



# Curriculum Vitae

## Vinay Rishiwal

Title	Dr.	First Name	Vinay	Last Name	Rishiwal	
Designation	Asst. Professor					
Department	Computer Science and Information Technology					
Address	Department of CS&IT, IET, MJP Rohilkhand University, Bareilly, UP, India.					
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Education						
Subject	Institution		Year	Details		
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						
Organisation / Institution		Designation	Duration	Role		
Department of CS &IT, IET, MJP Rohilkhand University, Bareilly.		Asst. prof.	9.3 Years (2002-till date)	Teaching and Research		
Rakshpal Bahadur Management Institute, Bareilly		Lecturer	1.1 Year (2001-2002)	Teaching and Research		
Research Interests / Specialization						
QoS Issues in Mobile Adhoc Networks, Secret Image Sharing Schemes						
Teaching Experience ( Subjects/Courses Taught)						
<b>≈ 10 Years</b> <b>(Advance Computer Networks, Data Communication, Theory of Computation, Discrete Mathematics etc.)</b>						
Honors & Awards						
<ul style="list-style-type: none"> <li>➤ <b>Recognized in the list of Who is Who in the world (as a Researcher) by Marquis Society, USA.</b></li> <li>➤ <b>Got the Best Paper Award in IEEE Conferences Twice</b></li> </ul>						
Publications (LAST FIVE YEARS)						
<b>Journals : 11, International Conferences: 16, National Conferences : 06</b>						

## Journals

1. Vinay Rishiwal and Mano Yadav, "Quality of Service Routing in Adhoc Wireless Networks," *International Journal of Computer Science: INFOCOMP*, vol 9, no. 3, pp. 10-19, sept 2010.
2. Mano Yadav, Vinay Rishiwal, and K. V. Arya, "Improved Ant Colony Optimization Technique for Mobile Adhoc Networks," *Springer Lecture Notes in Computer Science (Communication in Computer and Information Science Series)*, vol. 131, pp 1-13, 2011.
3. 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.
4. Mano Yadav, Vinay Rishiwal and K.V. Arya, (2011) "Energy Consumption Pattern of Adhoc Routing Protocols based on Node Mobility and Traffic, *International Journal of Computer Application* (impact factor 0.83). **(Communicated)**
5. Mano Yadav, Vinay Rishiwal and K. V. Arya (2011), "Routing in Wireless Adhoc Networks: A Survey," *International journal of Internet protocol and technology*, Inderscience. **(Communicated)**
6. Vinay Rishiwal, Shekhar Verma and S. K. Bajpai (2009), "QoS Based Power Aware Routing in MANETs," *International Journal of Computer Theory and Engineering (IJCTE)*, vol. 1, no. 1, pp. 47-54, Singapore.
7. Vinay Rishiwal, Mano Yadav, S. Verma and S. K. Bajpai (2009), "Power Aware Routing in Adhoc Wireless Networks," *International Journal of Compute Science and Technology*, vol. 9, no. 2, pp. 101-109, Argentina.
8. Mano Yadav, Vinay Rishiwal and K.V. Arya, "Rouitng in Wireless Adhoc Networks: A New Horizon," *International Journal of Computing USA*, vol 1. no.1, pp. 204-209, USA.
9. Vinay Rishiwal, Mano Yadav and K. V. Arya, "Finding Optimal paths on Terrain Maps Using Ant Colony Optimization Algorithm," *International Journal of Computer Theory and Engineering*, vol 2, no. 3, pp 416-419, 2010.
10. Vinay Rishiwal, Shekhar Verma and S. K. Bajpai (2009), "On Demand Routing with Active Routes," accepted to *International Journal of Computer Science and Applications, IJCSA*, (Under Second Review), Canada.
11. Mano Yadav, vinay rishiwal, G. Arrora and S. Makka, "Modified Minimum Conneted Domination Set formation for Adhoc Wireless Networks," *International Journal of Computing, USA*, vol. 1, no. 1, pp. 200-203.
12. Vinay Rishiwal and Shekhar verma (2008), "Analysis of Energy Consumption Pattern for On Demand Adhoc Routing Protocols," *International Journal of Computer Science and Network Security (IJCSNS)*, vol. 8, no. 11, pp. 429-435, South Korea.
13. Vinay Rishiwal, A. Kush and Shekhar Verma (2006), "Backbone Nodes Based Stable Routing in Mobile Adhoc Networks," *International Journal of Ubiquitous Computing and Communication (UBICC)*, vol. 2, no. 3, pp. 1-5, South Korea.

## Conferences

14. 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.
15. 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.
16. 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.
17. 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.
18. 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.)
19. 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.
20. 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.
21. 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.
  22. 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.
  23. 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.
  24. 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.
  25. 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.
  26. 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.
  27. 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.
  28. 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.
  29. 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.
  30. Mano Yadav, Vinay Rishiwal et al., "Image Encryption Using Flipping Technique", *National conference on Advance Computing and Communication 2009*, organized by ITS Ghaziabad.
  31. 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.
  32. 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.
  33. 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.
  34. 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.
  35. Vinay Rishiwal, Vidyut Gupta, "Compencrystag: An Efficient and secure Communication Scheme," *National Seminar on Emerging Trends in Information Technology*, Sept, 20-21, 2003, IIMS, Bareilly, UP, INDIA.

#### Other Details

- Reviewer of Many peer reviewed International Journals.
- IEEE Member ( **Membership Number : 92134039** )
- Member IACSIT (Singapore), **Membership Number : 80332293**
- Reviewer of many IEEE international conferences.
- Project In charge and Sports In Charge (Department)
- Member of various committees of the university, like sports, website, BOS, Internet, Etc.
- **Attended** and **delivered** the lectures in the various Workshops and STPs on different Computer Science areas, organized by TQIP programme of AICTE and UGC refresher courses.

*Vinay Rishiwal*