Faculty Profile

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Teaching Areas: Web Technology, Data Structure, C Language, OOPs, Data Communication, Network Security.

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Education:

- Doctor of Philosophy (Ph.D.) in Computer Application, NIT Raipur C.G.
- Master of Philosophy (M. Phil) in Computer Science & IT, Pt Ravishankar Shukla University Raipur C.G.
- Master of Computer Application, MITS Gwalior M.P.
- Bachelor of Computer Application, Jiwaji University Gwalior M.P.

Research / Selected Publications :(SCIE: 03, Scopus: 04, conference: 02, Book Chapter: 01)

- Chauhan, P. & Atulkar, M. (2023). An efficient centralized DDoS attack detection approach for Software Defined Internet of Things. Journal of Supercomputing, 79(9), 10386–10422. (SCI Indexed, Published).
- Chauhan, P. & Atulkar, M. (2022). DDoS attack detection In software defined Internet of Things using unsupervised learning approach, Journal of Harbin Institute of Technology. 54(12), 122-133, (Scopus indexed, Published).
- Chauhan, P. & Atulkar, M. Ryu Controller based Attack Detection and Mitigation Method in Software Defined Internet of Things, International Journal of Engineering Trends and Technology (Scopus indexed, Published, Jul-2023).
- Chauhan, P. & Atulkar, M. (2020). Achieving Enhanced Network Performance in UDP and TCP Traffic of Software Defined Networking by Selecting Java Based Controllers Decisively, International Journal of Innovative Technology and Exploring Engineering, 9(7), 268-274 (Published).
- Chauhan, P. & Atulkar, M. An Efficient Attack Detection Approach for Software Defined Internet of Things using Jaya Optimization based Feature Selection Technique, International Journal of Communication Networks and Distributed Systems (Published) [Inder science].
- Chauhan, P. & Atulkar, M. A Secured SD-IoT through Edge Computing using Jaya Algorithm based Feature Selection approach and Classification, Journal of Parallel and Distributed Computing (SCI indexed) [Elsevier].
- Chauhan, P. & Atulkar, M. An ensemble edge computing approach for SD-IoT security using ensemble of feature selection methods and classification, Arabian Journal for Science and Engineering (SCI indexed) [Springer].
- Chauhan, P. & Atulkar, M. Selection of Tree Based Ensemble Classifier for Detecting Network Attacks in IoT. 2021 International Conference on Emerging Smart Computing and Informatics (ESCI), 770-775, April 2021, Pune, India. (Published).
- Chauhan, P. & Atulkar, M. A Framework for DDoS Attack Detection in SDN-Based IoT Using Hybrid Classifier. in Lecture Notes in Electrical Engineering, vol. 946, pp. 889–900, November 2021, Raipur, India. (Published).
- Chauhan, P. & Atulkar, M. An efficient LGBM based DDoS attack Detection Approach for SD-IoT, IEEE International Students' Conference on Electrical, Electronics and Computer Science, SCEECS, 1-10, February 2023, Bhopal, India. (Published).