

### Faculty Profile

<b>Faculty Name</b>	Dr. Rashmi Singh
<b>Designation</b>	Assistant Professor
<b>Qualification</b>	PhD, MCA, BCA
<b>Email</b>	<a href="mailto:mandeep.mca@piet.co.in">mandeep.mca@piet.co.in</a>
<b>Area of Interest</b>	Software Engineering, Cryptography
<b>Work Experience (Total)</b>	
<ul style="list-style-type: none"> <li>• Teaching</li> </ul>	2 years 10 months
<ul style="list-style-type: none"> <li>• Research</li> </ul>	5 years 6 months
<ul style="list-style-type: none"> <li>• Industry</li> </ul>	
<ul style="list-style-type: none"> <li>• Others</li> </ul>	
<b>Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level</b>	Artificial Intelligence, Computer Oriented Numerical Methods, Computer Oriented Statistical Methods, CPF, advance programming in C++, Software Engineering
<b>Membership of Professional Bodies</b>	
<b>Research Publications</b>	08
<ul style="list-style-type: none"> <li>• Research Papers UGC-CARE</li> </ul>	3
<ul style="list-style-type: none"> <li>• Research Papers SCOPUS</li> </ul>	02
<ul style="list-style-type: none"> <li>• Research Papers WoS/SCI/ABDC</li> </ul>	
<ul style="list-style-type: none"> <li>• List of Publications</li> </ul>	<ul style="list-style-type: none"> <li>• Rashmi Singh and Vipin Saxena, “Fuzzy Rule Based Inference System for Implementation of Naval Military Mission”, International Journal of Computer Network and Information Security, (IJCNIS), (ISSN No. 2074-9090), Vol. 10, No.4, pp. 28-37, 2018.</li> <li>• Rashmi Singh and Vipin Saxena, “A New Ranking Based Fuzzy Approach for Fuzzy Transportation Problem”, Computer Modelling &amp; New Technologies, (ISSN No. 1407-5806), Vol. 21, No. 4, 2017.</li> <li>• Rashmi Singh and Vipin Saxena, “A New Data</li> </ul>

	<p>Transfer Approach Through Fuzzy Vogel’s Approximation Method”, International Journal of Advanced Research in Computer Science, (ISSN No. 0976-5697), Vol. 8, No. 3, 2017.</p> <ul style="list-style-type: none"> <li>• Rashmi Singh and Vipin Saxena, “Enhancement of the Level of Security in ATM Using Biometric Techniques” International Journal of Control Theory and Applications (0974-5572), Vol. 9, No. 21, pp.267-271, 2016.</li> <li>• Kenam Verma, Rashmi Singh and Vipin Saxena, “Security Authorization for MAC Address Under Distributed Environment”, International Journal of Computer Applications, (ISSN No. 0975-8887), Vol. 131, No.-12, pp. 21-24, 2015.</li> <li>• Narander Kumar, Rashmi Singh and Vipin Saxena. “Modeling and Minimization of Cyber Attacks Through Optimization Technique”, International Journal of Computer Applications, (ISSN No. 0975-8887), Vol. 99, No.-1, pp. 30-34, 2014.</li> <li>• Rashmi Singh and Vipin Saxena, “A Unified Modeling Language Model for Occurrence and Resolving of Cyber Crime”, In proceedings of Springer on Information Systems Design and Intelligent Applications. Advances in Intelligent Systems and Computing, Springer, New Delhi, Vol. 433, pp. 687-698, 2016.</li> </ul>
<b>Book and Chapter Publications</b>	
<ul style="list-style-type: none"> <li>• Books Authored published by International Publishers</li> </ul>	
<ul style="list-style-type: none"> <li>• Books Authored published by National Publishers</li> </ul>	
<ul style="list-style-type: none"> <li>• Publication of Chapter in Edited Books</li> </ul>	<ul style="list-style-type: none"> <li>• Rashmi Singh and Vipin Saxena, “A Unified Modeling Language Model for Occurrence and Resolving of Cyber Crime”, In proceedings of Springer on Information Systems Design and Intelligent Applications. Advances in Intelligent Systems and Computing, Springer, New Delhi, Vol. 433, pp. 687-698, 2016.</li> </ul>

<ul style="list-style-type: none"> <li>• Editor of Book by International Publishers</li> </ul>	
<ul style="list-style-type: none"> <li>• Editor of Book by National Publishers</li> </ul>	
<ul style="list-style-type: none"> <li>• Translation Work of Book</li> </ul>	
<ul style="list-style-type: none"> <li>• List of Book and Chapter Publications</li> </ul>	
<b>Patents</b>	
<ul style="list-style-type: none"> <li>• Published</li> </ul>	
<ul style="list-style-type: none"> <li>• List of published patent(s)</li> </ul>	
<ul style="list-style-type: none"> <li>• Filed</li> </ul>	
<ul style="list-style-type: none"> <li>• List of filed patent(s)</li> </ul>	
<b>PhD Guidance</b>	
<ul style="list-style-type: none"> <li>• Degree Awarded</li> </ul>	
<ul style="list-style-type: none"> <li>• Thesis Submitted</li> </ul>	
<b>M.Tech. Guidance</b>	
<ul style="list-style-type: none"> <li>• Degree Awarded</li> </ul>	
<ul style="list-style-type: none"> <li>• Thesis Submitted</li> </ul>	
<b>Research Project</b>	
<ul style="list-style-type: none"> <li>• List of Research project</li> </ul>	
<b>Consultancy</b>	
<ul style="list-style-type: none"> <li>• List of Consultancy</li> </ul>	
<b>Awards &amp; Honours</b>	
<ul style="list-style-type: none"> <li>• List of Awards &amp; Honours</li> </ul>	Acted as Judge in Smart India Hackathon, 2018
<b>Invited lectures / Resource Person/ paper presentation in Seminars/ Conferences/full paper in Conference</b>	
<ul style="list-style-type: none"> <li>• International (Abroad)</li> </ul>	

<ul style="list-style-type: none"> <li>• International (Within Country)</li> </ul>	<ol style="list-style-type: none"> <li>(1) Rashmi Singh and Vipin Saxena “Implementation of MAC Address Security Technique for the Distributed Computing Network System”, Presented in the International Conference on Modeling and Computing (ICMC-2014) organized by Babasaheb Bhimrao Ambedkar University, Lucknow UP, INDIA.</li> <li>(2) Rashmi Singh and Vipin Saxena “Evaluation of Sustainable Transportation System Using Fuzzy Logic”, International Conference on Science and Technology for Sustainable Future, Presented in 1<sup>st</sup> North India Science Congress (NISC-2018) on 10<sup>th</sup> &amp; 11<sup>th</sup> January 2018, Organised by Babasaheb Bhimrao Ambedkar University, Lucknow UP, INDIA.</li> <li>(3) Rashmi Singh and Vipin Saxena “A Brief Review on the Fuzzy Cryptosystem”, In proceedings of RDA’s 18<sup>th</sup> International Conference on “Sustainable Growth &amp; Innovation In The New Millennium – Frontier Global Issues and Challenges” (IC-SGINM), Organised by Research Development Association &amp; Research Development Research Foundation, Jaipur, Held on March 26 &amp; 27, 2016.</li> </ol>
<ul style="list-style-type: none"> <li>• National</li> </ul>	<ul style="list-style-type: none"> <li>• Rashmi Singh and Vipin Saxena, “Enhance The Level of Security in ATM Using Password With Biometrics”, Presented in National Conference on Mathematical Techniques in Engineering and Technology (MTET-2016), Organised by Babasaheb Bhimrao Ambedkar University, Lucknow, UP, INDIA.</li> <li>• Rashmi Singh and Vipin Saxena, “Security Algorithms For the Internet Protocol Address Transmitted on Wide Area Network”, Presented in National Conference on Recent Advances in Mathematics and Applications (NCRAMA-2014), Organised by Babasaheb Bhimrao Ambedkar University, Lucknow, UP, INDIA.</li> <li>• Rashmi Singh and Vipin Saxena “Solution of Transportation Problem Using Fuzzy Encryption”, Presented in 4<sup>th</sup> Lucknow Science Congress (LUSCON- 2017) on 3<sup>rd</sup> &amp; 4<sup>th</sup> March 2017, Organised by Babasaheb Bhimrao Ambedkar University, Lucknow UP, INDIA.</li> <li>• Rashmi Singh and Vipin Saxena “Optimization Techniques for Minimization of losses due to Cyber</li> </ul>

	Attack”, Presented in 3rd Lucknow Science Congress (LUSCON- 2015) on 31 <sup>st</sup> Oct. 2015, Organised by Babasaheb Bhimrao Ambedkar University, Lucknow UP, INDIA.
<ul style="list-style-type: none"> <li>List of published papers</li> </ul>	
<b>Organizing National Conference/ International Conference/ FDP/STTP</b>	
<ul style="list-style-type: none"> <li>List of Conference/FDP/STTP committee</li> </ul>	
<b>Social Contributions and Sports</b>	
<ul style="list-style-type: none"> <li>List of Social Contributions and Sports</li> </ul>	Helped migrant labors during COVID pandemic in 2020.