Curriculum Vitae
Preeti Yadav

Title	Dr.	First Name	Preeti	Last Name	Yadav	
Designation		**Assistant Professor**				
Department		**Computer Science and Information Technology**				
Address	**Office**	**Department of CS&IT, IET, MJP Rohilkhand University, Bareilly, UP, India.**				
	Residence	**Flat No 207, Tulip Grace Apartments, Bareilly-243122 (UP).**				
Mobile No.		**7017932082**				
Email ID		Personal		**preeti.mjpru@gmail.com**		
		University Domain		**Preeti.yadav@mjpru.ac.in**		
Professional Networking ID, i.e. Linkedin, Twitter etc.		**linkedin.com/in/PREETI-YADAV-7852481B7**				

Educational Qualifications (Graduation Onwards)

Course/Degree	Institution	Year	Details/Thesis/Topic/Subjects
Ph.D. (Computer Science and Engineering)	IIT Roorkee, Roorkee	2023	Development of an Efficient Localization Scheme in Wireless Sensor Networks using Machine Learning
M.Tech (Computer Science and Engineering)	Integral University, Lucknow	2014	Natural Language Processing
B.Tech (Computer Science and Engineering	S.R.M.S. College of Engineering & Technology, UPTU, Lucknow	2007	Computer Science & Engineering

Career Profile

Organization / Institution	Designation	Duration	Nature of Duties
Department of CS &IT, IET, MJP Rohilkhand University, Bareilly.	Assistant Professor (AGP. 8000)	2019-Till Date	Teaching & Research
Department of CS &IT, IET, MJP Rohilkhand University, Bareilly.	Assistant Professor (Sr. Scale)	2014-2019	Teaching & Research
Department of CS &IT, IET, MJP Rohilkhand University, Bareilly.	Assistant Professor	2008-2014	Teaching & Research
Andhra Bank, Hyderabad	IT Officer	April 2008 - August 2008	Manager
Department of CS &IT, IET, MJP Rohilkhand University, Bareilly.	Guest Faculty	July 2007- March 2008	Teaching

Research Interests / Specialization

Wireless Sensor Networks, Machine Learning Cloud Computing, Natural Language Processing and Internet of Things				

Teaching Experience in Years	≈ 15 Years

No of Research Scholars Successfully Guided

Name of Program	Awarded	Under Supervision
Ph.D.	Nil	Nil
M.Phil.	NA	NA
Dissertation (M.Ed./M.A.)	NA	NA

Researcher/ Expert ID	Scopus	Orcid	Publons	Vidwan	Google Scholar
	Scopus id: 57202901680	0000-0002-3093-9348	ADZ-5518-2022	422368	preeti.yadav@mjpru.ac.in

Teaching Experience (Subjects/Courses Taught)

(Machine Learning, Data Structure, Data Base Management System, Computer Fundamentals, Object Oriented Programming in C++ etc.)

Honors / Awards & Fellowship FOR OUTSTANDING WORK

Name of Award/ Fellowship	Awarded By		
	Name of Governmental Agency	Name of Government Supported Organization/ Department	Name of International Recognized Body
-	-	-	-

Publications /Academic Activities (Numbers Only)

Books & Monographs (Single Author)	-	Research Papers Published in International Journals	14	Papers Presented in Seminars/ Conferences	14	Seminars/ Conferences Organized	02	Research Projects (Completed)	01
Books (Co-authored)	-	Research Papers Published in Other Journals	-	Seminar/ Conferences Attended	14	Workshops Organized	03	Research Projects (Ongoing)	-
Books (Edited)	-	Articles Published in Popular Fora, e.g., Websites, Blogs, Newspapers,	-	Sessions Chaired in Seminars/ Conferences	04	Membership of Academic/ Professional Bodies	02	Foreign Countries Visited for Academic Assignments	-
Chapters in Edited Books	05			Resource Lectures	-			

		Magazines etc.		Delivered					

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
2023	Unveiling the Cutting Edge: A Comprehensive Survey of Localization Techniques in WSN, Leveraging Optimization and Machine Learning Approaches	Wireless Personal Communication, Springer	0929-6212	-	**2.017**
2023	A Systematic Review of Localization in WSN: Machine Learning and Optimization-Based approaches	International Journal of Communication system Wiley	1099-1131	9	2.34
2022	Optimized Localization Learning Algorithm for Indoor and Outdoor Localization System in WSNs	Wireless Personal Communication, Springer	0929-6212	2	2.017
2022	Hybrid localization scheme using K-fold optimization with machine learning in WSN (SCIE)	International Journal of Communication system Wiley	1099-1131	5	2.34
2021	Optimizing Energy Consumption in IoT-Based Scalable Wireless Sensor Networks (ESCI)	International Journal of System Dynamics Applications	2160-9772	4	-

Year	Title	Journal	ISSN/Vol	Citations	DOI
2021	A Bio-inspired Hybrid Cross-Layer Routing Protocol for Energy Preservation in WSN-Assisted IoT (SCIE)	KSII Transactions on Internet and Information Systems	15(4):1317-1341	14	-
2019	Fog with IoT Architecture: Potential applications and Challenges	Mukt Shabd Journal	2347-3150	-	-
2018	Machine Learning in Wireless Sensor Networks: A Survey	International Journal of Research	2236-6124	4	-
2016	Benchmarking of Routing protocols for WSN	Parishodh	2347-6648	-	-
2015	Security Loopholes and Passive attacks for M-Commerce in PKI Based Infrastructure	International Journal of Advance Technology in Engineering and Science	2348-7550	1	-
2014	Study of Hindi Word Sense Disambiguation Based on Hindi WordNet	IJRASET	2321-9653	5	-
2014	A New Approach to Reduce the Delay with Balanced Hardware Requirement in SAD Technique	International Journal of Research	2236-6124	-	-
2014	Energy Attentive Multicast Routing Protocol for MANETs	JASC	1076-5131	-	-
2013	Mining Association Rules Based Approach to Word Sense Disambiguation for Hindi Language	IJETAE	2250-2459	13	-

(d) Chapter/Paper Published in Edited Books

Publication		Title of the Book	Title of the Chapter	Name & Address of Publisher	Year	ISBN	DOI	Citation Google/ web of science
National	International							
	Y	A Handbook of Computational Linguistics: Artificial Intelligence in Natural Language Processing	Deep Learning-based Word Sense Disambiguation for Hindi Language using Hindi WordNet Dataset	Bentham Science	2023	-	-	-
	Y	Towards the	Artificial	Springer	2023	-	https://doi.	-

		Integration of IoT, Cloud and Big Data	Intelligence Based Plant Disease Detection				org/10.100 7/978-981- 99-6034- 7_5	
	Y	Towards the Integration of IoT, Cloud and Big Data	Automatic Smart Irrigation Method for Agriculture Data	Springer	2023	-	https://doi. org/10.100 7/978-981- 99-6034- 7_4	-
	Y	Blockchain and 6G Communication with Evolving Applications: Forecasts and Challenges	6G communicati ons with evolving applications: Forecasts and Challenges	CRC Press	2022	-	10.1201/97 810032643 92-8.	-
	Y	Introduction to AI Techniques for Renewable Energy System	AI based Renewable Energy with Emerging Applications : Issues and Challenges	CRC Press	2021	978100 310444 5	-	-

(e) Papers Published in Conferences

Sr. No.	Title of the Paper	Title of Conference	Organized by	Whether international /National
1.	Optimizing RF Parameters in Novel Si1-xGex/GaAs JLTFET through Ge Mole fraction variation	IEEE International Conference on Electrical, Electronics, Communication and Computers	Joint collaboration (Drone Research Centre, IIT Roorkee IEEE Roorkee Subsection IEEE U.P. GRSS) 2023	International
2.	Machine Learning-Based Node Localization in IoT-Assisted WSN: An Initial Framework for Real-Time Applications	International Conference on Soft Computing for Problem Solving (SocProS-2023), Springer	IIT Roorkee, Roorkee, India, 2023	International
3.	Machine Learning Based Techniques for Node Localization in WSN: A Survey	International Conference on Device Intelligence, Computing and Communication Technologies (DICCT-2023), IEEE	Graphic Era University, Dehradun, India	International
4.	Localization in Precision Agriculture: A Machine Learning Perspective	International Conference on Device Intelligence, Computing and Communication Technologies (DICCT-	Graphic Era University, Dehradun, India	International

		2023), IEEE		
5.	IEEE 802.11 DCF MAC Protocol for CR-Enabled WLAN in AdHoc and Infrastructure modes	International Conference on Device Intelligence, Computing and Communication Technologies (DICCT-2023), IEEE	Graphic Era University, Dehradun, India	International
6.	Impact of Ge Mole Fraction on the Performance of Si1-xGex/InAs Charged Plasma-Based JLTFET	International Conference on Device Intelligence, Computing and Communication Technologies (DICCT-2023), IEEE	Graphic Era University, Dehradun, India	International
7.	Q-Learning Based Optimized Localization in WSN	International Conference on Information Systems and Computer Networks (ISCON-2023), IEEE	GLA University, Mathura, India, 2023	International
8.	QoS-Attentive Learning-based Routing for Scalable WSNs	Proceedings of the International Conference on Data Science, Machine Learning and Artificial Intelligence, 2021	Windhoek Namibia	International
9.	Cloud Data Security: Opportunities and Challenges	IEEE ICACCA 2019, ISBN 978-1-7281-5111-3	MJP Rohilkhand University, Bareilly	International
10.	Secure Energy Aware Routing in Wireless Sensor Networks	IEEE IoT-SIU, ISBN 978-1-7281-1253-4, 2019	MJP Rohilkhand University, Bareilly	International
11.	Application of Internet of Things and Big Data towards a smart city	IoT-SIU, ISBN 978-93-82972-11-9, 2018	Birla Institute of Applied Sciences, Bhimtal, UK	International
12.	Collaboration of social Platform and Its Future with Internet of Things	SMART, 2017	TMU, Moradabad, U.P.	International
13.	Enhancement of Spectral Efficient Modulation by Hybridization of Different Modulation Technique for Fiber Transmission (2017)	ICACCA, ISBN 978-93-82972-11-9, 2017	Tula's Institute, Dehradun	International
14.	Collaboration of social Platform over IoT (Feb-2017)	IoT-SIU, ISBN 978-93-82972-11-9, 2017	MJP Rohilkhand University, Bareilly	International

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

Resource person	Detail of Event	Title of Lecture	Date	Institution
-	-	-	-	-

(g) Seminars/ Workshops Organized

S.No	Programme	Duration	Role	Organized by
1.	National webinar on Tech Start-Ups, Pathways: Invention to Innovation	1 August 2020	Coordinator	IEEE MJP RU Branch
2.	National Webinar on Innovation Practices: Insight and Trends	31 July 2020	Coordinator	IEEE MJP RU Branch
3.	International Webinar on Data Science, AI and Soft Computing	20 July 2020	Coordinator	IEEE MJP RU Branch and PSIT Kanpur Branch
4.	International Conference (IEEE), ICACCA	29-30 November 2019	Member, Organizing Committee	Department of CSIT, co-sponsored by IEEE Up Section and TEQIP MJPRU
5.	International Conference, ICAREMIT	01-03 Feb, 2020	Member, Organizing Committee	TEQIP III MJPRU
6.	Workshop on Art of Writing Quality Research Paper	14-15 July, 2018	Member, Organizing Committee	TEQIP-III, MJPRU, Bareilly.
7.	IEEE, International Conference, IoT-SIU	23-24 Feb, 2018	Member, Organizing Committee	BIAS, Bhimtal, UK.
8.	IEEE, International Symposium, IoT-SIU	28th Feb- 1st March 2017	Member, Organizing Committee	TEQIP-II, MJP Rohilkhand University, Bareilly.
9.	IEEE, International Conference on ICACCA	30 Sept-01 Oct, 2016	Member, Organizing Committee	TEQIP-II, MJPRU, Bareilly.
10.	One week workshop on Personality Development Skills	23-27 Oct 2013	Member, Organizing Committee	TEQIP-II, MJP Rohilkhand University, Bareilly.
11.	Faculty Development Program on "Parallel & Distributed Computing"	15-19 Feb 2012	Member, Organizing Committee	Department of CS & IT, FET, MJP Rohilkhand University, Bareilly

(h) Projects (With Title, Year, Grants, Funding Agency and Collaborations)

Year	Name of Project	Funding Agency	Amount	Duration	
				From	Till
2019	Optimized Energy Consumption Routing for IoT based Large Wireless Sensor Networks	TEQIP III, MHRD	Rs. 3,50,000	2019	Sept 2020

(i) Administrative Positions/Assignments Held

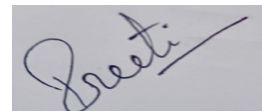| Post	Organization	Duration	
		From	To
In charge	Seminar	2023	Till date
In charge	Project Lab	2023	Till date
In charge	Newsletter	2023	Till date

Convener	WIE, IEEE student branch, MJPRU Bareilly	2019	Till date
Student Advisor	CSIT, FET, MJP Rohilkhand University Bareilly	2012	Till date
In charge Cultural Events	CSIT, FET, MJP Rohilkhand University, Bareilly	2011	2020
Member	RTI, MJP Rohilkhand University, Bareilly	2011	2012

(j) STC/FDP/ Workshops/ Webinar attended

S. No.	Title	Duration	Organized By	National/ International
1.	2-week STC on MIMO Technologies	18/04/22-29/04/22	QIP, AICTE, New Delhi	International
2.	One Week Online Training Program on Statistical Data Analysis using "R" Software	December 21-27, 2021	Science Tech Institute (Run by MKS Educational Society), Lucknow, UP India	National
3.	UNPACKING E-MOBILITY TECHNOLOGIES FOR INDIA"	November 20 - 24, 2021	Scheme for Promotion of Academic and Research Collaboration (SPARC) of Ministry of Education, Govt. of India	International
4.	2-week FDP on Machine Learning for Data Science Applications" through Uttaranchal Institute& Technology	08th July 2021 to 21st July 2021	UIT, Uttaranchal University, Dehradun	International
5.	Recent Trends in Electrical Engineering and Applications	International Faculty Development Program (8-13 August, 2020)	Department of Electrical Engineering, MJP Rohilkhand University, Bareilly	International
6.	Role of Women Entrepreneurs in Socio-Economics Development of India	Webinar. August 2020	RKGITWE & EDTIC, RKGIT, Ghaziabad	National
7.	Going online: Classroom, Field Work and Research (JNU-WETOM IV)	Workshop, 11-12 July 2020	JNU, New Delhi	International
8.	Empowering Teaching Through Online Mode (JNU-WETOM IV)	Workshop on Going Online: Classroom, Field Work & Research, July 2020	JNU, New Delhi	International
9.	Assessment & Accreditation Process of NACC	Webinar, July 2020	IQAC, MJP Rohilkhand University, Bareilly	National
10.	Detecting Additive use of Digital Technology using AI	Webinar, 2020	MJP Rohilkhand University, Bareilly	National

11.	Modern Methods for Remote Teaching – Learning Practices	Webinar, 25th May 2020	FET & SWAYAM-NPTEL Committee, Gurukul Kangri University, Haridwar	National

(k) Memberships of Academic/Professional Bodies

- ➢ Member, IEEE **(Membership Number: 96107005)**
- ➢ Member, ACM **(Membership number: 7449947)**

(l) Participation in Community Service / Exchange Programme / Consulting Activity

- ➢ Work as Student Advisor in Department of CSIT, FET, MJPRU, Bareilly
- ➢ Work as Convenor, Women in engineering affinity group IEEE
- ➢ Participated in many seminars/Symposiums for women empowerment
- ➢ Organized many plantations drives
- ➢ Celebrates earth day under IEEE student branch
- ➢ Attended spiritual/Meditation workshops under TEQIP III

(m) International Academic Exposure

(n) Any Other Details

- ➢ Patents: 07 (03 National, 04 International).
- ➢ Mentoring of students under IEEE and ACM Club.
- ➢ Worked into many committees of university like Examination, RTI, Flying Squad and organized various cultural events.
- ➢ In Charge for many departmental works like seminar, newsletter, lab maintenance.

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(Preeti Yadav)