEE MTTs, IIRS nodal center (Coordinator)****(k) Participation in Community Service / Exchange Programme / Consulting Activity****(l) International Academic Exposure****(m) Any Other Details****M.Tech Supervisions**

1. Supervision of M.Tech. Dissertation, 2008 in field of Digital Image Processing for Mr. R.P.singh National Institute of Technology, Uttrakhand, India
2. Supervision of M.Tech. Dissertation, 2008 in field of Digital Image Processing for Mr. Neeraj Tiwari National Institute of Technology, Uttrakhand, India
3. Supervision of M.Tech. Dissertation, 2015 in field of Antenna and Microwave for Mr. Deepak Yadav, Uttranchal Technical University, Uttrakhand, India
4. Supervision of M.Tech. Dissertation, 2016 in field of Digital Image Processing for Ms. Pooja Singh, Uttranchal Technical University, Uttrakhand, India

**Participated**

1. Participated in UGC Sponsored 34<sup>th</sup> Orientation Programme from June 05, 2018 to July 02, 2018 at HRD Centre, University of North Bengal, West Bengal, India
2. Participated in TEQIP-II sponsored International Workshop on YOUTH EMPOWERMENT THROUGH SKILL DEVELOPMENT on 09/04/2018 at FET MJP Rohilkhand University, Bareilly, U.P. India
3. Participated in Faculty development program entitled "ENTREPRENEURSHIP" 02-08 Jan, 2018 held at MJPRU Bareilly, organized by ABES Engineering College Ghaziabad, supported by NSTEDB Department of Science and Technology Government. of India
4. Participated in TEQIP-II sponsored Faculty Development Program on INNOVATIVE RESEARCH ON MATERIALS IN SCIENCE AND ENGINEERING during 17/04/2016 to 22/04/2016 at FET MJP Rohilkhand University, Bareilly, U.P. India
5. Participated in TEQIP-II sponsored Faculty Development Program on MUNICIPAL SOLID WASTE MANAGEMENT during 07/12/2016 to 11/12/2016 at Department of Chemical Engineering, FET MJP Rohilkhand University, Bareilly, U.P. India
6. Participated in TEQIP-II sponsored Faculty Development Program on MICROWAVE AND WIRELESS COMMUNICATION during 29/03/2016 to 03/04/2016 at Department of Electronics and Communication Engineering, FET MJP Rohilkhand University, Bareilly, U.P. India
7. Participated in TEQIP-II sponsored Symposium on WAVELET AND ITS APPLICATION IN ENGINEERING PROBLEMS during 20/12/2015 to 21/12/2015 at Department of Electronics and Communication Engineering, FET MJP Rohilkhand University, Bareilly, U.P. India
8. Participated in TEQIP-II sponsored Workshop on WATER QUALITY MONITORING, NETWORK DESIGN, SAMPLING ANALYSIS AND QUALITY ASSURANCES during 26/03/2015 to 28/03/2015 at Department of Chemical Engineering, FET MJP Rohilkhand University, Bareilly, U.P. India
9. Participated in TEQIP-II sponsored Faculty Development Program on ENVIRONMENTAL IMPACT ASSESSMENT during 26/03/2015 to 28/03/2015 at Department of Chemical Engineering, FET MJP Rohilkhand University, Bareilly, U.P. India
10. Participated in TEQIP-II sponsored Faculty Development Program on FRONTIER AREA OF RESEARCH IN MECHANICAL ENGINEERING during 25/03/2014 to 29/03/2014 at FET MJP Rohilkhand University, Bareilly, U.P. India
11. Participated in Faculty Development Program on MATLAB AND SIMULINK PROGRAMMING 04/02/2014 to 08/02/2014 Organized by Department of CS and IT, FET MJP Rohilkhand University, Bareilly in association with National Institute of Electronics and Information Technology, Gorakhpur, U.P. India
12. Participated in NITTTR Chandigarh AICTE recognized Short Term Course on Microcontroller Based Embedded System Through ICT from 06/01/2014 to 10/01/2014 Organized by NITTTR Chandigarh at Department of Electrical Engineering at R.D. Engineering College Ghaziabad U.P., India
13. Participated in AICTE recognized Short Term Course on VLSI Through ICT from 10/03/2014 to 14/03/2014 Organized by NITTTR Chandigarh at R.D. Engineering College Ghaziabad U.P., India
14. Participated in Faculty Development Program on PARALLEL AND DISTRIBUTED COMPUTING during 5/02/2012 to 19/02/2012 Organized by Department of CS and IT, FET MJP Rohilkhand University, Bareilly U.P. India

Signature of Faculty Member

