

## Profile Page



Name : Mr D K Gupta  
Designation : Associate Professor  
Department : Computer Science & Engg.  
Qualification : M.Tech CSE (NIT JALANDHAR)  
B.Tech CSE (GULBARGA UNIVERSITY)  
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### Research Interests :

Operating Systems, Artificial Intelligence & Information Security

### Journal Publications :

Year	Journal	Publication
2022	Innovations in Multimedia Information Processing & Retrieval?, Springer Nature	Sanjiu Raja Brahma, Samayveer Singh, Deepak Kumar Gupta & Aruna Malik, A reversible data hiding technique using lower magnitude error channel pair selection
2018	I.J. Information Technology and Computer Science, 2018, 1, 68-75 Published Online January 2018 in MECS ( <a href="http://www.mecs-press.org/">http://www.mecs-press.org/</a> ) DOI: 10.5815/ijitcs.2018.01.08	Rohit Nagar, D.K. Gupta, Raj M. Singh, Time Effective Workflow Scheduling using Genetic Algorithm in Cloud Computing
2017	International Journal of Modern Education and Computer Science, Volume 9	Akhilesh Kumar Singh, D.K. Gupta, Raj Mohan Singh, "Sentiment Analysis of Twitter User Data on Punjab Legislative Assembly Election"
2017	International Journal of Modern Education and Computer Science(IJMECS), Vol.9, No.11, pp. 33-40, 2017	Bhupinderjit Singh, D.K. Gupta, Raj Mohan Singh, "Improved Architecture of Focused Crawler on the basis of Content and Link Analysis"
2016	International Journal of Computer Network and Information Security, Volume 4	Deepika Kamboj, D.K.Gupta, Amit Kumar, Efficient Scalar Multiplication over Elliptic Curve
2016	International Journal of Computer Applications, USA, Volume 148	Sangita Kumari, D. K. Gupta, Raj Mohan Singh, A Robust Method for Vehicle License Plate Recognition based on Harries Corner Algorithm and Artificial Neural Network
2015	International Journal of Computer Applications, USA, Volume 123	Anshu Chauhan ,D.K. Gupta , Manoj Kumar Sah, Detection of Packet Dropping Nodes in MANET using DSR Routing Protocol
2015	International Journal of Computer Applications, USA, Volume 129	Nilu Kumari, D.K. Gupta, Manoj Kumar Sah, Improved TEEN Routing Protocol with Multi hop and Multi Path in Wireless Sensor Networks

## Conference Publications :

Year	Conference	Publication
2021	2nd International Conference on Secure Cyber Computing and Communications (ICSCCC)	Garima Gupta, Deepak Gupta, Predicting the prevalence of mental disorders among different age groups: A Review
2021	2nd International Conference on Secure Cyber Computing and Communications (ICSCCC)	Prabhleen Kukreja, Deepak Gupta, COVID-19 Detection using Image Modality: A Review
2020	The International Conference on Paradigms of Computing, Communication and Data Sciences (PCCDS-2020) , NIT Kurukshetra	Deepak Kumar Gupta Utkarsh Singh, Kuldeep Kumar, A Study of Code Clone Detection Techniques in Software Systems
2018	First International Conference on Secure Cyber Computing and Communication (ICSCCC)	Abhijeet Mendhe, Deepak Kumar Gupta, Krishna Pal Sharma, Secure QR-Code Based Message Sharing System Using Cryptography and Steganography
2018	First International Conference on Secure Cyber Computing and Communication (ICSCCC)	Pushpendra Singh Rajawat, Deepak Kumar Gupta, Santosh Singh, Avtar Singh, Predictive Analysis of Medical Data using a Hybrid Machine Learning Technique
2018	First International Conference on Secure Cyber Computing and Communication (ICSCCC)	Deepak Kumar Gupta, Raj Mohan Singh, Vikalp Ravi Jain, Analysis and Forecasting of Individual Stock Prices of Various Constituents in NIFTY 50
2016	International Conference on Applied Soft Computing and Communication Networks (ACN), Sept. 21-24, 2016, Jaipur, India .(archived in ACM Digital Library)	Sangita Kumari, D. K. Gupta, Raj Mohan Singh, A Novel Methodology for Vehicle Number Plate Recognition using Artificial Neural Network
2016	International Conference on Applied Soft Computing and Communication Networks (ACN), Sept. 21-24, 2016, Jaipur, India .(archived in ACM Digital Library)	Anita, D. K. Gupta, Ashish Kumar, Spam and Sentiment Analysis Model for Twitter Data using Statistical Learning
2016	Fifth International Conference on Advances in Computing, Communications and Informatics (ICACCI), Sept. 21-24, 2016, Jaipur, India (archived in IEEE xplore Digital Library)	Monika Khandelwal, D.K. Gupta, Pradeep Bhale, DoS Attack Detection Technique Using Back Propagation Neural Network
2015	Fifth International Conference on Advanced Computing & Communication Technologies	Aman Kamboj, D.K.Gupta, An improved Halftone Visual Secret Sharing Scheme for gray-level images based on error diffusion in forward and backward direction, IEEEExplore, 10.1109/ACCT.2015.92
2015	Second International Conference on Advances in Computing and Communication Engineering	Manoj Kumar Sah, D.K. Gupta, Pooja Rani, Energy Efficient Routing Protocol for Wireless Sensor Networks with Multiple Sinks

## Book/Chapter Publications :

Type	Title	Publisher	Authors	ISBN/ISS N No.	Year
International	Outcome Prediction of Patients for Different Stages of Sepsis Using Machine Learning Models	Springer, Singapore	Pankaj Chaudhary, Deepak Kumar Gupta, Samayveer Singh	978-981-15-5341-7	2021

International	Extreme Event Forecasting Using Machine Learning Models	Springer, Singapore	Manish Kumar, Deepak Kumar Gupta, Samayveer Singh	978-981-15-5341-7	2021
International	An Animal Detection and Collision Avoidance System Using Deep Learning	Springer, Singapore	Atri Saxena, Deepak Kumar Gupta, Samayveer Singh	978-981-15-5341-7	2021

## Events Organized :

Category	Type	Title	Venue	From	To	Designation
Workshop	National	Digital India Week	NKN Cell, IT Building, 2nd floor	06-07-15	10-7-15	Nodal Officer

## Professional Affiliations :

Designation	Organization
Fellow	IEI

## PG Dissertation Guided :

Student Name	Dissertation Title	Status	Year	Co-Supervisor
Prabhat Kumar	Steganography Technique for Hiding Text Information in Color Image	Completed	2022	
Neha Rani	Classification of Breast Cancer Abnormalities using Screening Mammograms	Completed	2022	
Pooja Audichya	Anime to Anime Deepfake using Generative Adversarial Networks	Completed	2022	Dr Amritpal Singh
Garima Gupta	Mental disorder Prediction through facial expressions using deep learning	Completed	2021	
Md Zeeshan Mohanavi	Data-Driven Framework for Human Motion Trajectory Prediction using LSTMs & GANs	Completed	2021	
Prabhleen	An optimized approach for Covid-19 detection from X-Ray using Deep Convolution Neural Networks	Completed	2021	
Utkarsh Singh	Hybrid Approach for Detecting High Level Clones in an Object-Oriented Software	Completed	2020	Dr Kuldeep Kumar
Abhisheik Singh	Detection of Fraudulent Credit Card Transactions through Machine Learning techniques	Completed	2020	Dr Avtar Singh
Sanju Raja Brahma	Reversible Data hiding with lower magnitude error channel pair selection	Completed	2020	Dr Samayveer Singh
Sahil Mahajan	Multi Heuristic Approach for reducing Make span and Flow time for Large Data	Completed	2019	
Alankar Sharma	Automated Early Detection of Diabetic Retinopathy using Deep Learning	Completed	2019	
Manish Kumar	Extreme Event Forecasting using Machine Learning Models for Uber Cabs	Completed	2019	Dr Samayveer Singh
Atri Saxena	An Effective Animal Detection Approach based on Deep Learning Techniques	Completed	2019	Dr Samayveer Singh
Pankaj Chowdhary	Outcome Prediction of Patients for different stages of Sepsis using Machine Learning Models	Completed	2019	Dr Samayveer Singh

Richa	Time Series Data Analysis for Stock Indices using Data Mining Technique with R	Completed	2018	
Poonam Saini	An Optimal Congestion Control Protocol at Wireless Sensor Networks using Priority Queue Mechanism	Completed	2018	
Ashwani Kumar	Bird Image classification using visual feature descriptors	Completed	2018	
Abhijeet Mendhe	Secure QR- Code based Message sharing system using Cryptography and Stenography	Completed	2018	
Pushpendra Rajawat	Predictive analysis of Medical data using hybrid machine learning technique	Completed	2018	
Rekha	Opinion Mining of Restaurant reviews on Yelp with Comparative evaluation of Random forest, Bootstrap Aggregation and Adaptive Boosting Classifiers	Completed	2018	
Bhupinder Jit Singh	Improvements in Focused Crawler based on Content and Link Analysis and Optimization of Search Engine Ranking based on User Implicit Feedback.	Completed	2017	
Akhilesh Kumar Singh	Political Election and Twitter Sentiment Analysis of Twitter User on Punjab Legislative Assembly Elections , 2017	Completed	2017	
Avinash Sirohi	Analysis of Black hole Attack in Wireless Body Area Network	Completed	2017	
Rohit Nagar	Time effective workflow Scheduling using genetic algorithm in cloud computing	Completed	2017	
Vikalp Jain	Detailed Analysis and Prediction of NIFTY 50 Index	Completed	2017	
Rakesh Gagneja	Modified Key Generation Algorithm using AES as a new mode of Operation	Completed	2016	
Paramjit Rana	Restricted External Gradient Time Synchronization Protocol for Wireless Sensor Networks	Completed	2016	
Anita Bhatia	Spam & Sentimental Analysis Model for Twitter Data using Statistical learning	Completed	2016	
Rajendra Bhagat	Information hiding using DNA Stenography	Completed	2016	
Sangita Kumari	A Novel Methodology for Vehicle Number Plate Recognition using Artificial Neural Network	Completed	2016	
Monika	DoS Attack Detection Technique Using Back Propagation Neural Network	Completed	2016	
Aman Kamboj	An improved Halftone Visual secret sharing scheme for gray-level images based on error diffusion in forward and backward direction	Completed	2015	
Nilu Kumari	Improved TEEN Protocol with Multi-Hop & Multi-path in Wireless Sensor Networks	Completed	2015	
Parul Nabiyaal	Reducing Buffer overhead in a Reliable Multi casting Protocol for MANET'S	Completed	2015	
Anshu Chauhan	Detection of Packet Dropping Nodes in MANET using DSR Protocol	Completed	2015	
Deepika Kamboj	Efficient Scalar Multiplication in Elliptic Curve Cryptography	Completed	2015	

Vinay Dwivedi	Comparison of Energy Efficient Algorithm for Optical Network based on Different Clustering Techniques	Completed	2014	
Parminder Singh	An Efficient concept based Mining Model for Analysis Partitioning Clustering	Completed	2014	
Hartej Singh	A modified Pixel Value Differentiating method for Information Hiding	Completed	2014	
Brijesh Kumar	Comparative Analysis of Putnam's SLIM using various Fuzzy Membership Functions	Completed	2014	
Bhupesh Kumar	Hierarchical Agglomeration Clustering using K-nearest Neighbor and Digraph	Completed	2014	
Ramesh Kumar	CPU Scheduling using Genetic Algorithm	Completed	2014	
Gunjan	Modified TEEN (MTEEN) Protocol with improved Network lifetime and Optimized efficiency for Wireless Sensor Networks	Completed	2014	Dr Ajay Sharma

### Admin. Responsibilities :

Position Held	Organization	From	To
Nodal Officer (AISHE)	Dr. B.R. Ambedkar National Institute of Technology	01-10-15	till date
Head Computer Centre	Dr. B.R. Ambedkar National Institute of Technology	04-09-12	04-09-13
Nodal Officer, Digital India Initiative	Dr. B.R. Ambedkar National Institute of Technology	03-07-15	till date
Head Information Technology Department	Dr. B.R. Ambedkar National Institute of Technology	04-09-13	02-02-15
Faculty In-charge CODEIT, Society of Information Technology Department	Dr. B.R. Ambedkar National Institute of Technology	01-07-2015	30-06-2018
Coordinator, Swachh Bharat Abhiyan	Dr. B.R. Ambedkar National Institute of Technology	01-07-2019	30-06-2021
Coordinator, Jal Shakti Campus team	Dr. B.R. Ambedkar National Institute of Technology	01-07-2019	30-06-2021
Nodal Officer (AIU)	Dr. B.R. Ambedkar National Institute of Technology	01-07-2019	Till Date
Coordinator, M.Tech CSE (Part Time)	Dr. B.R. Ambedkar National Institute of Technology	01-07-2016	30-06-2018
Coordinator, Unnat Bharat Abhiyan	Dr. B.R. Ambedkar National Institute of Technology	01-07-2019	30-06-2020
Head Information Technology Department	Dr. B.R. Ambedkar National Institute of Technology	01-06-2022	till date