

Profile Page



Name : Dr Harsh K Verma

Designation : Professor

Department : Computer Science & Engg.

Qualification : PhD Computer Sc & Engg (Punjab Technical University)
MS Software Systems (BITS Pilani)
BE Computer Sc & Engg (Gulbarga University Gulbarga)

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Research Interests :

Software Systems, Numerical Computing, Computer Networks and Information Security

Journal Publications :

Year	Journal	Publication
2021	Arabian Journal for Science and Engineering	Naveen Bilandi, Harsh K Verma, Renu Dhir, "An intelligent and energy-efficient wireless body area network to control coronavirus outbreak"
2021	Multimedia Tools and Applications	Balraj Singh, Harsh K Verma, "EMM: Extended matching market based scheduling for big data platform hadoop"
2021	International Journal of System Dynamics Applications (IJSDA)	Ravindra Kumar Singh, Harsh Kumar Verma, "User Activity Classification and Domain-Wise Ranking Through Social Interactions"
2021	Sustainable Computing: Informatics and Systems	Naveen Bilandi, Harsh K Verma, Renu Dhir, "Energy-efficient relay node selection scheme for sustainable wireless body area networks"
2021	Tehni?ki glasnik	Harsh Kumar Verma, Krishna Pal Sharma, "Evolution of VANETS to IoV: Applications and Challenges"
2021	Applied Intelligence	Naveen Bilandi, Harsh K Verma, Renu Dhir, "hPSO-SA: hybrid particle swarm optimization-simulated annealing algorithm for relay node selection in wireless body area networks"
2021	Recent Advances in Computer Science and Communications (Formerly: Recent Patents on Computer Science)	Balraj Singh, Harsh K Verma, "IMSM: An Interval Migration Based Approach for Skew Mitigation in MapReduce"
2020	CAAI Transactions on Intelligence Technology	Naveen bilandi, Harsh K Verma, Renu Dhir, "AHP–neutrosophic decision model for selection of relay node in wireless body area network"
2020	Journal of Sol-Gel Science and Technology, (SCI, 2.008)	Naveen Bilandi, Harsh K Verma, Renu Dhir, "Novel transportation layers of NiO and ZnO for the fabrication of perovskite solar cell for e-monitoring of healthcare"

2020	Beni-Suef University Journal of Basic and Applied Sciences	Naveen Bilandi , Harsh Kumar Verma, Renu Dhir, "Performance and evaluation of energy optimization techniques for wireless body area networks"
2020	EAI Endorsed Transactions on Pervasive Health and Technology (Scopus Indexed)	Naveen Bilandi , Harsh K Verma, Renu Dhir, "An Energy Efficient Health Monitoring System using Relay Node in Wireless Body Area Networks"
2020	Journal of King Saud University - Computer and Information Sciences (Scopus Indexed)	Ravindra Kumar Singh, Harsh Kumar Verma, "Redis Based Messaging Queue and Cache Enabled Parallel Processing Social Media Analytics Framework"
2020	Multimedia Tools and Applications, Pages 1-27 (SCIE, Impact Factor = 2.313)	Aruna Malik, Geeta Sikka, Harsh K Verma, "A Reversible Data Hiding Scheme for Interpolated Images Based on Pixel Intensity Range"
2020	Transactions on Emerging Telecommunications Technologies, e3883 (SCIE, Impact Factor = 1.594)	Manoj Kumar, Harsh Kumar Verma, Geeta Sikka, "A secure data transmission protocol for cloud-assisted edge-Internet of Things environment"
2020	Recent Advances in Computer Science and Communications (Scopus Indexed)	Balraj Singh and Harsh K Verma, "IMSM: An Interval Migration Based Approach for Skew Mitigation in MapReduce"
2020	Journal of King Saud University-Computer and Information Sciences	Himansu Sekhar Pattanayak, Harsh K Verma, Amrit Lal Sangal, "Lengthening of average path length in social networks due to the effect of community structure"
2020	International Journal of Information System Modeling and Design (IJISMD)	Ravindra Kumar Singh, Harsh Kumar Verma "Influence of social media analytics on online food delivery systems"
2020	The Computer Journal	Ravindra Kumar Singh, Harsh Kumar Verma, "Redis-Based Messaging Queue and Cache-Enabled Parallel Processing Social Media Analytics Framework"
2019	Swarm and evolutionary computation 44, 31-48 (SCI, Impact Factor = 6.912)	HS Pattanayak, AL Sangal, HK Verma, "Community detection in social networks based on fire propagation"
2019	International Journal of Technology, Policy and Management (Scopus Indexed)	Balraj Singh, Harsh Kumar Verma, Gulshan Kumar, and Hye-jin Kim, "An improved content splitting and merging algorithm for Hadoop clusters using component analysis and hamming distance"
2019	Transactions on Emerging Telecommunications Technologies, 30 (4), e3292	Manoj Kumar, Harsh Kumar Verma, Geeta Sikka, "A Secure and Authentic Data Transmission Protocol for Cloud-Based Edge-IoT Environment"
2019	International Arab Journal of Information Technology, Volume 16, Issue 1, Pages 148-155	Aruna Malik, Geeta Sikka, and Harsh K Verma, "A High Capacity Data Hiding Scheme Using Modified AMBTC Compression Technique"
2019	SN Applied Sciences	Naveen Bilandi, Harsh K Verma, Renu Dhir, "PSOBAN: a novel particle swarm optimization based protocol for wireless body area networks"
2018	Multidimensional Systems and Signal Processing, 26, pp. 1801-1818	Aruna Malik, Geeta Sikka, Harsh K Verma, "An AMBTC compression based data hiding scheme using pixel value adjusting strategy"
2017	Journal of Information and Optimization Sciences 38 (5), 647-664	A Malik, G Sikka, HK Verma, "A high capacity text steganography scheme based on huffman compression and color coding"
2017	Multimedia Tools and Applications, Vol. 76, Pages 14151-14167	Aruna Malik, Geeta Sikka, Harsh Kumar Verma, "A high payload data hiding scheme based on modified AMBTC technique"

2017	Multimedia Tools and Applications, Vol. 76, Pages 13025-13046	Aruna Malik, Geeta Sikka, Harsh Kumar Verma, "An image interpolation based reversible data hiding scheme using pixel value adjusting feature"
2017	Engineering Science and Technology, an International Journal	Aruna Malik, Geeta Sikka, Harsh K Verma, "A high capacity text steganography scheme based on LZW compression and color coding"
2017	Multimedia Tools and Applications	Aruna Malik, Geeta Sikka, Harsh K Verma, "Image interpolation based high capacity reversible data hiding scheme"
2016	An International Journal of Engineering Science and Technology, Vol. 20, Pages 72-79	Aruna Malik, Geeta Sikka, Harsh Kumar Verma, "A high capacity text steganography scheme based on LZW compression and color coding"
2016	Multimedia Tools and Applications, Vol. 76, Pages 1-17	Aruna Malik, Geeta Sikka, Harsh Kumar Verma, "Image interpolation based high capacity reversible data hiding scheme"
2016	International Journal of Wireless Information Networks, Vol. 23, Pages 222-230	Nischay Bahl, Ajay Kumar Sharma, Harsh Kumar Verma, "On the Energy Efficiency of WSN Communications Operating Under Non-coherent M-FSK and M-QAM Modulations"
2016	Procedia Computer Science, Vol. 94, Pages 435-440	Sandeep Mehmi, Harsh Kumar Verma, Amrit Lal Sangal, "Comparative analysis of cloudlet completion time in time and space shared allocation policies during attack on smart grid cloud"
2016	International Journal of Grid and Distributed Computing, Vol. 9, Pages 61-72	Sandeep Mehmi, Amrit Lal Sangal, Harsh Kumar Verma, Kulwinder Parmar, "Economic viability of smart grid cloud in India"
2015	AEU - International Journal of Electronics and Communications, Vol. 69, Pages 1346-1353	Nischay Bahl, Ajay Kumar Sharma, Harsh Kumar Verma, "Asymptotic multicast throughput analysis and energy efficiency in WSN under double Nakagami fading channel using Extreme value theory"
2015	International Journal of Wireless Information Networks, Vol. 22, Pages 180-187	Nischay Bahl, Ajay Kumar Sharma, Harsh Kumar Verma, "On the Energy Utilization of WSN Communications Using Space-Time Block Coding Over BPSK and M-QAM Modulations"
2014	Wireless Networks, Vol. 20, Pages 2385-2393	Nischay Bahl, Ajay Kumar Sharma, Harsh Kumar Verma, "On the energy utilization for WSN based on BPSK over the Generalized-K shadowed fading channel"
2014	Wireless Personal Communications, Vol. 80, Pages 1281-1345	Raman Kumar, Harsh Kumar Verma, Renu Dhir, "Analysis and Design of Protocol for Enhanced Threshold Proxy Signature Scheme Based on RSA for Known Signers"
2013	Medical & Biological Engineering & Computing, Vol. 51, Pages 1043-1050	Anupama Gupta, Harsh Kumar Verma, Savita Gupta, "A hybrid framework for registration of carotid ultrasound images combining iconic and geometric features"
2013	Mathematical Problems in Engineering, Vol. 2013, Pages 1-24	Raman Kumar, Harsh Kumar Verma, and Renu Dhir, "Cryptanalysis and Performance Evaluation of Enhanced Threshold Proxy Signature Scheme Based on RSA for Known Signers"
2012	Biomedical Signal Processing and Control, Vol. 7, Pages 560-570	Anupama Gupta, Harsh Kumar Verma, Savita Gupta, "Technology and research developments in carotid image registration"
2011	ACM SIGSOFT Software Engineering Notes, Vol. 36, Pages 1-5	Syona Gupta, Geeta Sikka, Harsh Kumar Verma, "Recent Methods for Software Effort Estimation by Analogy"
2010	International Journal of Electronics and Communication Engineering, Vol. 4, Pages 947-953	Sunil Gupta, Harsh Kumar Verma, Amrit Lal Sangal, "Authentication Protocol for Wireless Sensor Networks"
2010	International Journal of Electronics and Communication Engineering, Vol. 4, Pages 1592-1597	Maninderjit Kaur, Moin Uddin, Harsh Kumar Verma, "Performance Evaluation of QoS Parameters in Cognitive Radio Using Genetic Algorithm"

Conference Publications :

Year	Conference	Publication
2021	2nd International Conference on Secure Cyber Computing and Communications (ICSCCC)	Tanisha Mahendru, Harsh Kumar Verma, "Hiding secret message using matrix reordering and image blocking"
2021	2nd International Conference on Secure Cyber Computing and Communications (ICSCCC)	Paras Chugh, Harsh Kumar Verma, "Various Techniques to Improve the Efficiency of Apriori Algorithm: A Review"
2021	3rd International Conference on Integrated Intelligent Computing Communication & Security (ICIIC 2021)	Vikramjit Singh, Krishna Pal Sharma, Harsh K Verma, "Evaluating the Impact of Beacon Interval and Neighbor Timeout Timer on the Performance of Geographical Routing in FANETs"
2021	6th International Conference on Signal Processing, Computing and Control (ISPCC)	Renu Verma, Kuldeep Kumar, Harsh K Verma, "A Study of Relevant Parameters Influencing Code Smell Prioritization in Object-Oriented Software Systems"
2020	Proceedings of Industry Interactive Innovations in Science, Engineering & Technology (I3SET2K19)	Gurjit Kaur, Harsh Kumar Verma, Ravindra Kumar Singh, "Dual Steganography Approach Using 3D Playfair Cipher and Pixel Value Differencing Method"
2020	The International Conference on Recent Innovations in Computing	Ravindra Kumar Singh, Harsh Kumar Verma, "Effective Analysis of Tweets Using Hadoop Ecosystem"
2020	International conference on smart electronics and communication (ICOSEC)	Aviral Sangal, Harsh Kumar Verma, "A static feature selection-based android malware detection using machine learning techniques"
2018	4th International Conference on Computing Communication and Automation (ICCCA)	Charu Guleria, Harsh Kumar Verma, "Improved detection and mitigation of ddos attack in vehicular ad-hoc network"
2018	2018 First International Conference on Secure Cyber Computing and Communication (ICSCCC), pp. 483-489	Himansu Sekhar Pattanayak, Harsh K Verma, AL Sangal, "Community Detection Metrics and Algorithms in Social Networks"
2018	2018 First International Conference on Secure Cyber Computing and Communication (ICSCCC), pp. 545-549	Naveen Bilandi, Harsh K Verma, Renu Dhir, "An Energy Efficient TDMA based MAC Protocol for Wireless Body Area Networks"
2017	2017 International Conference on Intelligent Communication and Computational Techniques (ICCT)	Sagar Mal Nitharwal, Harsh Kumar Verma, "A boolean-based multi-secret image sharing scheme using bit-reversal"
2017	2017 International Conference on Intelligent Communication and Computational Techniques (ICCT), pp. 228-232	Kirti Kaur Sahota, Lalit Kumar Awasthi, Harsh Kumar Verma, "An empirical enhancement using scale invariant feature transform in text extraction from images"
2017	2017 International Conference on Next Generation Computing and Information Systems (ICNGCIS), pp. 122-125	Jagmeet Singh Aidan, Harsh Kumar Verma, Lalit Kumar Awasthi, "Comprehensive Survey on Petya Ransomware Attack"
2016	IEEE Symposium on Colossal Data Analysis and Networking (CDAN), Pages 1-5	Deepak Singh and Harsh Kumar Verma, "A new framework for cloud storage confidentiality to ensure information security"
2016	IEEE International Conference on Computing, Communication and Automation, Pages 1069-1073	Dilpreet kaur, Harsh Kumar Verma and Ravinder Kumar Singh, "A hybrid approach for image steganography"
2015	IEEE International Conference on Advances in Computer Engineering and Applications, Pages 450-454	Kirti Aggarwal and Harsh Kumar Verma, "Hash_RC6 -Variable length Hash algorithm using RC6"

2014	International Conference On Advances in Engineering and Technology (ICAET'2014), Pages 375-380	Maninderjit Kaur, Harsh Kumar Verma, Moin Uddin, "QoS Provisioning in Channel Allocation Strategy in Cognitive Radio Using Fuzzy Logic"
2014	IEEE 3rd International Conference on Reliability, Infocom Technologies and Optimization, Pages 1-6	Chaitna Vaid and Harsh Kumar Verma, "Anomaly-based IDS implementation in cloud environment using BOAT algorithm"
2014	IEEE International Conference on Recent Advances and Innovations in Engineering (ICRAIE-2014), Pages 1-6	Sandeep Mehmi, Harsh Kumar Verma and Amrit Lal Sangal, "Smart grid cloud for Indian power sector"
2014	Third International Conference on Soft Computing for Problem Solving, Pages 109-114	Himakshi, Harsh Kumar Verma, Ravindra Kumar Singh, Charan Kamaljit Singh, "Bi-directional Pixel-Value Differencing Approach for Steganography"
2013	International Conference on Multimedia and Human-Computer Interaction, Vol. 141, Pages 1-5	Harsh Kumar Verma, Anupama Gupta, Savita Gupta, "Multimodal Registration of Carotid MR and US Images Free-From Deformation Based Non-Rigid Methodology in a Hybrid Framework"
2013	IEEE Sixth International Conference on Contemporary Computing (IC3), Pages 18-23	Amandeep Kaur, Harsh Kumar Verma and Ravinder Kumar Singh, "3D -Playfair cipher using LFSR based unique random number generator"
2013	IEEE Second International Conference on Image Information Processing (ICIIP-2013), Pages 607-611	Jaspal Kaur Saini and Harsh Kumar Verma, "A hybrid approach for image security by combining encryption and steganography"
2013	IEEE International Conference on Computational Intelligence and Computing Research, Pages 1-5	Manoj Kumar, Harsh Kumar Verma and Shantibala Singh, "A (m, m)VCS with consistent size reconstruction using full binary tree"
2013	IEEE Sixth International Conference on Contemporary Computing (IC3), Pages 47-51	Himakshi, Ravinder Kumar Singh, Harsh Kumar Verma and Charan Kamaljit Singh, "Bi-directional pixel-value differencing approach for RGB color image"
2013	IEEE 3rd International Advance Computing Conference (IACC), Pages 556-561	Harsh Kumar Verma and Ravinder Kumar Singh, "Enhancement of RC6 block cipher algorithm and comparison with RC5 & RC6"
2013	IEEE 3rd International Advance Computing Conference (IACC), Pages 243-248	Naveen Bilandi, Harsh Kumar Verma and Naresh Kumar, "Comparative analysis of ad hoc routing protocols based on user's point of view"
2012	International Conference on Electrical Engineering and Computer Science, Goa (India), Pages 72-82	Harsh Kumar Verma, Ravindra Kumar Singh, "Linear Feedback Shift Register based Unique Random Number Generator"
2012	ICECECE 2012 : International Conference on Electrical, Computer, Electronics and Communication Engineering, Phuket (Thailand), Pages 515-521	Harsh Kumar Verma, Ravindra Kumar Singh, "Enhancement of Twofish Block Cipher Algorithm and Comparison with Twofish"
2011	International Conference on Intelligent Information Networks ICIIN 2011, Dubai, Pages 97-104	Sunil Gupta, Harsh K Verma and A L Sangal, "A Survey on secure access control for Wireless Sensor Network"
2011	IEEE International Conference on Advances in Computing and Communications, Pages 568-573	Syona Gupta, Geeta Sikka and Harsh Kumar Verma, "A survey on recent software effort estimation techniques using analogies"
2010	IEEE 2nd International Advance Computing Conference (IACC), Pages 293-297	Raman Kumar and Harsh Kumar Verma, "An advanced secure (t, n) threshold proxy signature scheme based on RSA cryptosystem for known signers"

2010	IEEE 2nd International Advance Computing Conference (IACC), Pages 436-442	Harsh Kumar Verma and Vishal Sharma, "Handling imprecision in inputs using fuzzy logic to predict effort in software development"
2008	The 2008 International Conference on Security and Management SAM'08, USA, Pages 227-231	Harsh Kumar Verma, Kamalpreet Kaur, Raman Kumar, "A Comparison of Threshold Proxy Signature Schemes"
2008	The 2008 International Conference on Scientific Computing CSC'08, USA, Pages 338-341	Sheo Kumar, Harsh Kumar Verma, ". Product Integration Methods for First Kind Abel Integral Equations Using Cubic B-Spline"
2007	IASTED International Conference on Modelling and Simulation, Totonto, Pages 471-476	Harsh Kumar Verma, Puneet Sharma, "A Procedure for Face Detection and Recognition"
2007	The 2007 International Conference on Scientific Computing, Pages 247-250	Harsh Kumar Verma, Sheo Kumar, "Numerical Solutions of Volterra Integro-Differential Equations with Weakly Singular Kernels"
2007	The 2007 International Conference on Scientific Computing, Pages 213-217	Harsh Kumar Verma, Sheo Kumar, "Numerical Methods of Volterra Integro-Differential Equations with Two Point Boundary Conditions and Weakly Singular Kernels"

Book/Chapter Publications :

Type	Title	Publisher	Authors	ISBN/ISS N No.	Year
Book Chapter	The Interoperability of Fog and IoT in Healthcare Domain: Architecture, Application, and Challenges	Springer	Karandeep Kaur, Harsh Kumar Verma	978-3-030-46197-3	2020

Research Projects :

Role	Project Type	Title	Funding Agency	From	To	Amount	Status	Co-Investigator
Principal Investigator	Sponsored Project	Information Security Education and Awareness	Department of Communication and Information Technology, New Delhi	1996-2001, 2002	till date	Rs 36.06 Lacs	Phase-I Completed, Phase-II Ongoing	Dr Renu Dhir
Co-PI	Research and Development	An intelligent network analyzer cum patcher for advanced security hardening	DST	15-03-21	15-06-24	80 lakhs approx	Accepted for funding	Prof. Lalit k Awasthi, Dr. Geeta Sikka, Dr. Urvashi

Events Organized :

Category	Type	Title	Venue	From	To	Designation
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STC	National	Advances in Computer Science and Information Technology Trends	NIT Jalandhar	02-01-2017	06-01-2017	Coordinator
STC	National	Recent Trends in Software Engineering and Knowledge Mining	NIT Jalandhar	01-06-2015	05-06-2015	Coordinator
STC	National	Data Analysis and Soft Computing	NIT Jalandhar	09-06-2014	13-06-2014	Coordinator
STC	National	Advances in Software Engineering and Knowledge Based Systems	NIT Jalandhar	16-12-2013	20-12-2013	Coordinator
STC	National	Recent Advances in Computer Networks and Information Security	NIT Jalandhar	08-07-2013	12-07-2013	Coordinator
STC	National	Recent Advances in Advanced Materials and Computing Techniques	NIT Jalandhar	11-03-2013	15-03-2013	Coordinator
STC	National	Recent Trends in information Security	NIT Jalandhar	14-03-2019	18-03-2019	Coordinator
STC	National	IOT with cloud applications	NIT Jalandhar	01-07-2019	05-07-2019	Coordinator
FDP	National	One Week FDP on IoT with Cloud Applications	CSE Department, NIT Jalandhar, EICT Academy (IIT Roorkee)	01-07-19	05-07-19	Coordinator
STC	National	One Week course on Internet of Things and Wireless Sensor Networks	NITJ TEQIP III Sponsored	20-10-2019	24-10-2019	Coordinator
STC	National	Cyber Safety	NIT Jalandhar	28-07-2020	01-08-2020	Convener
e-STC	National	Identifying the weakest link: An International e-STC on recent attacking and defense	NIT Jalandhar	10-07-2020	14-07-2020	Convener
STC	National	Formal Verification of Cyber-Physical Systems : Opportunities and Challenges	NIT-Jalandhar	11-09-2020	15-09-2020	Co-Convener
STC	National	Applications of Machine Learning in the Advancements of Computer Science	NIT Jalandhar	17-08-2020	21-08-2020	Co-Convener
STC	National	Soft Computing Techniques and its Applications	NIT Jalandhar	29-08-2020	02-09-2020	Convener

Professional Affiliations :

Designation	Organization
Fellow	Institute of Engineers

Fellow	Institute of Engineers (Membership ID#F-116961-7)
Life Member	Indian Society for Technical Education

PhD Supervised :

Scholar Name	Research Topic	Status	Year	Co-Supervisor
Himanshu Pattanayak	An algorithm for detection of shared communities in social network	Defended	2022	Dr. A.L. Sangal
Manoj Kumar	A set of cryptographic solutions for secure cloud data storage	Defended	2021	Dr. Geeta Sikka
Mr. Naveen Bilandi	Development of energy aware routing protocol for wireless body area network	Defended	2021	Dr. Renu Dhir
Balraj Singh	Framework to improve performance of Hadoop	Defended	2021	
Ravinder Kumar	Behavior extraction using social media analytic	Defended	2021	
Shruti Aggarwal	Software fault prediction using nature inspired hybrid clustering algorithms	Defended	2020	Dr Paramveer Singh
Mr. Vikramjeet Singh	Adaptive Multi-hop routing scheme for Flying Adhoc Networks	In-Process	2018	Dr KP Sharma
Renu Verma	Code Smell Prioritization in Object-Oriented Software Systems	In-Process	2018	
Faisal Rasheed Lone	An efficient frame work for enhancement of security in the internet of vehicles.	In-Process	2018	
Kuldeep Goswami	Energy efficient protocols and schemes for wireless sensor networks	In-Process	2018	
Ms. Karandeep Kaur	IoT based driver health monitoring and alert generation system	In-Process	2017	
Mr Sandeep Mehmi	Simulation & Modeling of Cloud Computing for Security Analysis of Smart Grid of India using Artificial Neural Networks	Defended	2017	Dr A L Sangal
Mr Sunil Gupta	Efficient Access Control Protocol Against Malicious Attack in Wireless Sensor Networks	Defended	2017	Dr A L Sangal
Ms Aruna Malik	Design and Analysis of Text and Image based Steganographic Techniques	Defended	2017	Dr Geeta Sikka
Mr. Amit Kumar Dogra	Dynamic metric for design quality assessment of object oriented softwares	In-Process	2016	
Mr Nischay Bahl	Development of Energy Efficient WSN Architecture and Performance Evaluation in the Presence of various Impairments	Defended	2016	Dr Ajay Sharma
Ms Anupama Gupta	Design of Monomodal and Multimodal Registration Techniques for Carotid Images	Defended	2014	Dr Savita Gupta
Mr Raman Kumar	Enhanced Threshold Proxy Signature Scheme based on RSA for Known Signers	Defended	2014	Dr Renu Dhir
Ms Maninder Jeet Kaur	Capacity Analysis of Cognitive Radio for Quality of Service Provisioning using Soft Computing Techniques	Defended	2013	Dr Moin Uddin
Mr. Saurabh Namdev	Performance Analysis of a new protocol for secure communication in GSM based Networks	In-Process		Dr. Geeta Sikka

PG Dissertation Guided :

Student Name	Dissertation Title	Status	Year	Co-Supervisor
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Ms. Anusha Joshi	A lightweight AES Approach for security in Fog Environment	Completed		Prof. Lalit K Awasthi
Ms. Smiriti Gupta	Diabetics Classification using Machine Learning Methods	Completed		
Mr. Ankit Kumar	Modified balance particle swarm optimization for load scheduling in cloud computing	Completed		
Ms. Anupama Yadav	Voting classification for Diabetes Prediction	In-Process		Prof LK Awasthi
Mr. Aviral Sangal	Android Malware Detection Using Machine Learning Techniques	In-Process		
Vanisha Singh	An Approach to Dual Layer Steganography	In-Process		

Admin. Responsibilities :

Position Held	Organization	From	To
Head, Computer Centre	NIT Jalandhar	11-11-2013	Dec. 2017
Head, Computer Science & Engineering	NIT Jalandhar	04-09-2010	04-09-2013
Controller of Exam	NIT Jalandhar	05-09-2007	05-09-2014
Head, Computer Centre	NIT Jalandhar	06-09-2010	04-09-2012
Chairman, Campus Security	NIT Jalandhar	03-10-2013	07-01-2015
Chairman, UG Committee	NIT Jalandhar	27-08-2013	01-02-2016
Head, Computer Science & Engineering	NIT Jalandhar	Jan 2018	Feb 4, 2020
Head, Information Technology	NIT Jalandhar	March 2018	Feb 4, 2020
Head, Computer Centre	NIT Jalandhar	Feb 5, 2020	till date