



Shaheed Rajguru College of Applied Sciences for Women
University of Delhi
Faculty Profile

Name	Dr. Aakanksha	
Designation	Associate Professor	
Email	aakanksha.1@rajguru.du.ac.in	
Degree	Institution	Year
Ph.D.	University of Delhi	2014
M.Phil.	MKU	2008
M.Tech.	AAIDU	2007
M.Sc.	Banasthali Vidyapith	1999
B.Sc.	Banasthali Vidyapith	1997
• Advance Diploma in German Language		
Areas of Interest / Specialization -		
Cyber Security and Computer Networks, Computer System Architecture, Java Programming, Unix Network Programming		
Association with Professional Bodies		
Member, IEEE		
Publications Profile		
Papers Published in International Journals		
- Aakanksha, Jain, K., Giri, N., & Gupta, A. (2025). Assessing Vulnerabilities in Voice Assistants: Comparative Analysis of Google Assistant, Siri, and Alexa. <i>Advances in Knowledge-Based Systems, Data Science and Cybersecurity Research</i> 2(1):197-214. DOI: https://dx.doi.org/10.54364/cybersecurityjournal.2025.1110 - Aakanksha, Sharma, R., Shrivastava, S., & Singh, S. (2025). The Influence of Artificial Intelligence on Students' Creativity: Perspectives and Perceptions. <i>Journal of Artificial Intelligence and Autonomous Intelligence</i>, 2 (1), 197-215. DOI: https://dx.doi.org/10.54364/JAIAI.2024.1114 - Aakanksha, Dwivedi, S., Sonia & Sharma, R. (2025). Artificial Intelligence Powered Cyber Attacks. <i>International Journal of Innovation and Multidisciplinary Research (IJIAMR)</i>, 5 (1), 8-13.		

- Bhasin, V., Aggarwal, S., Aggarwal, G., & Aakanksha (2025). Suicide data analysis using multi-criteria decision-making. *Journal of Information and Optimization Sciences*, 46:4-A, 1013–1030. <https://doi.org/10.47974/JIOS-1888>.
- Aakanksha, Deore, A., Bhasin, V. (2025). Assessing Cybersecurity Vigilance Among End Users of AI Based Social Media Apps. *Journal of Artificial Intelligence and Autonomus Intelligence*, 2 (2):246-263
- Aakanksha, Jha A., Anam (2024). A Brief Assessment of Mobile Security, Vulnerabilities and Threats in *International Journal of Innovation and Multidisciplinary Research (IJIAMR)* Volume 4 Issue 3 2024 (pp.35-41) | ISSN 2583-4452
- Sharma, R., Aakanksha (2023). Moving from informal interaction to focused knowledge sharing among users in an agent-based learning environment in *International Journal of Advanced Research (IJAR)*, Vol. 11, Issue 11, pp: 1109-1124, <http://dx.doi.org/10.21474/IJAR01/17917>.
- Aakanksha, Sharma, S., Bisht, R., & Tiwari, T. (2023). Comparative Study of Traditional and Advanced Password Cracking Techniques used over the Internet in *International Journal of Innovation and Multidisciplinary Research (IJIAMR)*, Vol. 3, Issue 4, December 2023.
- Bedi, P., Aakanksha and Sharma, R. (2012). Trust and context view-based knowledge sharing in MANets in *International Journal of Trust Management in Computing and Communications*, ISSN online: 2048-8386, Inderscience Publishers, vol. 1, No. 1, 2012, pp. 85-103. (Indexed in Google Scholar)
- V. Aakanksha, Sharma R., Bedi P. (2014). Trusted and load-balanced Ant-based Routing in Mobile Ad-hoc Networks *IJAISC* 4(2/3): 195-211 (Indexed in DBLP, Google Scholar, Academic OneFile (Gale), ACM Digital Library, Expanded Academic ASAP (Gale))

Papers Published in International Conferences

- Aakanksha, Jain, B., Saxena, D., Sahni, D., & Sharma, P. (2019). Analysis of Hypertext Transfer Protocol and Its Variants. In *Smart Innovations in Communication and Computational Sciences* (pp. 171-188). Springer, Singapore.
- Aakanksha, Sachdeva, T., Garg, N., Digari, S., Kaira, H., Tiwary, S., Kaur, N., Goel, B., Naib, P., Jain, C., Jain, S. and Ranjan, S. (2017, October). Designing of an application for group-based coordination for information exchange in Ad-hoc networks. In *2017 International Conference on Computing and Communication Technologies for Smart Nation (IC3TSN)* (pp. 66-70). IEEE.
- Aakanksha, Bedi, P. (2012). Mobile Process Groups based Device/Service Discovery and Interoperability in MANets in *International Conference on Intelligent Systems Design and Applications (ISDA 2012)*, pp. 466-471. (Indexed in DBLP, Google Scholar)
- Aakanksha, Sharma, R. and Bedi, P. (2011). MPG_AbTR: Ant Based Trusted Routing in MANets Using Mobile Process Groups in *Proceedings of the International Conference on Soft Computing for Problem Solving (SocProS 2011)*, AISC (Springer), vol. 130, pp. 367-376.

(Indexed in DBLP, Google Scholar)

- Aakanksha, Bedi, P. (2011). MPG-STAR: Mobile Process Groups Based Secured and Trusted Routing for MANets in International Conference on Computational Intelligence and Communication Networks (CICN 2011), pp.549-553. (INSPEC Accession Number: 12461740, DOI: 10.1109/CICN.2011.118)
- Aakanksha, Bedi, P. (2010). MPG-TAR: Mobile Process Groups Based Trust Aware Routing Protocol for MANETs in International Conference on Advances in Recent Technologies in Communication and Computing (ARTCom 2010), pp.131-135. (INSPEC Accession Number: 11679392, DOI: 10.1109/ARTCom.2010.18)
- Aakanksha, Bedi, P. (2009). A Self-organizing Self-healing On-demand Loop-free Path Routing Protocol Using Mobile Process Groups for Mobile Ad-hoc Networks in International Conference on Advances in Recent Technologies in Communication and Computing, 2009. (ARTCom 2009), pp.396-400. (DBLP, Google Scholar)
- Aakanksha, Bedi P. (2007). Load Balancing on Dynamic Network Using Mobile Process Groups in International Conference on Advanced Computing and Communications, (ADCOM 2007), pp.553-558. (ACM Digital Library) DOI:10.1109/ADCOM.2007.27

Book Chapters

- Aakanksha, Bedi, P. (2013). Trustworthy Communication in Ad-hoc Networks. Book chapter in Managing Trust in Cyberspace, CRC Press, Taylor & Francis Group. (ISBN: 1466568445, 9781466568440)

Administrative Responsibilities

- **Admission Convener (2022-2023)**
- **Admission Co-convener(2014-2015)**
- **Member, IQAC (2014 -2015)**
- **Student Advisor (2016 -2017)**
- **Cisco Coordinator (Feb, 2016 to 2017)**
- **Committee of courses 2015-2017**
- **Hostel Warden (May 2016 to September 2017)**
- **Hostel Committee member (2014-2017)**
- **Member, NIRF steering committee(2015-2016)**
- **Member, College Research Committee (2015-2016)**
- **Deputy Superintendent Examination (2016-2017, 2022-2023)**
- **Member, Faculty of Mathematical Sciences (2021-2024)**
- **Member Committee of Post Graduate and Honours Courses(2015-2016)**
- **Teacher-in-charge (2009-2011, July 2013 to Dec 2013, 2016-2017, 2022-2024)**
- **Treasurer, Staff Association (2023-2025)**
- **Convener, Food Committee()**
- **Convener, Decoration Committee (2014-2015)**
- **Convener, Women Development Cell (2025-2026)**
- **NAAC criteria coordinator (2025-2026)**

