



## Faculty Profile on University Website

www.mjpru.ac.in

Title	Dr.	First Name	Vinay	Last Name	Rishiwal	Photograph			
Designation	Assistant Professor								
Department	Computer Science and Information Technology								
Address	Department of CS&IT, IET, MJP Rohilkhand University, Bareilly, UP, India.								
(Campus)									
(Residence)									
Phone No	+915812524232 (O)								
(Campus)									
(Residence)	+919412149229								
Mobile	+919412149229								
Fax	+915812520310								
Email	<a href="mailto:vrishiwal@mjpru.ac.in">vrishiwal@mjpru.ac.in</a> , <a href="mailto:vianyrishiwal@gmail.com">vianyrishiwal@gmail.com</a>								
Web-Page	www.mjpru.ac.in								
Educational Qualifications (Graduation Onwards)									
Course/Degree	Institution			Year	Details/Thesis Topic/Subjects				
Ph.D. (Computer Science and Engineering)	Gautam Buddh Technical University, Lucknow.			2011	Thesis topic: Study and Analysis of Some QoS Routing Issues in Mobile Adhoc Networks				
B.E. (Computer Science and Engineering)	SRMS College of Engineering and Technology, Bareilly			2000	Subjects: computer Science and Engineering.				
Career Profile									
Organization / Institution		Designation		Duration		Role			
Department of CS &IT, IET, MJP Rohilkhand University, Bareilly.		Asst. prof. (Senior Scale)		28.09.2008-till date		Teaching and Research			
Department of CS &IT, IET, MJP Rohilkhand University, Bareilly.		Lecturer		28.09.2002-27.09.2008		Teaching and Research			
Rakshpal Bahadur Management Institute, Bareilly		Lecturer		2001-2002		Teaching and Research			
Research Interests / Specialization									
QoS Routing Issues in Advance Wireless Networks ( MANETs, VANETs and WSN)									
Teaching Experience (Subjects/Courses Taught)									
≈ 15 Years (Computer Networks, Data Communication, Theory of Computation etc.)									
Honors & Awards									
<ul style="list-style-type: none"> <li>➤ Core Member, TEQIP II Project, MHRD: Rs. 10 Crores (100 Million).</li> <li>➤ UGC sponsored project on “Performance Improvement of Secret Image Sharing Schemes,”(duration 02 years started in 2012) – <b>Status: Completed</b></li> <li>➤ Recognized in the list of who is who in the world (as a Researcher) by Marquis Society, USA.</li> <li>➤ Nominated among 2000 intellectuals by Cambridge, United Kingdom.</li> <li>➤ Got the Best Paper Award in IEEE Conferences Twice</li> </ul>									
Publications /Academic Activities (Numbers Only)									
Books & Monographs (Single Author)	-	Research Papers Published in International Journals	23	Papers Presented in Seminars/ Conferences	37	Seminars/ Conferences Organized	04	Research Projects (Completed)	01

<b>Books (Co-authored)</b>	-	<b>Research Papers Published in Other Journals</b>	-	<b>Seminar/ Conferences Attended</b>	27	<b>Workshops Organized</b>	03	<b>Research Projects (Ongoing)</b>	-
<b>Books (Edited)</b>	-	<b>Articles Published in Popular Fora, e.g., Websites, Blogs, Newspapers, Magazines etc.</b>	-	<b>Sessions Chaired in Seminars/ Conferences</b>	05	<b>Membership of Academic/ Professional Bodies</b>	07	<b>Foreign Countries Visited for Academic Assignments</b>	02
<b>Chapters in Edited Books</b>	2		<b>Resource Lectures Delivered</b>	25					

Details of Publications /Academic Activities (2010 Onwards)				
(a) Books / Monographs				
Year of Publication	Title	Publisher	ISBN	Co-Author (s) (if any)
(b) Papers Published in Indexed/ Peer Reviewed Journals				
Year of Publication	Title	Journal	ISSN/ Indexing	Co-Author (s) (if any)
2016	Energy consumption Pattern and Scalability of Routing Protocols for Heterogeneous MANETs (accepted)	IJCND	1754-3924	Mitul Yadav, Sandeep Agarwal
2015	Traffic and Congestion Free Routing in MANETs	IJATES	2348-7550	Manoj Rana, R. K. Singh
2015	An Automated Data Driven Continuous Testing Framework	IJATES	2348-7550	Sonu Lamba, Arjun Rana
2015	Panorama of Reactive Adhoc Routing Protocols to Energy Richness and Scalability Support	IJATES	2348-7550	Shalini Kushwaha, Deepak Chaudhary
2014	Investigation of Cluster based Adhoc Routing Protocols	InRoads: An International Journal	2277-4912	Akanksha Singh, Mitul Yadav
2014	Impact of Network Size and Traffic to Adho Routing Protocols over Different IDM Models in VANETs	InRoads: An International Journal	2277-4912	Lalit Sagar
2014	An Improved Image Sharing Scheme for Color Images	InRoads: An International Journal	2277-4912	Ashwani Gupta
2013	Effect of Node Mobility and Traffic on Energy Consumption Behavior of Adhoc Routing Protocols	IJCA	0975-8887	Shalini Kushwaha, Mitul Yadav
2012	Routing in Wireless Adhoc Networks	IJIPT/ Thomson Reuters	1743-8217	Mano Yadav
2012	Study of On Demand Adhoc Routing Protocols	IJEIR	2277-5668	Mano yadav, K. V. Arya
2012	Cloud Computing and Service Oriented Architecture	IJRTE	2277-3878	Roopali goel
2011	Improved Ant Colony Optimization Technique for Mobile Adhoc Networks	LNCS	0302-9743	Mano yadav, K. V. Arya
2010	Quality of Service Routing in Adhoc Wireless Networks	IJCS: INFOCOMP	1807-4545	Mano Yadav
2010	Finding Optimal paths on Terrain Maps Using Ant Colony Optimization Algorithm	IJCTE	1793-8201	Mano yadav, K. V. Arya
2009	QoS Based Power Aware Routing in MANETs	IJCTE	1793-8201	S. Verma, S. K. Bajpai
2009	Power Aware Routing in Adhoc Wireless Networks	IJCS&T	1860-4749	Mano yadav, S. Verma, S. K. Bajpai
2009	Routing in Wireless Adhoc Networks: A New Horizon	JOC	2151-9617	Mano Yadav, K.V. Arya
2009	Modified Minimum Conneted Domination Set formation for Adhoc Wireless Networks	JOC	2151-9617	Mano Yadav, G. Arora, S. Makka
2008	Analysis of Energy Consumption Pattern for On Demand Adhoc Routing Protocols	IJCSNS	1738-7906	S. Verma
2006	Backbone Nodes Based Stable Routing in Mobile Adhoc Networks	UBICC	1994-8424	A Kush, S. Verma

(c) Articles

(d) Seminar/Conference Presentations

**INTERNATIONAL CONFERENCES**

**2016**

1. Vinay Rishiwal et al., "Analysis of Adhoc Routing Protocols: A Retrospective View," accepted in IEEE ICACCA 2016.
2. Vinay Rishiwal, Sandeep Agarwal and Mano Yadav, "Performance of AODV Protocol for H-MANETs," accepted in IEEE ICACCA 2016.
3. Anupama Sharma, Abhay Bansal, Vinay Rishiwal, "QoS Framework for Information Measure Management on Mobile Ad-hoc Network," Proc. IEEE International Conferences, confluence 2016, 2016.

**2015**

4. Mitul Yadav, Vinay Rishiwal, Omkar Singh, "Behavior of Adhoc Routing Protocols for H-MANETs," Proc. of SIST series Springer (Scopus Indexed), 2015.
5. Vinay Rishiwal, Mitul Yadav and Shalu Maurya, "Energy behavior of Reactive protocols for H-MANETs," Proc. ICNGCCT, pp. 124-127, 2015 (**received Best Paper Award**).

**2014**

6. Sandeep Agarwal, Vinay Rishiwal and K. V. Arya, "Rendering the behavior of routing protocols for diverse mobility patterns in Energy Constrained Large Adhoc Networks," Proc. IEEE International Conference ICIS 2014, pp. 1-6, 2014.
7. Anupama Sharma, Abhay Bansal, Vinay Rishiwal, "Assessment of QoS based Multicast Routing Protocols in MANETs," Proc. Confluence 2014, pp. 421-426, 2014.
8. K. V. Arya and Vinay Rishiwal, "An Efficient Half-tone Visual Secret Sharing Scheme," Proc. IEEE International Conference ICIS 2014, pp. 1-5, 2014.
9. Ankita Saxena, Vinay Rishiwal and Amit Doegar, "Futuristic Vision for Efficient Image Secret Schemes," Proc. IEEE International Conference on Soft Computing Techniques for Engineering and Technology (ICSCCTET-2014), pp. 90-91, 2014.
10. Vinay Rishiwal, Sandeep Agarwal and Mano Yadav, "Recital of AODV Protocol for Energy based Heterogeneous Adhoc Network," Proc. IEEE International Conference on Soft Computing Techniques for Engineering and Technology (ICSCCTET-2014), pp. 92-93, 2014.
11. Sandeep Agarwal, Akanksha Singh and Vinay Rishiwal, "Patterning the Energy Behavior of Flat and Hierarchical Adhoc Routing Protocols, Proc. CONIAPS-14, IIIT Jabalpur, 2014.

**2013**

12. Sandeep Agarwal, Vinay Rishiwal and K. V. Arya, "Fallout of Different Routing Structure over Different Mobility Patterns for Large Adhoc Networks," IEEE Conference, Confluence 2013: The next generation Technology Summit, pp. 242-249, 2013.
13. Preeti, Vinay Rishiwal and Mohit Khandelwal, "Mobility Patterns in Adhoc Networks," International conference on Mobile and Embedded Technology (MECON-2013), pp. 306-310, 2013.

**2010**

14. Ashutosh Gupta, Vinay Rishiwal and Suneeta gupta, "Efficient Storage of Massive Biological Sequences in Compact Form," Springer Communication in Computer and Information Science Series, vol 95, no. 1, pp 13-22, 2010.

**2009**

15. Vinay Rishiwal, Nidhi Khurana, Mano Yadav, "Load Aware Routing in MANETs," *Proceedings of IEEE international conference on Advance Computing (IACC-09)*, 2009, pages: 1405-1409, 06-07 March, 2009.
16. Vinay Rishiwal, Mano Yadav et al., "Adhoc Routing using GPS enabled Nodes," *Proceedings of IEEE International Conference on Advance Computing (IACC-09)*, pages: 2146-2150, March 6-7, 2009.
17. A.Kush, Vinay Rishiwal and P. Gupta, "A New Protocol for Mobile Adhoc Networks with Virtual Backbone Nodes," *Proceedings IEEE international conference on Advance Computing (IACC-09)*,

organized by Thapar University, 2009, pages: 1594-1598, March 6-7, 2009.

## 2008

18. Vinay Rishiwal, Hirdesh Kumar et al., "Multiple Secret Image Sharing Scheme," *Third IEEE international Conference on Industrial and Information Systems, 2008 (ICIIS 2008)*, organized by IIT Kharagpur, page(s) 1-4, 2008.
19. Vinay Rishiwal and S.Verma, "QoS Based Pure Adaptive Routing in MANETs," *Proc. IEEE International Conference on Emerging Trends in Information Technology (icetet)*, pp. 228-233, 2008. (This Paper has been considered as *Best Paper* of the conference.)
20. Vinay Rishiwal, Mano Yadav, S.Verma, "Power Aware Routing to support Real Time Traffic in Mobile Ad hoc Networks," *Proceedings of IEEE Conference on Emerging Trends in Information Technology (ICETET'08)*, pp 223-227, July 16-18, 2008, Nagpur, India.
21. Vinay Rishiwal, A.Kush, S.Verma, "Stable and Energy Efficient Routing in Mobile Adhoc Networks," *Prococeeding of IEEE Computer Society, Fifth International Conf. on Information Technology: New Generations (ITNG'2008)*, April 07-09, 2008, Las Vegas, NV, USA, pp 1028-1033.
22. Vinay Rishiwal, S. Verma, Mano Yadav et al., "A Secure Routing Protocol for Wireless Ad hoc Networks," *Proc. International Conference and Workshop on Cryptology (Cryptology-2008)*, sponsored by IMR and MSCR Malaysia, pages: 218-227, June 09-12, 2008, Kuala Lumpur, Malaysia.
23. Vinay Rishiwal, Mano Yadav, K.V.Arya, "A Robust Secret Image Sharing Scheme," *Proc. of International Conference on Emerging Trends in Information Technology (ICETET'08)*, sponsored by IEEE, pp. 11-14, July 16-18, 2008, Nagpur, India.

## 2007

24. Vinay Rishiwal, S.Verma, "Energy Aware On Demand Routing for MANETs", *Proc. of IEEE Third International Conf. on Wireless Communication and Sensor Networks (WCSN-2007)*, Dec. 13-15, 2007, pp. 148-153.
25. A. Kush, Vinay Rishiwal, C. J. Hwang and, P.Gupta, "Routing Solution for Multiple Connections in Mobile Ad hoc Networks," *Proc. of International Conference on Wireless Networks (ICWN'07)*, Las Vegas, USA, June 25-28, 2007.
26. Vinay Rishiwal and S.Verma, "An Improved Route Discovery (IRD) Scheme for Reactive protocols in Mobile Ad hoc Networks," *Proc. of International Conference on Advances in Computer Vision and Information Technology (ACVIT-07)*, Sponsored by IEEE, pages: 211-217, Nov. 28-30, 2007, Aurangabad, Maharastra, India.
27. Vinay Rishiwal, S.Verma, "Connectivity Based Routing in Mobile Adhoc Networks," *Proc. 2<sup>nd</sup> International Conference on Advanced Computing and Communication Technologies (ICACCT-2007)*, Nov. 03-04, 2007, pp 373-375.

## 2006

28. Suvesh Kumar, Vinay Rishiwal, P.N.Joglekar, "Area Based Approach to Registration of SAR Images with Sub-pixel Accuracy," *In proc. of IEEE TENCON*, Hongkong section, pp 1-4, Nov 2006, Hongkong.
29. Suvesh Kumar, K V Arya, Vinay Rishiwal, P. N Joglekar, "Robust Image Registration Technique for SAR Images", *In Proc. of IEEE ICIIS*, Sri Lanka section, pp 519-524, August 08-11, 2006, Srilanka.

## 2003

30. Vinay Rishiwal, Brajesh Kumar, S.S.Bedi, "Re-routing Schemes for Connection Handoff in Wireless ATM Networks," *International Seminar on Success Mantras for IT Industry in Next Decade*, Oct 11, 2003, RBMI, Bareilly, India.

## NATIONAL CONFERENCES

### 2013

31. Sandeep Agarwal and Vinay Rishiwal, "Effect of Network Size on Random Way Point Model in MANETs," *National Conference on Recent Advances in technology and Engineering, 2013*.

### 2010

32. Vinay Rishiwal et al., "Effect of Simulation Area to the Node Termination Rate of Mobile Adhoc Networks," *Proc. National Conference on Advance Computing (NACAC-2010)*, 2010.

33. Vinay Rishiwal and Ashwani Gupta, "Directional Antenna Based MAC Prtocols for Wireless Adhoc Networks," Proc. National Conference on Advance Computing (NACAC-2010), 2010.

**2009**

34. Mano Yadav, Vinay Rishiwal et al., "Image Encryption Using Flipping Technique", *National conference on Advance Computing and Communication 2009*, organized by ITS Ghaziabad.

35. Vinay Rishiwal, Ankita Saxena, Divya Agarwal "Power Aware Routing algorithm in Mobile Ad hoc Networks," *Proc. of national seminar on Advances in Computer Science and Technology*, sponsored by TEQIP, organized by SRMS CET, Bareilly, UP, INDIA.

**2006**

36. Vinay Rishiwal, Brajesh Kumar, R.Singh, "Routing Challenges for Multiple Connection and Heterogeneous Environment in Mobile Ad hoc Networks," *NCCSIT proceedings*, sponsored by ISTE, March 18-19,2006, BBSBEC, Fatehgarh sahib, Punjab, INDIA.

**2005**

37. Vinay Rishiwal, Ruchir Gupta, Kazal Parixit, "Routing Issues for Trust Based Framework in Mobile Ad hoc Networks," *NCETCIT proceedings*, sponsored by ISTE, Feb 24-25, 2005, Nawanshahar, Punjab, INDIA.

**2004**

38. Vinay Rishiwal, Brajesh Kumar, "A critical review of Zone Routing Protocol," *National seminar on Networking and Data Ware Housing*, April 24, 2004, KCMT campus Bareilly, UP, INDIA.

**2003**

39. Vinay Rishiwal, Vidyut Gupta, "Compencrystag: An Efficient and secure Communication Scheme," *National Seminar on Emerging Trends in Information Technology*," Sept, 20-21, 2003, IIMS, UP, INDIA.

**(e) Resource Lectures Delivered**

Sr. No.	Title of Lecture / Academic Session	Title of Conference / Seminar etc	Organized by	Whether international /National
1.	Engineering in India: A number Soar/2016	IEEE Women in Engineering Symposium 19-20 February, 2016	IEEE and Tulas Institute, Dehradun	International
2.	Cooperative Communications for Mobile Ad Hoc and Sensor Networks	International conference on System modeling and advancement in research trends (SMART) 20-21 November, 2015	TMU Moradabad.	International
3.	Make in India and Start Up Programs/2015	Seminar on Recent Industry Trends, 20 September 2015	Sun College Shahjahanpur	National
4.	Research Aspects in Wireless Adhoc Networks/2015	Faculty Development Program (FDP) on "Recent Advancement and Challenges in Mobile Computing, 11-12 June 2015.	ITS Ghaziabad	National
5.	Security Threats in Cloud Computing/2015	Conference on Advances in Computing and Communication Engineering (ICACCE-2015), May 01-02, 2015.	IEEE and Tulas Institute Dehradun	International

6.	Adhoc Networking: Future Perspectives/2014	International Conference on Soft Computing Techniques for Engineering and Technology (ICSCTET-2014) August 7-8, 2014	IEEE and Graphic Era University Bhimtal.	International
7.	Communication Era: Challenges and Way-out/2014	National Seminar on New Dimensions of Communication : Opportunities and Threats, 18 May 2014	SSPG college Shahjahanpur in association with UP Chapter, ICA	National
8.	Research Trends in Mobile Adhoc Networks/2014	National Seminar on "Communication, Networks & Computing (CNC-2014)" from 23 <sup>rd</sup> January to 24 <sup>th</sup> January, 2014	ITM University, Gwalior	National
9.	Routing challenges to Advance Wireless Networks/2013	Emerging Trends and Research Aspects on 3G wireless communication, 29.05.13 to 11.06.13.	ITS Ghaziabad and Sponsored by AICTE	National
10.	Handful working of Bonn motion and NS-2 Simulators /2013	Emerging Trends and Research Aspects on 3G wireless communication, 29.05.13 to 11.06.13.	ITS Ghaziabad and Sponsored by AICTE	National
11.	Research Aspects in MANETs and VANETs	Emerging Research Trends in Engineering and Technology, 17.03.13 to 23.03.13.	IFTM Moradabad and Sponsored by TEQIP	National
12.	Routing Strategies in MANETs/2012	20.11.2012	ABV-IIIT Gwalior	National
13.	Writing TCL, Analyzing Trace Files, Applying AWK Scripts and generation of different Mobility Models for MANETs/2012	21.11.2012	ABV-IIIT Gwalior	National
14.	Energy Management in Mobile Adhoc Networks/2012	Faculty Development Program on "Parallel & Distributed Computing" 15-19 Feb, 2012	Department of CS & IT, FET, MJP Rohilkhand University, Bareilly	National
15.	Cloud Computing: A Modular Approach to Deliver IT Service/2012	Faculty Development Program on "Parallel & Distributed Computing" 15-19 Feb 2012	Department of CS & IT, FET, MJP Rohilkhand University, Bareilly	National
16.	Ambient System and Technology (Chaired a Session)/2011	National Conference on Ambient System and Technology	BBDIT, Ghaziabad	National
17.	Issues and Challenges in Adhoc Routing Challenges/2010	Faculty Development Program on "Trends & Advances in Wireless, Digital	ITS Ghaziabad	National

		Communication and Next Generation Networks” 4-6 Aug 2010		
18.	Creation of Nodes, Links and Networks using AODV protocol on NS-2/2010	Faculty Development Program on “Trends & Advances in Wireless, Digital Communication and Next Generation Networks” 4-6 Aug 2010	ITS Ghaziabad	National
19.	Working of Reactive Routing Protocols in MANETs	Faculty Development Program on “Current Trends in Wireless Communication” 16-17 May 2011	KIET Ghaziabad	National
20.	Implementation of Adhoc Routing Schemes in NS-2	Faculty Development Program on “Current Trends in Wireless Communication” 16-17 May 2011	KIET GHaziabad	National
21.	Variants of Mobile Adhoc Networks	UGC Refresher Course in Computer science and IT (ID), 24 Dec 2011	JAMMU University Jammu	National
22.	Research Aspects in MANETs and VANETs	UGC Refresher Course in Computer Science and IT, 24 Dec 2011	JAMMU University Jammu	National
23.	Adhoc Networking with Ambience	National Conference on Ambient System and Technology	BBDIT Ghaziabad	National
24.	Review of Zone Routing Protocol	National Conference	KCMT, Bareilly	National
25.	Teaching Assessment and Evaluation	National Conference on Teaching Assessment and Evaluation, 25-26	UP Self finance B.Ed association and merchant association KANPUR	National

**(f) Seminars/Conferences/Workshops Organized**

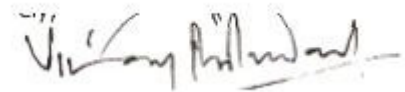
S. No.	Seminar/conference/workshop	Role
1.	National Conference on “Advancements in Engineering Materials, 24th & 25th February, 2016	Convener
2.	Symposium on wavelets and its applications, 20-21 December, 2015.	Organizing Secretary
3.	International Conference on Academic Research in Engineering, Management and Information Technology (ICAREMIT-2015) FEBRUARY 21-23, 2015	Organizing secretary
4.	International Workshop on Bio Medical Imaging, 12-13 May 2012.	Coordinator
5.	FDP on Parallel and Distributed Computing, 15-19 February 2012.	Coordinator

**(g) Public Service / University Service / Consulting Activity**

Member, Board of Studies,  
Core member- TEQIP II  
Member UP (state level) Computer Science Syllabus Committee  
Member for preparing CBCS in university campus  
Member for computerized central library update



Member, B.Tech Counseling Convener - Convivial Club (a student club)
<b>(h) Memberships of Academic/Professional Bodies</b>
<ul style="list-style-type: none"> <li>➤ Senior IEEE Member ( <b>Membership Number : 92134039</b>)</li> <li>➤ <b>Member, ACM</b> (Membership number: 2703150)</li> <li>➤ Member IACSIT (Singapore), <b>Membership Number : 80332293</b></li> <li>➤ <b>Senior Member</b>, Universal association of Computer and Electronic Engineers (UACEE), <b>SNM-1003560</b>.</li> <li>➤ Member, <b>Machine Intelligence Research Lab</b>, USA.</li> </ul>
<b>Projects (With Title, Year, Grants, Funding Agency and Collaborations)</b>
Performance improvement of secret image sharing schemes, 2012-14, 1,10,000/=, UGC
<b>Administrative Positions/Assignments Held</b>
Proctor
<b>Academic Foreign Visits</b>
Dubai- ICNGCCT 2015 (22-23 April 2015) Malaysia- CRYPTOLOGY 2008 (09-12 June 2008)
<b>Any Other Details</b>
<ul style="list-style-type: none"> <li>➤ Currently supervising one PhD Thesis..</li> <li>➤ Reviewer of Many peer reviewed International Journals and conferences.</li> </ul>



(Dr. Vinay Rishiwal)