




Faculty Profile on University Website

www.mjpru.ac.in

Title	Dr.	First Name	Akhtar	Last Name	Husain	Photograph
Designation		Associate Professor				
Department		Computer Science & Information Technology				
Address	Campus	First Floor, Central Computer Center				
	Residence	405, Faiq Enclave, Phase-2, Bareilly-243006				
Mobile No.		9457381048, 9319760019 (WhatsApp)				
Email ID		Personal	husainakhtar@gmail.com			
		University Domain	akhtarhusain@mjpru.ac.in			
Professional Networking ID, i.e. LinkedIn, Twitter etc.		https://www.linkedin.com/in/dr-akhtar-husain-husain-b52710154/				
Educational Qualifications (Graduation Onwards)						
Course/Degree		Institution		Year	Details/Thesis Topic/Subjects	
Bachelor of Engineering (B.E.)		G. B. Pant Engineering College, Pauri Garhwal, HNB Garhwal Central University, Srinagr, Utrakhand.		1996	Computer Science and Engineering	
Master of Engineering (M.E.)		Panjab University, (NITTTR) Chandigarh		2009	Computer Science and Engineering	
PhD		IIT Roorkee		2017	Topics: Implementation of Location Based Geocast Routing Protocols using Soft Computing in VANET	

Career Profile					
Organization/Institution		Designation	Duration	Nature of Duties	
Hindu College Moradabad (IGNOU Study Centre)		Lecturer (Academic Counselor)	July 01,1996 To June 30,1999	Teaching	
Moradabad Institute of Technology, Moradabad(UP)		Lecturer	July 21,1999 To September 30,2002	Teaching	
MJP Rohilkhand University, Bareilly (UP)		Lecturer	October 01,2002 To September 30,2008	Teaching	
MJP Rohilkhand University, Bareilly (UP)		Assistant Professor (AGP7000)	October 01,2008 To September 30,2013	Teaching	
MJP Rohilkhand University, Bareilly (UP)		Assistant Professor (AGP8000)	October 01,2013 To August18,2017	Teaching & Research	
MJP Rohilkhand University, Bareilly (UP)		Associate Professor (Level 13A)	August 19,2017 To Continue	Teaching & Research	
Research Interests/Specialization					
Ad Hoc Networks, Soft Computing, Cloud Computing					
Research Experience in Years =14					
Number of Research Scholars Successfully Guided					
Name of Programme		Awarded	Under Supervision		
Ph.D.		05	02 Submitted and 04 Ongoing		
M. Phil.		Nil	Nil		
Dissertation (M.Ed./ M.A.)		Nil	Nil		
Researcher/ Expert ID	Scopus	Orchid	Publons	Vidwan	Google Scholar
	39361701800	0000-0002-0282-8608	AAY-2078-2020	154343	akhtarhusain@mjprou.ac.in
	57211438445				

Teaching Experience (Subjects/Courses Taught)								
Data Structure, Computer Organization, Computer Networks, DBMS, Operating System, Network Security, Cryptography, Mobile Ad Hoc Network.								
Honours/Awards & Fellowship FOR OUTSTANDING WORK								
Name of Award/ Fellowship		Awarded By						
		Name of Government Agency		Name of Government Supported		Name of International Recognized Body		
				Organization/ Department				
QIP Fellowship for PhD		MHRD		AICTE		-		
Publications/Academic Activities(Numbers Only)								
Books & Monographs (Single Author)		Research Papers Published in International Journals	26	Papers Presented in Seminars/ Conferences	13	Seminars/ Conferences Organized	Research Projects (Completed)	
Books(Co-authored)		Research Papers Published in Other Journals		Seminar/ Conference Attended		Workshops Organized	Research Projects	1
Books (Edited)		Articles Published in Popular Fora, e.g., Websites, Blogs, Newspapers, Magazines etc.		Sessions Chaired in Seminars/ Conferences	1	Membership of Academic/ Professional Bodies	Foreign Countries Visited for Academic Assignments	
Chapters in Edited Books	3			Resource Lectures Delivered	1			

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/Indexd/Peer Reviewed Journals

Year of Publication	Title	Name of Journal	ISSN No	Citations	Impact Factor
2023	Driving a Key Generation Strategy with Training-Based Optimization to Provide Safe and Effective Authentication using Data sharing Approach in IoT Healthcare	Computer Communication	1873-703X (online). 0140-3664 (print)		SCI 5.047
2023	Reinforcement Learning Based Efficient Power Control and Spectrum Utilization for D2D Communication in 5G Network	International Journal of Computer Network and Information Security	2074-9090, 2074-9104		
2022	Performance Evaluation of Hash Function Using New Decentralized Blockchain-Based Secure Keyless Hash Algorithm	Journal of Northeastern University	1005-3026		
2022	Enhancing the Performance of Hash Function by New 4096 Bit Hash Algorithm	Industrial Engineering Journal	0970-2555		
2022	Bibliometric analysis of research aspects of simple sequence repeats in cultivars	International Journal of Health Sciences	2550-6978 2550-696X		
2022	Computational Approach for Mining Simple Sequence Repeats in Expressed Sequence Tags	Samriddhi: A Journal of Physical Sciences, Engineering & Technology	2229-7111 2454-5767		
2021	Design and Analysis of Hash Algorithm Using Autonomous Initial Value Proposed Secure Hash Algorithm128	Design Engineering	0011-9342		
2021	Performance Evaluation of Hash Function Using Proposed Secure Hash Algorithm	Design Engineering	0011-9342		
2021	Mining and Analysis of micro satellites in human corona virus genomes using the in-house built Java pipeline	Genomics & Informatics	2234-0742		

2020	RSA Data Security Approach in Cloud Computing	Journal of Critical Reviews	2394-5125		
2020	Study of Cryptography in Cloud Computing	Turkish Journal of Computer and Mathematical Education	1309-4653		
2020	Fuzzy Logic Based Geocast Routing in Vehicular Ad Hoc Network	Journal of Scientific and Industrial Research(JSIR)	0022-4456	-	SCIE 1.056
2020	PSO Optimized Geocast Routing in VANET	Wireless Personal Communication s	0929-6212	-	SCIE 1.671
2020	Autonomic cloud Resource provisioning and scheduling using meta-heuristic algorithm	Neural Computing and Applications	1433-3058	2	SCIE 5.606
2020	Enhanced ATM Security with OTP Based Authentication	International Journal of Advanced Science and Technology	2207-6360	-	
2020	Application of Computational Intelligence Techniques for Optimization of Routing Protocols in Wireless Sensor Networks :A Survey	INFOCOMP Journal of Computer Science	1982-3363	-	
2020	Cloud Based Health care Services For Telemedicine Practices Using Internet of Things	Journal of Critical Reviews	2349-5125	-	
2019	Thermal Image Segmentation Based on Differential Evolution	International Journal of Scientific & Technology Research	2277-8616	-	
2019	Face Acknowledgement Frame work, Using Hybrid of Genetic Algorithm and Ant Colony Optimization Algorithm	International Journal of Scientific & Technology Research	2277-8616	-	
2018	Implementation of Geographical Location Based Routing Protocols in Vehicular Environment	International Journal of Systems Assurance Engineering and Management	0976-4348	-	
2015	Simulated Analysis of Location And Distance Based Routing in VANET With IEEE802.11p	Journal of Procedia Computer Science	1877-0509	15	

2015	Performance Evaluation of Location-Based Geocast Using Directed Flooding Rectangular Forwarding Zone in City VANET	International Journal of Engineering and Technology Innovation	2223-5329	3	
2011	Performance Evaluation of Routing Protocol in Vehicular Ad Hoc Networks	International Journal of Internet Protocol Technology	1743-8217	16	
2011	Performance Comparison of Topology and Position Based Routing Protocols in Vehicular Network Environments	International Journal of Wireless & Mobile Networks (IJWMN)	0975-3834	28	
2011	Simulation Based Analysis of Position Based Routing Protocols in Vehicular Ad hoc Networks	International Journal of Advances in Computer Networks and its Security	2250-3757	-	
2010	A Study of Location Aided Routing(LAR) Protocols for Vehicular Ad Hoc Networks in Highway	International Journal of Engineering and Information Technology	0976-0253	21	

(d) Patent Details

S.No.	Patent Number	Publication Date	Title	Country
1.	202111008829	26-03-2021	MTV-Framework Traffic Classification: Machine /Deep Learning Frame Work For Traffic Classification And Taking Appropriate Actions on Vehicles Using IoT-Based Technology	IP India
2.	2021101256	21-04-2021	Airplane Accidents Predictive Using AI and Machine Learning Programming	IP Australia
3.	202111046127	29-10-2021	BITCOIN Price Prediction Using Machine Learning	IP India

4.	202111046134	29-10-2021	UBER Data Analysis and Quick Search Using Deep Learning	IP India
5.	202111058519	14-01-2022	Early Detection of Depression using AI and Mobile Device	IP India

(e)Chapter/Paper Published in Edited Books

Publication	Title of the Book	Title of the Chapter	Name & Address of Publisher	Year	ISBN On-line	DOI	Citation Google/web of Science
International							
International	Communication in Computer and Information Science Series	Performance Comparison of Different routing Protocols in Vehicular Ad Hoc Networks	Springer, Berlin, Heidelberg	2011	978-3-642-22555-0	10.1007/978-3-642-22555-0_44	4
International	Smart Innovation, Systems and Technologies	Analysis of Location and Distance Based Routing Protocols In VANET With IEEE802.11p	Springer New Delhi	2016	978-81-322-2529-4	10.1007/978-81-322-2529-4_22	4
International	Green Internet of Things Smart for Cities	Green-IoT (G-IoT) Architectures and Their Applications in the Smart City	CRC Press	2021	978-1003032397	10.1201/9781003032397-3	

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

Resource person	Detail of Event	Title of Lecture	Date	Institution
Dr. Akhtar Husain	Global E-Symposium on Global Pandemic Outbreak :Role Of Technology &Automation	Geocast Routing in Vehicular Ad Hoc Networks	June 01-05, 2020	JSS Academy of Technical Education, Noida

(g)Seminars/Conferences/Workshops Organized

(h)Projects(With Title, Year, Grants, Funding Agency and Collaborations)					
Year	Name of Project	Funding Agency	Amount	Duration	
				From	Till
2019	Optimized Routing in Vehicular Ad Hoc Networks	TEQIP-III	Rs.2Lakh	January2019	January2021
(i)Administrative Positions/Assignments Held					
Post	Organization	Duration			
		From		To	
Member of State level B.Ed Entrance 2022 Technical Committee	MJPRU	2022		2023	
Website Coordinator	MJP Rohilkhand University, Bareilly	2020		Continue	
Convener BOS	CSIT,FET,MJPRU	2019		2021	
NBA Coordinator of Department	CSIT,FET,MJPRU	2019		2020	
Member of Flying Squad	MJPRU	2019		2019	
Member of Examination Centers Inspection of Camera Installation	MJPRU	2019		2019	
CS B.Tech III Year Exam	FET,MJPRU	2019		2019	
Member of State level B.Ed Entrance Technical Committee	MJPRU	2019		2019	
B.Tech4 th Year Coordinator	CSIT,FET,MJPRU	2008		Continue	
Member BOS	CSIT,FET,MJPRU	2003		2019	
In-charge Examination	CSIT,FET,MJPRU	2008		2012	
Member Website	CSIT,FET,MJPRU	2008		2012	

In-charge database Lab	CSIT,FET,MJPRU	2008	2012
In-charge RTI	CSIT,FET,MJPRU	2009	2010

(j)Seminar/ConferencePresentations

1. Anil Kumar Bisht, Brajesh Kumar, Shailendra Mishra, and Akhtar Husain, “ Simulation Based Analysis of Position Based Routing Protocols in Vehicular Ad Hoc Networks” International Conference on Advanced Computing, Communication and Networks(ICACCN“11), pp. 750-757, held on June 2-3, 2011 at Chandigarh.

2. Akhtar Husain, Ram Shringar Raw,Brajesh Kumar and AmitDoegar,“Performance Comparison of Different Routing Protocols in Vehicular Network Environments”, Springer Conference on Advances in Computing and Information Technology, Communications in Computer and Information Science, 2011 vol.198.1, pp. 427-436 at Chennai.

3. Akhtar Husain and S.C. Sharma, “Analysis of Location and Zone Based Routing in VANET using IEEE802.11P”, International Conference of Advance Research and Innovation (ICARI-2015) held on 31 January , 2015 at Institution of Engineers (India), Delhi State Centre, (EngineersBhawan), Bahadur Shah Zafar Marg, NewDelhi-110002, India.

4. Akhtar Husain and S.C. Sharma, “Comparative Analysis of Location and Zone Based Routing in VANET with IEEE802.11p in City Scenario”, IEEE 2015 International Conference on Advances in Computer Engineering and Applications(ICACEA-2015, held on 19-20March, 2015 at IMS Engineering College, Ghaziabad, India (IEEE, SCOPUS Indexed).

5. Sharad kumar, Nempal singh and Akhtar Husain, “Application of Octagon Iterations to Design and analyse Fractal antenna in Circular shape”, Online International Conference on “ Smart Modernistic in Electronics and Communication(ICSMEC-2020)” held on 29-30 June 2020atSt.martin’s Engineering College, Secunderabad, PaperID:ICSMEC-2020/0405,ISBN No. 978-93-80831-43-5.

6. Sharad kumar, Nempal singh and Akhtar Husain, “Application of Triangular Arc Iterations to Design Homocentric-Arm Shaped Fractal Antenna”, Online International Conference on “ Smart Modernistic in Electronics and Communication(ICSMEC-2020)” held on 29-30 June 2020atSt.martin’s Engineering College, Secunderabad, PaperID:ICSMEC-2020/0406,ISBN No. 978-93-80831-43-5.

7. Roma Saxena and Akhtar Husain, “A Review on Clustering Algorithms Based on Fucyy C-Means in Wireless Sensor Networks”, 2nd International conference on Emerging issues on contemporary Business Practices in the Era of Intelligence(EICBI), held on 28 Nov 2020 at Shri Ram Murti Smarak College of Engineering & Technology, Bareilly in association with UN Global Compact Network India.

8. B.R. Ambedkar, P.K. Bharti and Akhtar Husain, “Design and Analysis of Hash Algorithm Using Autonomous Initial Value Proposed Secure Hash Algorithm64”, 18th IEEE INDICON-2021, held on 19-21 Dec. 2021 at IIT Guwahati, ISSN: 978-1-6654-4175- 9/21, | DOI: 10.1109/INDICON52576.2021.9691602.

9. B.R. Ambedkar, P.K. Bharti and Akhtar Husain, “Enhancing the Performance Evaluation of Hash Function Using Autonomous Initial Value Proposed Secure Hash Algorithm 256”, 11th IEEE international Conference CSNT-2022 held on 23-24 April 2022, Indore, Madhya Pradesh.

10. Umang, P. K. Bharti and A. Husain, "Mining of Microsatellites in Genomic Data Using a Hybrid Approach with Range Tree Applications," 2022 7th International Conference on

Computing, Communication and Security (ICCCS), Seoul, Korea, Republic of, 2022, pp. 1-4, doi: 10.1109/ICCCS55188.2022.10079353 held on 03-05 Nov 2022.

11. Umang, P. K. Bharti and A. Husain, "Empirical Evaluation of in silico Microsatellites Mining Tools Designed Using Nextgen Technology in Crops," 2022 7th International Conference on Computing, Communication and Security (ICCCS), Seoul, Korea, Republic of, 2022, pp. 1-5, doi: 10.1109/ICCCS55188.2022.10079358 held on 03-05 Nov 2022.

12. Saxena, R., Husain, A., "Performance Enhancement in WSN Through Fuzzy C-Means Based Hybrid Clustering (FCMHC)", Advancements in Smart Computing and Information Security, ASCIS 2022 at First International Conference, Rajkot, India, November 24–26, 2022. Communications in Computer and Information Science, vol. 1759, pp-62-67, Springer, Cham. https://doi.org/10.1007/978-3-031-23092-9_6.

13. Roma Saxena and Akhtar Husain, "Fuzzy Based Hybrid Clustering using Dual Cluster Heads(FHCDCH) for Wireless Sensor Networks" Advancements in Smart Computing and Information Security, ASCIS 2023 at Second International Conference, Rajkot, India, December 08–09, 2023(Communicated).

(k)Memberships of Academic/Professional Bodies

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

(m)International Academic Exposure

(n)Any Other Details

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Signature of Faculty Member