Name	: **Dr. Ashutosh**
Designation	: Assistant Professor
Department	: Computer Applications(BCA & PGDCA)
Qualification	: Ph.D(Computer Applications)
Phone	: +91-9418043257
Email ID	: Chaudhary.r7@gmail.com
Date of Birth	: 08-11-1985
Joining Date	: 01-12-2016

Specialization

Wireless Networks

Educational Qualification

Name of the Degree	Year of Passing	Institute/University
PHD	2024	CT University, Ludhiana
MCA	2009	I.K Gujral Punjab Technical University, Jalandhar
B.SC(NM)	2006	Himachal Pradesh University, Shimla

Teaching Experience

Position Held	Department And Organization	From	To	Total Experience
Assistant Professor	Department of Computer Applications(BCA & PGDCA), M.P. Govt. College Amb	01-12-2016	At Present	8

Research Experience

Research Interests : Routing Protocols, Performance Evaluation, NS2 Simulation, Defence Mechanism, Data Security, Fraud Detection in Wireless Network, VANET.

Brief Research Profile : During my research i worked on comprehensive investigation examines the repercussions of black hole attacks on the Ad Hoc On-Demand Distance Vector (AODV) protocol across diverse network configurations Through an extensive analysis of end-to-end delay, packet delivery ratio (PDR), and throughput, we scrutinize the impact of these attacks on network communication efficiency. Our findings reveal a consistent trend of degraded network performance across all setups, with the severity increasing as network sizes expand.

So, the effects vary based on the number of nodes within the network. Furthermore, our investigation into detection mechanisms reveals their potential for mitigating the impact on PDR, with significant improvements observed in certain scenarios. Further avenues for future exploration include examining more sophisticated attack scenarios, integrating machine learning techniques into anomaly detection for improved security, and conducting real-world validations to translate findings into actionable strategies.

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Journal Publications

Year	Journal	Author(s)	Publication	Indexing
2022	NeuroQuantology	Ashutosh and Dr. Harmeet Singh	"Defence mechanism for Data Security and Fraud Detection in Wireless Network"	Scopus
2023	Journal of the Oriental Institute M.S. University of Baroda	Ashutosh and Dr. Harmeet Singh	"Review study on Dfence mechanism for Data Security and Fraud Detection in Wireless Network"	UGC CARE

Conference Publications

Year	Conference	Author(s)	Title	Indexing
2023	International Conference on Multidisciplinary research in Artificial Intelligence Reforming Society & Law	Ashutosh and Dr. Harmeet Singh	"Enhancing Data Security and Fraud Detection in wireless networks using Metaheuristic Algorithms"	
2023	International, Conference on Recent Developments in Mathematical Sciences, Artificial Intelligence & Machine Learning	Ashutosh and Dr. Harmeet Singh	"Estimating the Parameters in Data Security and Fraud Detection in Wireless Networks"	

Date :

Place :   **Signature**