


Title	DR.	First Name	JITENDRA SINGH	Last Name	RAUTHAN	
Designation	Assistant Professor					
Dept. Name	Computer Science & Engineering					
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Web Page (if any)	https://vidwan.inflibnet.ac.in/profile/361161 https://sites.google.com/itgopeshwar.ac.in/jitendra-singh-rauthan/home					
Subjects Taught	Python Programming, Data Structures and Algorithms, Compiler Design, Artificial Intelligence, Formal Languages & Automata Theory, Cryptography and Network Security					
Areas of Interest/Specialization	Homomorphic Encryption, Blockchain Technologies, Encrypted Query Processing optimization					
Experience (in years)	Total	13 Years				
	Industry	02 Years				
	Teaching	11 Years				
	Research	02 Years				
Educational Qualifications	UG	B.Tech. (2008), UPTU Lucknow				
	PG	M. Tech. (2012), KEC Dwarahat				
	Doctorate	Ph. D. (2021), UTU Dehradun				
	Any other	Engineering Diploma (2005), UBTER, Roorkee				
Research Publications in Journals	<ol style="list-style-type: none"> Homomorphic Encryption Based Zero Knowledge of Locations, J. S. Rauthan, K. S. Vaisla, Personal and Ubiquitous Computing, Springer. Under Review, (SCIE, IF: 3.006). Fully homomorphic encryption: A case study, J. S. Rauthan, Journal of Intelligent & Fuzzy Systems, vol. 43, no. 6, pp. 8417-8437, 2022. (SCIE, IF: 1.851) Homomorphic encryption approach for exploration of sensitive information retrieval, J. S. Rauthan, K. S. Vaisla, Journal of Intelligent and Fuzzy Systems, Volume 38, Year 2020, Pages 6495-6505. (SCIE, IF: 1.851) VRS-DB: preserve confidentiality of users' data using encryption 					

	<p>approach, J. S. Rauthan, K.S. Vaisla, Digital Communications and Networks, Volume 7, Year 2020, Pages 62-71. (SCIE, IF: 5.382)</p> <p>5. Compatibility Issues and Challenges in 802.11g Implementation: A Review, Arun Uniyal, Vishwanath Bijalwan, J. S. Rauthan, International Journal of Advanced Research in Computer Engineering & Technology (IJARCET), Volume 3, Year 2014, Pages 3293.3296.</p> <p>6. An Improved Approach in Clustering Algorithm for Load Balancing in Wireless Sensor Networks, J. S. Rauthan, S. Mishra, International Journal of Advanced Research in Computer Engineering & Technology, Volume 1, Year 2012, Pages 196-202.</p> <p>7. An improved cluster based multi-hop routing in self-organizing wireless sensor networks, J. S. Rauthan, S. Mishra, International Journal of Engineering Research & Technology (IJERT), Volume 14, Issue- 15, 2012.</p>		
Papers Published in Conference Proceedings	<p>1. Deep Learning for Health Care in Disease Identification: A Review, Surabhi Lingwal, Jitendra Singh Rauthan, Banit Negi, Algorithms for Intelligent Systems, Springer, Year 2021, Pages 641-650.</p> <p>2. Blockchain and the Digital Credentialing for Education System, J. S. Rauthan, Surabhi Lingwal, Siddharth Ghansela, Banit Negi, Algorithms for Intelligent Systems, Springer, Year 2021, Pages 871-884.</p> <p>3. VRS-DB: Computation Exploration on Encrypted Database, J. S. Rauthan, K. S. Vaisla, 2019 IEEE International Conference on Big Data and Computational Intelligence, ICBDCI 2019.</p> <p>4. Privacy and Security of User's Sensitive Data: A Viable Analysis, J. S. Rauthan, K. S. Vaisla, International Conference on Research in Intelligent and Computing in Engineering, ACSIS, Volume 10, Year 2017, Pages 67-7.</p> <p>5. Scrambled database with encrypted query processing: CryptDB a computational analysis, J. S. Rauthan, K. S. Vaisla, IEEE International Conference on Intelligent Systems and Information Management, ICISIM 2017, Volume 2017-January, Year 2017, Pages 199-211.</p>		
Patent	<p>1. A System of Selection Query Processing Optimization Over Encrypted Database Using Previous Outcomes Knowledge Base, J, S, Rauthan, K. S. Vaisla, H. S. Badhuria, 202111005672 A, Indian Patent.</p>		
Books Authored/Book Volume Chapters	<p>1. MedicalBlockchain: a new way to regulate data on the "block", J. S. Rauthan, S. K. Verma, Surabhi Lingwal, Banit Negi, Siddarth Ghensal and Y. S. Chauhan, IoT Enabled Health Care Systems: Applications, Benefits and Challenges." , APP, CRC Press, a Taylor & Francis Group. (Accepted)</p> <p>2.</p>		
No. of Conferences	National	Attended	Organized
		02	02
	International	05	01
Research Guidance	Awarded	PG	Doctorate
		-	-

	Undergoing	01	-
Research Projects	Completed		-
	Undergoing		-
Awards & Distinctions	Awarded with Best Paper Award for the research paper titled “ Privacy and Security of User’s Sensitive Data: A Viable Analysis ”, International Conference on Research in Intelligent and Computing in Engineering, 2017.		
Administrative Assignments Handled	<ol style="list-style-type: none"> 1. Member, Board of Studies, Uttarakhand Technical University, Dehradun 2. OiC, Institute Website 3. Deputy OiC, Internet Facilities 4. Facilitator, Google Cloud Ready Facilitator Program 5. Member, Institute Reporting/ Counseling Committee, GBPIET 		
Association with Professional Bodies	<ol style="list-style-type: none"> 1. Member, Universal Association of Computer and Electronics Engineers 2. Member, International Computer Science and Engineering Society 3. Member, Internet Society Chapter -Delhi 4. Member, International Association of Engineers 5. Life Member, Indian Society for Technical Education 6. Professional Member, IEEE 		
Any other Achievements	<ol style="list-style-type: none"> 1. Qualified GATE CSE 2014, 2015, 2016. 2. Certified Google Cloud Ready Facilitator 3. IBM and Coursera Certified Python and Blockchain Expert 		