

Bio-data



Dr. Gopal Singh

Professor

Department of Computer Science & Applications

MAHARSHI DAYANAND UNIVERSITY ROHTAK-124001

HARYANA, INDIA

Name	Dr. Gopal Singh	
Designation	Professor	
Faculty	Physical Sciences	
Department	Computer Sc. & Applications	
Educational Qualifications	MCA, M.Tech.(CS), M.Phil.(CS), Ph.D.(CSE)	
Teaching/Research experience	18 Years	
Contact Details	Mobile No.	9896882065
	Email id	gsbhoria@gmail.com , gsbhoria.dcsa@mdurohtak.ac.in

1. Details of Research Achievements

RESEARCH PAPERS/ARTICLES PUBLISHED

S. No.	Year	Particulars / Details	Link to Article Indexing: SCI/Scopus	Impact Factor (if any)
1.	2025	A novel DPREDE model for optimizing demand-side power management in smart home	https://doi.org/10.1007/s13748-025-00364-1	2.4
2.	2025	Enhancing Smart Home Energy Efficiency Using a Hybrid Genetic Algorithm and Improved Dandelion Optimizer	https://doi.org/10.1007/s44196-025-01076-z	3.3

3.	2025	Dynamic appliance scheduling and energy management in smart homes using adaptive reinforcement learning techniques	https://doi.org/10.1038/s41598-025-08125-9	3.9
4.	2025	Elevating Cloud Security with Advanced Trust Evaluation and Optimization of Hybrid Fireberg Technique	https://doi.org/10.1049/sfw2/3296533	1.6
5.	2024	A max-max parametric demand response scheduling algorithm for optimizing smart home environment.	DOI: http://doi.org/10.11591/ijece.v14i6.pp6478-6485	
6.	2024	Hybrid Optimization Machine Learning Framework for Enhancing Trust and Security in Cloud Network	DOI: https://doi.org/10.1109/access.2024.3520665	3.4
7.	2024	A hybrid machine learning model with self-improved optimization algorithm for trust and privacy preservation in cloud environment	DOI: https://doi.org/10.1186/s13677-024-00717-6	3.7
8.	2024	Enhancing cloud network security with a trust-based service mechanism using k-anonymity and statistical machine learning approach	DOI: https://doi.org/10.1007/s12083-024-01759-y	3.3
9.	2023	NRPredictor: an ensemble learning and feature selection based approach for predicting the non-reproducible bugs	DOI: https://doi.org/10.1007/s13198-023-01902-7	1.6
10.	2023	An optimized framework of the integrated renewable energy and power quality model for the smart grid	DOI: https://doi.org/10.1155/2023/6769690	1.9
11.	2023	Optimization Technique in Smart Home Environment: A Systematic Review	DOI: https://ijisae.org/index.php/IJISAE/article/view/2886	
12.	2023	An Exposure on Functional Behaviour of Demand Response Framework in Smart Home Environment	DOI: https://doi.org/10.14445/22315381/IJETT-V71I7P206	
13.	2023	Privacy Preservation Techniques in Cloud Computing	DOI: 10.56472/25832646/JETA-V3I1P103	
14.	2023	Comparative Analysis of Privacy Preservation Mechanism: Assessing Trustworthy Cloud Services with a Hybrid Framework and Swarm Intelligence	DOI: https://doi.org/10.17762/ijritcc.v11i9.9239	

15.	2023	Design of Hybrid Metaheuristic Optimization Algorithm for Trust-Aware Privacy Preservation in Cloud Computing	DOI:10.22247/ijcna/2023/223690	
16.	2023	A Comprehensive Study of IoT Enabled Smart Grid	DOI: https://doi.org/10.54105/ijdcn.E5018.041221	
17.	2023	Optimization Technique in Smart Home Environment: A Systematic Review	DOI: https://ijisae.org/index.php/IJISAE/article/view/2886	
18.	2022	A Comparative Study of Performance About the Integrated Power Quality and Optimized Framework for Smart Grid	DOI: https://doi.org/10.56556/jtie.v1i3.267	
19.	2022	A study on functional capabilities and recent advancements in smart home environment	DOI: https://doi.org/10.1016/j.matpr.2022.09.493	
20.	2022	A study of ATC losses, tools, techniques and ongoing applications in smart grid	DOI: https://doi.org/10.14445/22490183/IJETT-V70I3P216	
21.	2021	A novel algorithm to improve the power quality for the smart grid and integration with the optimization framework	DOI: https://doi.org/10.14445/22315381/IJETT-V69I9P233	
22.	2019	LETSRP: a secure routing protocol for MANETs	DOI:10.35940/ijeat.A9630.109119	
23.	2019	Energy efficient load optimization techniques for smart grid with futuristic ideas	DOI:10.35940/ijeat.A1778.109119	