Faculty Profile

Name : Vimal Gaur

Designation : Reader

Qualifications : Ph.D(Pursuing),M.Tech(IT), B.Tech(CSE)

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Area of Interest/Specialization: Data Science, Internet of Things

Experience : 17 years

Key Publications

1. V. Gaur, R. Kumar. "Analysis of Machine Learning Classifiers for Early Detection of DDoS Attacks on IoT Devices" Arabian Journal for Science and Engineering, 2021, pp. 1-22.

Papers presented in Conferences

1. V. Gaur, R. Kumar. "GDH Key Exchange Protocol for Group Security Among Hypercube Deployed IoT Devices," in Mobile Radio Communications and 5G Networks, 2021. Lecture Notes in Networks and Systems, pp. 639-647. vol. 140. Springer, Singapore.

2. V. Gaur, D. Mehra, A. Aggarwal, R. Kumari, S. Rawat. "Quantum Key Distribution: Attacks and Solutions," in Proceedings of the International Conference on Innovative Computing & Communications (ICICC) 2020.

3. V. Gaur, R.K. Gujral, A. Mehta, N. Gupta, R. Bansal," Enhanced Digital Image Encryption Using Sine Transformed Complex Chaotic Sequence," in Proceedings of International Conference on Artificial Intelligence and Applications (ICAIA, 2021).

4. V. Gaur, B. Singh, M. Agrawal, Deepak, N. Mishra. "Estimation of Various Scalar Multiplication Algorithms in ECC," International Journal of Innovative Technology and Exploring Engineering (IJITEE), vol. 8(6S), pp. 183-186, April 2019.

5. V. Gaur, A. Singh, A. Chaturvedi. "Authentication using a Combination of Color Scheme and Musical Notes", International Journal of Engineering Research & Technology (IJERT), vol. 5(10S), ISSN: 2278-018, Feb 2017.

6. S. Chowdhary, V. Sharma, AB. Patki, V. Gaur." Role And Scope of Support Vector Machine in Bioinformatics" INDIACom – 2010, New Delhi, 25th – 26th, Feb 2010.

7. S. Chowdhary, S. Joshi, T. Patki, V. Sharma, A. Chowdhary, AB. Patki, V. Gaur. "Cyber Crime Management Using Evidence Based Software Engineering–Banking and Insurance Industries," INDIACom – 2010, New Delhi, 25th – 26th, Feb 2010.

Patent/Copyright

1. V. Gaur, R. Kumar, A. Aggarwal, M. Chhabra," A system of two level model for early detection of DDOS attacks on IOT devices using optimal feature selection and machine learning classifiers," Intellectual Property India.

Other Contributions

1. Received Excellence in Branch Counseling Award from Delhi Section IEEE for Outstanding Service in 2011 as the Branch Counselor of MSIT, Janakpuri.

2. Received certificate of merit for guiding a project entitled "Empirical Evaluation of Hausdroff Distance for Image Matching" and secured third position in Inter College Project Competition for affiliated engineering institutes of GGSIPU held on 17 May, 2012.

3. IEEE Branch Counselor: Dec, 2010- April, 2013.

4. NBA (National Board Accreditation) Incharge at Department Level: Aug, 2015- July, 2018.

5. IQAC Member: Aug 2018- Till date