

Bio-Data (Dr. Preeti Gulia)

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1	Name	:	Dr. Preeti Gulia
2.	Date of birth	:	November 20, 1981
3.	Designation & Post Held	:	<i>Associate Professor</i> , Department of Computer Science & Applications, <i>Department-level Coordinator</i> , Digital Learning Centre, M.D. University, Rohtak-124001. <i>Deputy Director</i> , Centre for Distance and Open Education, M.D. University, Rohtak-124001. Mobile: 9467485548
4.	Academic Qualifications	:	<ul style="list-style-type: none"> • Ph.D.(Computer Sc.) • NET • MCA • M.Sc.(Computer Science)
5.	Teaching Experience	:	15+ years
6.	Research Experience	:	10+ years
7.	Research Interests	:	Data Mining, Big Data, Machine Learning, Deep Learning, IoT, Blockchain, SoftwareEngineering
8.	Research Papers, Books & Chapters	:	1. Published in Intl/Ntnl Journals: 95 2. Published in Intl/Ntnl Conf. Proc.: 52 3. Books – 1 (Joint) 4. Book Chapters: 7
9.	Patents Filed/Published/Awarded	:	02 (Granted), 06 (Published)
10.	Ph.D. Thesis Guided /Guiding	:	Awarded: 04, Guiding – 06
11.	Conference Attended/FDP/STP Attended/	:	Conference Attended: 25 FDP attended: 8

	Delivered Expert/Extension Lecture / Session Chair/Co-Chair		Expert/Extension Lecture Delivered: 6 Session Chair: 2 Session Co-Chair: 1
12.	MCA/M.Sc. Projects & M.Tech. Thesis guided	:	MCA/M.Sc. Projects: about 95; M.Tech Thesis: 12

Ph.D. Thesis Guided & Awarded – Four (04)

S.No.	Name of Scholar	Year	Title of Thesis
1.	Ritu Ratra	2023	Design and Implementation of Privacy Preserving Algorithm(s) For Big Data in Healthcare
2.	Sangeeta	2023	Design and Implementation of Joint Architecture for Video Compression and Object Detection for Efficient Video Analytics
3.	Palak	2021	Design and Implementation of Hybrid Testing Techniques for Quality Enhancement of Component-Based Software
4.	Hemlata	2019	Design and Analysis of Various Data Mining Techniques using Big Data

Patents Published/Awarded

S.No	Title of Patent	Name of Inventors	Current Status	Date	Application No./Grant/Publish ed details
1	Deep Compress Video Codec – Video Analytics Friendly Smart Video Compression System	Sangeeta Yadav, Dr. Preeti Gulia, Dr. Nasib Singh Gill	Granted	08/08/2023	Patent No: 443578 Grant Date: 09/08/2023 Application No: 202211006186
2	Hybrid Deep Learning Model for Detection of Security Attacks in IoT Environment	Amit Sagu, Dr. Nasib Singh Gill, Dr. Preeti Gulia	Published	22/07/2022	Application No: 202211040819 A Published on: 22/07/2022 Patent Office Journal No:

					29/2022
3	COVIDET – A Novel Hybrid Deep Learning Model for COVID-19 Detection Using Chest X-rays	Chhaya Gupta, Dr. Nasib Singh Gill, Dr. Preeti Gulia	Published	22/07/2022	Application No: 202211041129 A Published on: 22/07/2022 Patent Office Journal No: 29/2022
4	Method to Improve Human Activity Recognition for Enhanced Video Surveillance and Security	Chhaya Gupta, Dr. Nasib Singh Gill, Dr. Preeti Gulia	Published	17/02/2023	Application No: 202311006869 A Published on: 17/02/2023 Patent Office Journal No: 29/2022
5	A system for real-time underwater trash detection using fine-tuned yolov8	Dr. Nasib Singh Gill, Dr. Preeti Gulia, Chhaya Gupta, Sangeeta Yadav	Granted	29/06/2023	German Patent No: 20 2023 103 167 Date: 19/06/2023
6	Method For Digital Image Evidence Encryption for Secure and Temper Proof Digital Forensics in IoT	Deepti Rani, Dr. Nasib Singh Gill, Dr. Preeti Gulia	Published	23/06/2023	Application No: 202311030951 A Published on: 23/06/2023 Patent Office Journal No: 25/2023
7	A Method To Predict Traffic Congestion in IoT Enabled Smart City	Ayushi Chahal, Dr. Preeti Gulia, Dr. Nasib Singh Gill	Published	17/03/2023	Application No: 202311014362 A Published on: 17/03/2023 Patent Office Journal No: 11/2023
8	Hybrid Anonymization Technique for Privacy Preservation in Healthcare Sector	Ritu Ratra, Dr. Preeti Gulia, Dr. Nasib Singh Gill	Published	02/09/2022	Application No: 202211048097 A Published on: 02/09/2022 Patent Office Journal No: 35/2022

Research Papers/Articles Published in International/National Journals

1. Amit Sagu, Nasib Singh Gill and Preeti Gulia, J.M. Chatterjee (February, 2024), “**Hybrid Optimization Algorithm for detection of Security Attacks in IoT enabled Cyber-Physical Systems**, IEEE Transaction on Big Data[**SCIE, Scopus, UGC-Care Listed**] (**Impact Factor: 7.2**).
2. Swati Gupta, Balkishan, Preeti Gulia (February, 2024), "**Comparative Analysis of Predictive Algorithms for Performance Measurement**", IEEE Access, DOI: 10.1109/ACCESS.2023.3276863 [**SCIE, SCOPUS, IF-3.9**]
3. Sangeeta, Gulia, P., Gill Nasib Singh et al. (February, 2024), "**An Analysis to Investigate Plant Disease Identification based on Machine Learning techniques**", Expert Systems, (<https://onlinelibrary.wiley.com/doi/abs/10.1111/exsy.13382>) [**SCIE, SCOPUS, IF-2.812**]
4. Deepak, Gulia, P., Gill Nasib Singh et al. (February, 2024), "**Exploring the Potential of Blockchain Technology in an IoT-Enabled Environment: A Review**", IEEE Access, DOI: 10.1109/ACCESS.2023.3276863 [**SCIE, SCOPUS, IF-3.9**]
5. Gupta C, Gill Nasib Singh, Gulia, P, Chatterjee, J.M. (February,2024), “ **A Novel Fine-tuned YOLOv8 model for Real-time Underwater Trash Detection**”, Journal of Real-Time Image Processing, doi: 10.1007/s11554-023-01299-3 [**SCIE,SCOPUS, IF: 2.293**]
6. Nisha, Gill Nasib Singh, Preeti Gulia (February, 2024), "**A Review of Intrusion Detection System and Security Threats in IoT Enabled Environment**", Indonesian Journal of Electrical Engineering and Computer Science[**SCOPUS**]
7. Nisha, Gill Nasib Singh, Preeti Gulia (January, 2024), "**A Review on Machine Learning based Intrusion Detection System for IoT Enabled Environment**", International Journal of Electrical and Computer Engineering[**SCOPUS**]
8. Deepti Rani, Gill Nasib Singh, Preeti Gulia (January, 2024), "**A Forensic Framework to Improve Digital Image Evidence Administration in IIoT**", Journal of Industrial Information Integration, Volume 38(9), pp. 1-30, DOI: 10.1016/j.jii.2024.100568 [**SCIE, SCOPUS, IF-15.7**]
9. Ayushi Chahal, Preeti Gulia, Nasib S. Gill, Nishat Sultana (January, 2024), "**Aquila Optimizer-Based Hybrid Predictive Model for Traffic Congestion in an IoT Enabled Smart City**", International Journal of Intelligent Systems, Volume 2024, Article ID 5577278, pp. 1-20, ISSN: 0884-8173 (Print), ISSN: 1098-111X (Online), DOI: 10.1155/2024/5577278 [**SCIE, SCOPUS, IF-7.0**]
10. Sangeeta, Gulia, P., Gill Nasib Singh et al. (January, 2024), "**Design of a Lightweight Compressed Video Stream-based Patient Activity Monitoring System**", Computer Material & Continua, Volume. 78(1), pp. 1-10, DOI: 10.32604/cmc.2023.042869 [**SCIE, SCOPUS, IF-3.86**]
11. Gupta C, Gill Nasib Singh, Gulia, P et al. (November, 2023), "**A Real-Time 3-Dimensional Object Detection Based Human Action Recognition Model**", IEEE Open

Journal of the Computer Society, vol. 5, pp. 14-26, doi: 10.1109/OJCS.2023.3334528 [SCIE, SCOPUS, IF-5.9]

12. Ritu Ratra, Preeti Gulia, Nasib Singh Gill (October, 2023), “**Performance analysis of perturbation-based privacy preserving techniques: an experimental perspective**”, International Journal of Electrical and Computer Engineering, Vol. 13(5), pp. 5273-5281. DOI:10.11591/ijece.v13i5.pp5273-5281[SCOPUS INDEXED]
13. Sangeeta, Gulia, P., Gill Nasib Singh et.al (2023), “**Video Object Detection From Compressed Formats for Modern Lightweight Consumer Electronics**”, IEEE Transactions on Consumer Electronics [SCIE, SCOPUS, IF-4.414]
14. Deepti Rani, Gill Nasib Singh, Preeti Gulia, Fabio Arena, Giovanni Pau (June, 2023), “**Design of an Intrusion Detection Model for IoT-Enabled Smart Home**”, IEEE Access, Vol. 11, pp. 52509-52526, DOI: 10.1109/ACCESS.2023.3276863 [SCIE, SCOPUS, IF-3.9]
15. Sangeeta, Gulia, P., Gill Nasib Singh et.al (June, 2023), “**Object detection and classification from compressed video streams**”, Expert Systems, pp. 1-14 (<https://onlinelibrary.wiley.com/doi/abs/10.1111/exsy.13382>) [SCIE, SCOPUS, IF-2.812]
16. Bharti B., Gill Nasib Singh and Gulia P. (June, 2023), “**Exploring machine learning techniques for fake profile detection in online social networks**”, International Journal of Electrical and Computer Engineering (IJECE). [ESCI, SCOPUS, IF-0.376]
17. Saini, A., Gill Nasib Singh, Gulia, P. (May, 2023), “**Gray scale image denoising technique using regression based residual learning**”, Multimedia Tools and Applications, <https://doi.org/10.1007/s11042-023-15603-7> [SCI, SCOPUS, IF: 3.6]
18. Gupta C, Gill Nasib Singh, Gulia, P, Chatterjee, J.M. (April, 2023), “**A Novel Fine-tuned YOLOv6 transfer learning model for real-time object detection**” in Journal of Real-Time Image Processing, Vol. 20, no. 3, doi: 10.1007/s11554-023-01299-3 [SCIE, SCOPUS, IF: 3.0]
19. Chahal, A, Gulia, P., Gill Nasib Singh, Priyadarshini, I. (April, 2023), “**A Hybrid Univariate Traffic Congestion Prediction Model for IoT-Enabled Smart City**” Information, Vol. 14, p.268, <https://doi.org/10.3390/info14050268> [SCIE, SCOPUS, IF: 3.1]
20. Sagu A., Gill Nasib Singh, Gulia P., Singh P. K., and Hong W. C., (Jan, 2023) “**Design of Metaheuristic Optimization Algorithms for Deep Learning Model for Secure IoT Environment**”, Sustainability, vol. 15, no. 3, Art. no. 3, Jan. 2023, doi: 10.3390/su15032204. [SCIE, SCOPUS, IF-3.9]
21. Sagu A., Gill Nasib Singh, Gulia P., Chatterjee J. M., and Priyadarshini I. (Oct, 2022), “**A Hybrid Deep Learning Model with Self-Improved Optimization Algorithm for Detection of Security Attacks in IoT Environment**”, Future Internet, Vol. 14, no. 10, doi: 10.3390/fi14100301. [SCIE, SCOPUS, IF-3.4]

22. Sangeeta, Preeti Gulia, Nasib Singh Gill (August, 2022), “**Flow-MotionNet: A Deep Learning based Video Compression Architecture**”, Multimedia Tools and Applications [SCI, Scopus, UGC-Care Indexed] (Impact Factor: 3.6)
23. Ritu Ratra, Preeti Gulia, Nasib Singh Gill, J.M. Chatterjee (August, 2022), “**Big Data Privacy Preserving using Principal Component Analysis and Random Projection in Healthcare**”, Mathematical Problem In Engineering, E-ISSN 1024-123X, [SCIE, Scopus, UGC-Care Listed] (Impact Factor: 1.23).
24. A. Chahal, P. Gulia, Nasib Singh Gill, J.M. Chatterjee (August, 2022), “**Performance analysis of an optimized ANN model to predict the stability of Smart Grid**”, Complexity, [SCIE, Scopus, UGC-Care Listed] (Impact Factor: 2.7)
25. Deepti Rani, Nasib Singh Gill and Preeti Gulia (July, 2022), “**Classification of Security Issues and Cyber Attacks in Latered Internet of Things**”, Journal of Theoretical and Applied Information Technology, Vol. 100, Issue-13 pp. 4895-4913, ISSN: 1992-8645, E-ISSN: 1817-3195 [Scopus, UGC-Care Indexed]
26. Chhaya Gupta, Nasib Singh Gill and Preeti Gulia (July 2022), “**SSDT : Distance Tracking Model Based on Deep Learning**”, International Journal of Electrical and Computer Engineering Systems, Vol. 13, no. 5, pp. 339–348, ISSN: 1847-6996, **Impact Factor -1.7. [ESCI, SCOPUS INDEXED]** DOI: 10.32985/ijeces.13.5.2 URL: <https://ijeces.ferit.hr/index.php/ijeces/article/view/1031>
27. Sangeeta, Preeti Gulia, Nasib Singh Gill (May, 2022), “**Flow incorporated Neural Network based Lightweight Video Compression Architecture**”, Indonesian Journal of Electrical Engineering and Computer Science [Scopus, UGC-Care Indexed] <https://ijeeecs.iaescore.com/index.php/IJEECS/article/view/24641>
28. Amit Sagu, Nasib Singh Gill and Preeti Gulia, J.M. Chatterjee (July, 2022), “**Design and Implementation of Hybrid Optimization Algorithm for Detection of Security Attacks in IoT Enabled Environment**”, Wireless Communications and Mobile Computing, ISSN: 1530- 8677, [SCIE, Scopus, UGC-Care Listed] (Impact Factor: 2.557).
29. Deepti Rani, Nasib Singh Gill and Preeti Gulia, J.M. Chatterjee (May, 2022), “**An Ensemble Based Multiclass Classifier for Intrusion Detection Using Internet of Things**” Computational Intelligence and Neuroscience [SCIE, Scopus, UGC-Care Listed] (Impact Factor: 3.120)
30. Rashi Singh, Nasib Singh Gill and Preeti Gulia (April, 2022), “**A Comparative Performance Analysis of Modeling and Simulation tools for Smart Grid**”, International Journal of Engineering Trends and Technology, Vol.70, Issue-4, pp:332-342. [Scopus, UGC-Care Listed]
31. Sangeeta, Preeti Gulia, Nasib Singh Gill, J. M. Chatterjee (April,2022), “**A real-Time Crowd Monitoring and Management System for Social Distance Classification and Healthcare using Deep Learning**”, Journal of Healthcare Engineering, Vol. 2022, ISSN: 2231-5381 (SCIE Indexed, SCOPUS Indexed)

32. Ayushi, Preeti Gulia, Nasib Singh Gill (February, 2022), **“Different Analytical Frameworks and Big Data Models for IoT”**, Indonesian Journal of Electrical Engineering and Computer Science (IJEECS), Vol. 25, no.2, pp. 1159-1166 (**SCOPUS Indexed, UGC CARE Listed**).
33. Ritu Ratra, Preeti Gulia, Nasib Singh Gill (February, 2022). **“Evaluation of Re-Identification Risk using Anonymization and Differential Privacy in Healthcare”**, International Journal of Advanced Computer Science and Applications (IJACSA), Vol. 13(2), pp. 563-570, (WoS (Thomson Reuter Listed), **SCOPUS Indexed, UGC CARE listed**).
34. Deepti Rani, Nasib Singh Gill and Preeti Gulia (January, 2022), **“Design of a Cloud-Blockchain-based Secure Internet of Things Architecture”**, International Journal of Advanced Computer Science and Applications 13(8) DOI:10.14569/IJACSA.2022.0130851[**ESCI, SCOPUS, IF- 0.9**]
35. Amit Sagu, Nasib Singh Gill and Preeti Gulia (January, 2022). **“Hybrid Deep Neural Network Model for Detection of Security Attacks in IoT Enabled Environment”**, International Journal of Advanced Computer Science and Applications (IJACSA), Vol. 13(1), pp. 120-127, (WoS (Thomson Reuter Listed), **SCOPUS Indexed, UGC CARE listed**)
36. Sangeeta, Preeti Gulia, Nasib Singh Gill (2021). **“Comprehensive Analysis of Flow incorporated Neural Network based Lightweight Video Compression Architecture”**, International Journal of Advanced Computer Science and Applications, Vol. 12, issue 3, pp. 503-508, ISSN: 2231-5381 (WoS - Thomson Reuter Listed), **SCOPUS Indexed, UGC CARE listed**)
37. Sangeeta Rani, Nasib Singh Gill, Preeti Gulia (2021). **“Survey of Tools and Techniques for Sentiment Analysis of Social Networking Data”**, International Journal of Advanced Computer Science and Applications (IJACSA), Vol. 12(4), pp. 222-232, (WoS -Thomson Reuter Listed), **SCOPUS Indexed, UGC CARE listed**)
https://thesai.org/Downloads/Volume12No4/Paper_30-Survey_of_Tools_and_Techniques_for_Sentiment_Analysis.pdf.
38. Palak, Preeti Gulia, Nasib Singh Gill (June, 2021), **“Hybrid Swarm Intelligence - Based Software Testing Techniques for Improving Quality of Component Based Software”**, Indonesian Journal of Electrical Engineering and Computer Science (IJEECS), Vol. 22, No. 3. **SCOPUS Indexed, UGC CARE Listed**.
39. Palak, Preeti Gulia, Nasib Singh Gill(March, 2021), **“An Enhanced Artificial Bee Colony: Naïve Bayes Technique for Optimizing Software Testing”**, International Journal of Advanced Computer Science and Applications, Vol. 12, issue 2, pp. 39-45, ISSN: 2231-5381(WoS (Thomson Reuter Listed), **SCOPUS Indexed, UGC CARE listed**)
40. Palak, Preeti Gulia, Nasib Singh Gill(March, 2021), **“Optimized Test Case Selection using Scout-less Hybrid Artificial Bee Colony Approach and Crossover Operator”**,

- International Journal of Engineering Trends and Technology*, Vol 69, issue 3, pp. 39-45, ISSN: 2231-5381(SCOPUS Indexed, UGC CARE listed) **IF: 2.88, H Index:34**
41. Amit Sagu, Nasib Singh Gill, Preeti Gulia(November,2020), “ **Artificial Neural Network for the Internet of Things Security**”, *International Journal of Engineering Trends and Technology*, Vol 68, issue 11, pp. 137-144, ISSN: 2231-5381(SCOPUS Indexed, UGC CARE listed) **IF: 2.88, H Index:34**
 42. Ritu Ratra, Preeti Gulia(August, 2020), “**Experimental Evaluation of Open Source Data Mining Tools(WEKA and Orange)**”,*International Journal of Engineering Trends and Technology*, Vol 68, issue 8, pp. 30-35, ISSN: 2231-5381(SCOPUS Indexed, UGC CARE listed) **IF: 2.88, H Index:34**
 43. Sangeeta, Preeti Gulia(July,2020), “**Deep Learning based combating strategy for COVID-19 induced increased Video consumption**”,*International Journal of Engineering Trends and Technology*, Vol 68, issue 7, pp. 78-82, ISSN: 2231-5381(SCOPUS Indexed, UGC CARE listed) **IF: 2.88, H Index:34**
 44. Sangeeta Rani, Nasib Singh Gill, Preeti Gulia (2020). “**Analyzing Impact of Number of Features on Efficiency of Hybrid Model of Lexicon and Stack Based Ensemble Classifier for Twitter Sentiment Analysis using WEKA Tool**”, ‘Indonesian Journal of Electrical Engineering and Computer Science’, vol. 22(2), pp 433-443, (SCOPUS Indexed, UGC CARE listed)<http://ijeecs.iaescore.com/index.php/IJECS/article/view/24322>.
 45. Preeti Gulia, Hemlata(July,2020), “**Legal Models in Privacy-Preserving Big Data Mining**”,*International Journal of Engineering Trends and Technology*, Vol. 68, issue 7, pp. 83-92, ISSN: 2231-5381(SCOPUS Indexed, UGC CARE listed) **IF: 2.88, H Index: 34**
 46. Preeti Gulia, Hemlata(July,2020), “**Legal issues related to Big Data**”, *International Journal of Advanced Research in Engineering and Technology*, Vol 11, issue 7, pp-629-638, ISSN: 0976-6480 & 0976-6499 (SCOPUS Indexed, UGC CARE listed)**IF-10.94**
 47. Sangeeta, Preeti Gulia(July,2020), “**Performance Analysis of Advancements in Video Compression with Deep Learning**,*International Journal of Electrical Engineering & Technology (IJEET)*, Vol. 11, Issue 5, pp. 137-143, ISSN:0976-6545/ 0976-6553 (SCOPUS Indexed, UGC CARE listed)**IF-10.19**
 48. Ayushi Chahal, Preeti Gulia(July,2020), “**Deep Learning: A Predictive IoT Data Analytics Method**”, *International Journal of Engineering Trends and Technology*, ISSN: 2231-5381(SCOPUS Indexed, UGC CARE listed)**IF: 2.88, H Index:34**
 49. Preeti Gulia, Ayushi Chahal(June,2020), “**Big Data Analytics for IoT**”, *International Journal of Advanced Research in Engineering and Technology*, Vol. 11, issue 6, pp-593-603, ISSN: 0976-6480 & 0976-6499(SCOPUS Indexed, UGC CARE listed) **IF-10.94**
 50. Ritu Ratra, Preeti Gulia(2019), “ **Big Data Tools and Techniques: A Roadmap for Predictive Analytics**”, *International Journal of Engineering and Advanced*

- Technology(IJEAT)*, vol. 9, issue-2, pp....., ISSN: 2249-8958, (**SCOPUS Indexed, UGC CARE listed**)
51. Hemlata and Preeti Gulia(2019), "**Experimental Evaluation of Open Source Data Mining Tools: R, RapidMiner and KNIME**", *International Journal of Innovative Technology and Exploring Engineering (IJITEE)*, vol. 9, issue-1, pp. 4133-4144, ISSN: 2278-3075, (**SCOPUS Indexed, UGC CARE listed**)
 52. Palak, Preeti Gulia (2019), "**Hybrid Swarm and GA Based Approach for Software Test Case Selection**", *International Journal of Electrical and Computer Engineering (IJECE)*,vol. 9, no. 6, pp. 4898-4903, ISSN: 2088-8708 (**SCOPUS indexed and UGC Approved Journal**)
 53. Ayushi Chahal, Preeti Gulia (2019), "**Machine Learning and Deep Learning**", *International Journal of Innovative Technology and Exploring Engineering (IJITEE)*, vol.- 8, issue-12, pp. 4910-4914, ISSN: 2278-3075, (**SCOPUS Indexed, UGC CARE listed**)
 54. Hemlata and Preeti Gulia (2018) "**DCI³ Model for Privacy Preserving in Big Data**" DOI: https://doi.org/10.1007/978-981-10-6620-7_34. (**Big Data Analytics 2018 Volume 654**) pp 351-362, ISSN 2194-5357©Springer Nature Singapore Pte Ltd. 2018. (**SCOPUS indexed book**)
 55. Preeti Gulia, Palak (2018),"**Ant Colony Optimization based Test case Selection for Component Based Software**", *International Journal Of Engineering & Technology*,vol. 7, issue.4, pp. 2743-2745 (**SCOPUS Indexed**)
 56. Preeti Gulia and Hemlata (2018) "**Privacy-Preserving Data Mining of Vertically Partitioned Data in Distributed Environment- An Experimental Analysis**"*Journal of Theoretical and Applied Information Technology*, vol. 96, no. 10, pp. 2973-2987, ISSN 1992-8645. (**Thomson Reuters listed, SCOPUS indexed, UGC Approved Journal**)
 57. Hemlata and Preeti Gulia(2018) "**Big Data Mining application in Fasteners manufacturing market by using Apache Mahout**"*International Journal of Engineering Research and Technology*, vol.-11, no. 6, pp. 881-896, ISSN: 0974-3154 (**SCOPUS Indexed, ICI Indexed**)
 58. Preeti Gulia, Palak (2018),"**Component Based Software Development Life Cycle Models: A Comparative Review**", *Oriental Journal Of Computer Science & Technology*, vol. 10, no. 2, pp. 467-473, ISSN: 2320-8481(**UGC Approved Journal, ICI Indexed**), NAAS:**4.79**
 59. Hemlata and Preeti Gulia (2017) - "**Novel Algorithm for PPDM of Vertically Partitioned Data**", *International Journal of Applied Engineering Research* ISSN 0973-4562 Volume 12, Number 12 pp. 3090-3096. (**SCOPUS indexed, ICI, UGC Approved Journal**)
 60. Anju, Preeti Gulia (2017), "**Enhancement in K-Mean Clustering in Big Data**", *International Journal of Advanced Research in Computer Science*, ISSN: 0976-5697(**ICI Indexed, UGC Approved Journal**)

61. Aastha, Preeti Gulia (2017), “**Securing RFID from External Attacks Using Enhanced Security Mechanism**”,*International Journal of Advanced Research in Computer Science*, vol. 8, issue 2, ISSN: 0976-5697(**ICI Indexed, UGC Approved Journal**)
62. Dimple, Preeti Gulia (2017), “**Critical Review of Security Attacks in Wireless PAN**”,*International Journal of Computer Applications*, ISSN: 0975 – 8887
63. Reena, Preeti Gulia (2017), “**Review of Security in AD-HOC Networks Using FTP**”,*Advances in Computational Sciences and Technology*, ISSN 0973-6107(**ICI Indexed, UGC Approved Journal**)
64. Preeti Gulia, Palak (2017), “**Nature Inspired Soft Computing Based Software Testing Techniques For Reusable Software Components**”, *Journal of Theoretical and Applied Information Technology*, ISSN: 1992-8645 (**SCOPUS Indexed, Thomson Reuter Listed**)
65. Preeti Gulia, Reena (2017), “**A Novel Technique of Security Improvement in Ad-hoc Network by using FTP**”, *International Journal of Applied Engineering Research*, ISSN 0973-4562 (**SCOPUS Indexed**)
66. Hemlata and Preeti Gulia (2016), "**Big Data Analytics**"*Research Journal of Computer and Information Technology Sciences*, International Science Community Association, Vol. 4(2), 1-4, E-ISSN 2320 – 6527.
67. Anju, Preeti Gulia (2016), “**Clustering in Big Data: A Review**”, *International Journal of Computer Applications*, vol. 153, issue 3, pp. 44-47, ISSN : 0975-8887
68. Hemlata and Preeti Gulia (2016),“**Comprehensive Study of Open-Source Big Data Mining Tools**”*International Journal of Artificial Intelligence and Knowledge Discovery* Vol.6, No.1 E-ISSN 2231-0312(**UGC Approved journal**)
69. Preeti Gulia, Jyoti Chugh(2015), “**Comparative Analysis of Traditional and Object-Oriented Software Testing**”, *ACM SIGSOFT Software Engineering Notes*, 40(2),1-4
70. Hemlata and Preeti Gulia (2015), “**Techniques and Algorithms of PPDM**”*International Journal for Scientific Research & Development* Vol. 3, Issue 04. ISSN: 2321-0613. (Impact factor 4.396) IC Value 66.68.(**UGC Approved journal**)
71. Ritu Garg, Preeti Gulia(2015), “**Comparative Studu of Frequent Itemset Mining Algorithms Apriori and FP Growth**”, *International Journal of Computer Applications*, vol. 126, issue:4, pp. 8-12, ISSN: 0975-8887
72. Deepika, Preeti Gulia(2014), “**Improve Performance of Load Balancing using Artificial Bee Colony in Grid Computing**”,*International Journal of Computer Applications*, 86(14), ISSN: 0975-8887. (**UGC Approved Journal**)
73. Anuranjan Misra, Anshul Sharma, Preeti Gulia, Akanksha Bana(2014), “**Big Data: Challenges and Opportunities**”, *International Journal of Innovative Technology and Exploring Engineering (IJITEE)*, 4(2), ISSN: 2278-3075.
74. Anshul Sharma, Preeti Gulia(2014), “**Analysis Of Big Data**”, *International Journal of Computer Science and Mobile Computing*, 3(9),56 – 68, ISSN: 2320-088X.
75. Anshul Sharma, Preeti Gulia(2014), “**Optimizing BIG Data**”, *International Journal of*

Computer Science and Mobile Computing, 3(9),69-81, ISSN: 2320-088X.

76. Anil Kumar, Preeti Gulia, Shikha Sharma(2014), “**A Study on Power saving and Secure WSN**”, *International journal of Engineering Trends and Technology*, 11(4), 192-201, ISSN: 2231-5381.
77. Preeti Gulia, Sumedha Sood(2013), “**Dynamic ranking and selection of cloud providers using service level agreement**”, *International Journal Of Advanced Research in Computer Science and Software Engineering(IJARCSSE)*, 3(6), 93-101, ISSN: 2277 128X.
78. Preeti Gulia, Sumedha Sood(2013), “**Cost effective approach for automatic service provider selection in cloud computing**”, *International Journal of Engineering Research and applications (IJERA)*, 3(4)422-427, ISSN: 2248-9622.
79. Preeti Gulia, Sumedha Sood(2013), “**Automatic Selection & ranking of Cloud Providers using Service Level Agreements**”, *International Journal of Computer Applications*, vol. 72,no. 11, pp. 45-52, ISSN: 0975-8887(UGC Approved Journal)
80. Preeti Gulia, Sumedha Sood(2013), “**Comparative Analysis of present day clouds using Service Level Agreements**”, *International Journal of Computer Applications*, vol. 71,no. 3, pp. 1-9, ISSN: 0975-8887(UGC Approved Journal)
81. Preeti Gulia and Sumedha Sood(2013), “**Towards Automatic Selection of cloud providers**”, *International Journal of Computer Science Issues(IJCSI)*.
82. Preeti Gulia, Sumita Sihag(2013), “**Review and Analysis of the Security Issues in MANET**”, *International Journal of Computer Applications*, vol. 84,no. 1, pp. 23-26, ISSN: 0975-8887(UGC Approved Journal)
83. Preeti Gulia, Sumita Sihag(2013), “**Enhance Security in MANET using Bacterial Foraging Optimization algorithm**”, *International Journal of Computer Applications*, vol. 84,no. 1, pp. 32-35, ISSN: 0975-8887(UGC Approved Journal)
84. Preeti Gulia ,Deepika(2013), “**Analysis and Review of Load Balancing in Grid Computing using Artificial Bee Colony**”,*International Journal of Computer Applications*, Vol. 71(20), pp:33-40, ISSN: 0975-8887. (UGC Approved Journal)
85. Preeti Gulia, Rajender Singh Chhillar(2012), “**New proposed Inheritance Metrics to measure the software complexity**”, *International Journal of Computer Applications*, Vol. 58(21), pp:1-4, ISSN: 0975-8887
86. Preeti Gulia, Rajender Singh Chhillar(2012), “**A new approach to generate and optimize test cases for UML state diagram using genetic algorithm**”, *ACM SIGSOFT Software Engineering Notes*, Vol. 37(3), pp: 1-5.
87. Preeti Gulia, Rajender Singh Chhillar (2012), “**Test cases reduction with Regression testing**”, *Review of Business and Technology Research*, Vol. 5(1),pp:464-472,ISSN: 1941-9414
88. Anubha, Preeti Gulia(2012), “**Data Compression in Wireless Sensor Network**”, *International Journal of Computer Science & Management Studies*,vol.-12, pp: 93-96, ISSN: 2231-5268.

89. Yashpal Rohilla, Preeti Gulia(2012), “**Comparative study of wireless mesh and ad-hoc network: A cross layer design approach**”, *International Journal on Computer Science and Engineering*, Vol. 4(6), pp:1181-1184, ISSN: 0975-3397.
90. Sandhya, Preeti Gulia(2012), “**Content based Image Retrieval through Clustering**”,*International Journal of Computer Science & Management Studies*, Vol. 12, pp: 6-8, ISSN: 2231-5268.
91. Yashpal Rohilla, Preeti Gulia(2012), “**Resource allocation in Cellular Network: A Cross layer approach**”, *International Journal of Engineering Research and Applications*, Vol. 2 (4), pp: 912-915, ISSN: 2248-9622.
92. Sandhya, Preeti Gulia(2012), “**Implementation of CBIR Method and its Architecture**”, *International Journal of Computer Science & Management Studies*, Vol. 12, pp: 69-75, ISSN: 2231-5268.
93. Preeti Gulia(2012), “**Priority based Resource allocation in Cellular Network**”, *International Journal of Computer Application*, Vol. 4(2), pp: 65-68, ISSN: 2250-1797.
94. Anubha Barak, Preeti Gulia(2012), “**Temporal Data Compression in Wireless Sensor Network using LZW**”, *International Journal of Computer Science & Management Studies*, Vol. 12, pp: 97-103, ISSN: 2231-5268.
95. Preeti Gulia, Rajender Singh Chhillar(2011), “**Design based Object-Oriented Metrics to measure Coupling and Cohesion**”, *International journal of Engineering Science and Technology*, vol.3, no. 11, pp. 8178-8185, ISSN: 0975-5462

Publications in International/National Conferences/ Seminar

96. Preeti Gulia, (February 2024), “**A State-of-the-Art Review of Deep Learning-Based Object Detection Methods and Techniques**” in International Conference on Innovation Computing and Communication (ICICC)
97. Preeti Gulia (February 2024), “**The role of AI and Machine Learning for a Sustainable Future**” in 2nd International Conference of Indian Science Congress Association- Rohtak Chapter “Science & Technology for Sustainable Future” organized by University Institute of Engg. & Technology, M.D. University, Rohtak
98. Nasib Singh Gill, Preeti Gulia, Amit Sagu, and Bharti Goyal (October 2023), “**Preserving Users’ Sensitive Data in Physical and Virtual World Using Machine Learning: A Strategy**”, the 7th International Conference on Information System and Data Mining (ICISDM), Atlanta USADOI:10.1145/3603765.3603773.
99. Chhaya Gupta, Sangeeta Yadav, Nasib Singh Gill and Preeti Gulia (March 2023),”**Early Detection for Type- Diabetes Using A Machine Learning Approach**”, Proc. National Conference on Computational Intelligence and Data Science (NCCIDS); 2023; Department of Computer Science & Applications, MDU, Rohtak, pp. 53-57.
100. Bharti Goyal, Nasib Singh Gill and Preeti Gulia (March 2023), “**Detection of Fake Profiles on Online Social Media: A Strategy**”. Proc. National Conference on

- Computational Intelligence and Data Science (NCCIDS); 2023; Department of Computer Science & Applications, MDU, Rohtak, pp. 78-82.
101. Sangeeta Yadav, Chhaya Gupta, Preeti Gulia, Nasib Singh Gill (March 2023). **“Analytical Review of Deep Learning Strategies for Improved Video Compression”**. Proc. National Conference on Computational Intelligence and Data Science (NCCIDS); 2023; Department of Computer Science & Applications, MDU, Rohtak, pp. 112-117.
 102. Sangeeta Duhan, Preeti Gulia and Nasib Singh Gill, Ashish Saini (March 2023), **“Disease Identification in Rice Plants Using Machine Learning: A Review”**. Proc. National Conference on Computational Intelligence and Data Science (NCCIDS); 2023; Department of Computer Science & Applications, MDU, Rohtak, pp. 122-126.
 103. Ritu Ratra, Preeti Gulia, Nasib Singh Gill (March 2023), **“Security and Privacy Issues in Internet of Things (IoT) Assembled Environment: A Review”**. Proc. National Conference on Computational Intelligence and Data Science (NCCIDS); 2023; Department of Computer Science & Applications, MDU, Rohtak, 127-133.
 104. Aarti Punia Rathee, Preeti Gulia, Nasib Singh Gill and Deepak Kaushik (March 2023), **“Relevance of Blockchain Technology in Digital World: A Review”**. Proc. National Conference on Computational Intelligence and Data Science (NCCIDS); 2023; Department of Computer Science & Applications, MDU, Rohtak, pp. 146-150.
 105. Nisha, Nasib Singh Gill, Preeti Gulia (March 2023), **“A Comprehensive Review of Intrusion Detection System for IoT Enabled Environment”**. Proc. National Conference on Computational Intelligence and Data Science (NCCIDS); 2023; Department of Computer Science & Applications, MDU, Rohtak, pp. 200-203.
 106. Deepti Sehrawat, Munisha Devi, Nasib Singh Gill and Preeti Gulia (March 2023), **“5g and IoT: Next-Generation Wireless Technologies”**. Proc. National Conference on Computational Intelligence and Data Science (NCCIDS); 2023; Department of Computer Science & Applications, MDU, Rohtak, pp. 229-233.
 107. Rashi Singh, Nasib Singh Gill, and Preeti Gulia, Amit Sagu (March 2023), **“The Intrusion Detection System for Ensuring Security in the Smart Grid: A Review”**. Proc. National Conference on Computational Intelligence and Data Science (NCCIDS); 2023; Department of Computer Science & Applications, MDU, Rohtak, pp. 250-254.
 108. Deepak Kaushik, Preeti Gulia, Nasib Singh Gill and Aarti Punia Rathee (March 2023), **“A Review of Blockchain Technology in IoT-Based Smart Environments: Benefits, Applications, and Challenges”**. Proc. National Conference on Computational Intelligence and Data Science (NCCIDS); 2023; Department of Computer Science & Applications, MDU, Rohtak, pp. 272-276.
 109. Ayushi Chahal, Preeti Gulia and Nasib Singh Gill (March 2023), **“Predictive Analytics Techniques for IoT-Enabled Environment: A Comprehensive Review”**. Proc. National Conference on Computational Intelligence and Data Science (NCCIDS); 2023; Department of Computer Science & Applications, MDU, Rohtak, pp. 277-282.

110. Deepti Rani, Nasib Singh Gill and Preeti Gulia (March 2023),“**A Comparative Study of Recent Encryption Techniques and Cryptographic Hash Functions for Digital Information Security**”. Proc. National Conference on Computational Intelligence and Data Science (NCCIDS); 2023; Department of Computer Science & Applications, MDU, Rohtak, pp. 283-288.
111. Priyanka Singh, Nasib Singh Gill, Preeti Gulia (March 2023),“**Data-Driven Intelligent Decision Making in Smart Healthcare**”. Proc. National Conference on Computational Intelligence and Data Science (NCCIDS); 2023; Department of Computer Science & Applications, MDU, Rohtak, 326-330.
112. Palak, Dr. Preeti Gulia, Dr. Satish Kumar, Ms. Venu (March 2023),“**IoT Security Challenges and Prospective Measures**”. Proc. National Conference on Computational Intelligence and Data Science (NCCIDS); 2023; Department of Computer Science & Applications, MDU, Rohtak, 355-362.
113. Rahul, Preeti Gulia, Nasib Singh Gill (March 2023),“**Equipment’s of Blockchain Enabled E-Voting System**”. Proc. National Conference on Computational Intelligence and Data Science (NCCIDS); 2023; Department of Computer Science & Applications, MDU, Rohtak, pp. 509-513.
114. Preeti, Preeti Gulia, Nasib Singh Gill (March 2023),“**Internet of Things (IoT) Security and Privacy: A Review**”. Proc. National Conference on Computational Intelligence and Data Science (NCCIDS); 2023; Department of Computer Science & Applications, MDU, Rohtak, pp. 573-578.
115. Amit Sagu, Nasib Singh Gill, Preeti Gulia, Rashmi Singh (March 2023),“**Anomaly Detection Approaches for IoT Using Deep Learning Models: Review**”. Proc. National Conference on Computational Intelligence and Data Science (NCCIDS); 2023; Department of Computer Science & Applications, MDU, Rohtak, pp. 603-607.
116. Ashish Saini, Nasib Singh Gill, Preeti Gulia, Sangeeta Duhan (March 2023),“**Recent Advances in Image Denoising and Recognition Techniques: A Review**”. Proc. National Conference on Computational Intelligence and Data Science (NCCIDS); 2023; Department of Computer Science & Applications, MDU, Rohtak, pp. 608-612.
117. Bharti Yadav, Nasib Singh Gill, Preeti Gulia (March 2023),“**Machine Learning in Healthcare: A Review**”. Proc. National Conference on Computational Intelligence and Data Science (NCCIDS); 2023; Department of Computer Science & Applications, MDU, Rohtak, pp. 718-722.
118. Chhaya Gupta, Sangeeta Rao, Nasib Singh Gill and Preeti Gulia (2022). “A Deep Learning Based Framework for Analyzing Stress Factors Among Working Women” in International Conference on Innovations in Data Analytics (ICIDA)
119. Amit Sagu, Nasib Singh Gill, Preeti Gulia, Deepti Rani and Ayushi Chahal (2022). “**Comparative Analysis of Machine Learning Algorithms for Securing IoT Enabled Environment**”. 2022 International Conference on Computing, Communication, and Intelligent Systems (ICCCIS) 24-29. 10.1109/ICCCIS56430.2022.10037688.

120. Deepti Rani, Nasib Singh Gill, Preeti Gulia, Ayushi Chahal and Amit Sagu, (November 2022), “Digital Forensics in IoT Enabled Smart Environment: Need of the Hour”, 2022 International Conference on Computing, Communication, and Intelligent Systems (ICCCIS) DOI:[10.1109/ICCCIS56430.2022.10037625](https://doi.org/10.1109/ICCCIS56430.2022.10037625)
121. Ayushi Chahal, Preeti Gulia and Nasib Singh Gill (June 2021), “Intelligent IoT system and Vaccination analysis for Covid-19”, 2nd international conference on Data Analytics and Management (ICDAM-2021) Jan Wyzykowski University, Polkowise, Poland.
122. Sangeeta, Preeti Gulia(September 05-06, 2020), “**Improved video compression using variable emission step ConvGRU based architecture**”, Congress on Intelligent Systems 2020 (CIS-2020) (SCOPUS Indexed **Springer** Book Series, ‘Advances in Intelligent Systems and Computing’)
123. Sangeeta, Preeti Gulia(November 06-08, 2020), “**MotionNet architecture with Randomized Emission training strategy for adaptive bit rate video compression**”, 2020 Sixth International Conference on Parallel, Distributed and Grid Computing (PDGC. (SCOPUS Indexed, **IEEE Xplore** Proceedings)
124. Preeti Gulia, Sangeeta(May 02-03, 2020), “**Deep Learning based Video Compression: A Futuristic Approach**”, *1st Online International Conference on Rebuilding BHARAT with Artificial Intelligence Interventions after COVID-19 Pandemic: Opportunity and Challenges(A2ICP:2020)*, organized by Dept. of Computer Science and Engineering, University School of Information and Communication Technology, Gautam Buddha University, Greater Noida.
125. Preeti Gulia, Ayushi Chahal(May 02-03, 2020), “**Blockchain and its role in Education**”, *1st Online International Conference on Rebuilding BHARAT with Artificial Intelligence Interventions after COVID-19 Pandemic: Opportunity and Challenges(A2ICP:2020)*, organized by Dept. of Computer Science and Engineering, University School of Information and Communication Technology, Gautam Buddha University, Greater Noida.
126. Preeti Gulia, Ritu Ratra (May 02-03, 2020), “**Performance Analysis of ANN on different datasets**”, *1st Online International Conference on Rebuilding BHARAT with Artificial Intelligence Interventions after COVID-19 Pandemic: Opportunity and Challenges(A2ICP:2020)*, organized by Dept. of Computer Science and Engineering, University School of Information and Communication Technology, Gautam Buddha University, Greater Noida.
127. Preeti Gulia(May 02-03, 2020), “ **Comparative Study of Prediction-based models in Big Data Analytics**”, *1st Online International Conference on Rebuilding BHARAT with Artificial Intelligence Interventions after COVID-19 Pandemic: Opportunity and Challenges(A2ICP:2020)*, organized by Dept. of Computer Science and Engineering, University School of Information and Communication Technology, Gautam Buddha University, Greater Noida.
128. Preeti Gulia(March 27, 2019), “**Bio Inspired Computing for Software Test Case Reduction: A Hybrid Model**”, *National Conference on Emerging Trends in Smart*

- Computing(ETSC-19)*, organized by Dept. of Computer Science & Applications, M.D.University, Rohtak.
129. Preeti Gulia(March 27, 2019), “**Tools of Big Data Analytics: An Overview**”, *National Conference on Emerging Trends in Smart Computing(ETSC-19)*, organized by Dept. of Computer Science & Applications, M.D.University, Rohtak.
 130. Preeti Gulia(March 27, 2019), “**A Study of IoT Enabled Healthcare System**”, *National Conference on Emerging Trends in Smart Computing(ETSC-19)*, organized by Dept. of Computer Science & Applications, M.D.University, Rohtak.
 131. Preeti Gulia(March 27, 2019), “**Big Data raises Big Issues**”, *National Conference on Emerging Trends in Smart Computing(ETSC-19)*, organized by Dept. of Computer Science & Applications, M.D.University, Rohtak.
 132. Preeti Gulia(March 27, 2019), “**Video Compression based on Deep Learning**”, *National Conference on Emerging Trends in Smart Computing(ETSC-19)*, organized by Dept. of Computer Science & Applications, M.D.University, Rohtak.
 133. Preeti Gulia, Palak(March 4-5, 2020), “ **Role of ICT and Digitization for Rural development in India**”, *Ist International Conference of Indian Science Congress Association- Rohtak Chapter on Science & Technology: Rural Development* organized by Dept. of Chemistry, M.D.University, Rohtak
 134. Palak, Preeti Gulia(March 27, 2019),“**Bio Inspired Computing for Software Test Case Reduction: A Hybrid Model**”,*National Conference on Emerging Trends in Smart Computing (ETSE-19)* organized by DCSA, MDU, Rohtak
 135. Palak, Preeti Gulia(March 7, 2019),“**Cloud Based VANET: A Smarter Way Towards Road Safety**”,*National Seminar on Road accidents in India: Issue, Challenges and Measures*, organized by Govt. College, Sector 9, Gurugram
 136. Palak, Preeti Gulia(Dec 1-2, 2018),“**ACO and GA Based Test Suite Reduction for Component Based Software: A Hybrid Approach**”,*International Conference on Communication and Computing Systems (ICCS 2018)* organized by DCE, Gurgaon (Taylor and Francis CRC press)
 137. Preeti Gulia, Palak(October 25-26, 2018),“**Role of Internet of Things (IoT) For Building Smart Cities**”,*International Conference on Recent Trends and Advancements in Engineering and Technology (ICRTAET- 2018)* organized by Shri Mata Vaishno Devi University, Katra, J&K
 138. Palak, Dr. Preeti Gulia(Nov 21, 2017),“**Test Suite Reduction using Ant Colony Optimization for Reusable Software Component Interaction**”,*National Conference on Future Innovations in Computing Technologies and Machine Learning (FICTML-17)* organized by Dept. of Computer Science and Applications, MDU, Rohtak
 139. Preeti Gulia, Palak (Sept 16-17,2017),“**Hybrid Cryptography for Prevention of Cloud Based Digital Threats**”,*International Conference on Role of Digitalization In Sustainable Development: A Global Perspective*organized by Dept. of Education, MDU, Rohtak

140. Palak, Preeti Gulia, Deepti (March 28, 2017), “**Digital Divide and Its Influence on Digital India**”,*National Conference on Digital India: Prospects and Challenges* organized by IMSAR, MDU, Rohtak
141. **IoT: Effective Communication Models and its Technologies** in National Conference on “*Emerging Trends in Cloud Computing and Big Data Analytics (ETCCBDA-17)*” organized by Department of Computer Science & Applications, M. D. University, Rohtak on March 06, 2017
142. Preeti Gulia, Palak(Feb 11-13, 2017),“**Soft Computing Based Optimization Techniques: An Inspiration from Nature**”,*National Conference on statistics and Optimization Techniques (NSCOT- 2017)* organized by Department of Statistics, MDU, Rohtak.
143. Preeti Gulia, Palak(Nov. 10-11, 2016), “**Digital Divide: A Challenge to E-Governance in India**” in *ICSSR sponsored National Seminar on “Citizen-Centric Governance and Administration: Issues and Challenges”* organized by Department of Public Administrative, M. D. University, Rohtak on November 10-11, 2016
144. Hemlata, Preeti Gulia(02 –05 Dec., 2015), “**DCI3 model for Privacy Preserving in Big Data**”, *CSI-2015,50th Golden Jubilee Annual Convention on Digital Life* organized by BVICAM, New Delhi.
145. Preeti Gulia, S. Patel, A. Dev(March, 2015), “**Comparative analysis of object oriented programming and aspect oriented programming approach**”, *2nd International Conference on Computing for Sustainable Global Development*, pp.-1836-1842, March 2015, ISBN: 9789380544151 organised by BVICAM, New Delhi .
146. Preeti Gulia, Seema Sharma(Feb 28, 2015), “**E-Tourism – A useful part of ICT**”,*National Conference on Emerging Computing Technologies and ICT for Development (NCECT & ICTD-2015)* organized by Dept. Of Computer Science & Applications, M. D. University, Rohtak.
147. Hemlata, Preeti Gulia, Subita Kumari(Feb 28, 2015), “**Big Data Mining and Analysis tools**”,*National Conference on Emerging Computing Technologies and ICT for Development (NCECT & ICTD-2015)* organized by Dept. Of Computer Science & Applications, M. D. University, Rohtak.
148. Hemlata, Preeti Gulia(Feb 28, 2015),“**Privacy Preserving Data Mining (PPDM) – An Overview**”, *National Conference on Emerging Computing Technologies and ICT for Development (NCECT & ICTD-2015)* organized by Dept. Of Computer Science & Applications, M. D. University, Rohtak.

BOOK PUBLISHED

Title: Computer Applications to Business
(*Course Book of Directorate of Distance Education for M.Com. Previous*)

Co-Author: Prof. Nasib Singh Gill

Publisher: M.D. University Printing Press

Year: 2015

BOOK CHAPTERS PUBLISHED IN EDITED BOOKS

Sr.No.	Title of the Chapter	Name of Edited Book and Its Category	Year	SA Score	Verified Score
1	Machine Learning Approach for Securing of IoT Environment	Lecture notes in Networks and systems. Springer. ISBN No. - 978-981-99-3315-0	July 2023	5	
2	A Deep Learning Based Framework For Analyzing Stress Factor Among Working Women	Innovation In Data Analytics. Springer Link. ISBN No. - 978-981-99-0550-8	June 2023	5	
3	Compressed Video Based Classification For Efficient Video Analysis	Video Data Analytics For Smart City Applications: Methods And Trends. Bentham Books, ISBN No. - 978-981-5123-71-5	2023	5	
4	Machine Learning Techniques for IoT Enabled Healthcare Environment	AI Enabled IoT for Smart Healthcare System. Nova Science Publishers. ISBN No. - 978-168507-977-2	August 2022	5	
5	Metaverse and its Impact on Climate Change	Studies in Big DataSeries: The Future of Metaverse in the Virtual Era and Physical World. Springer. ISBN No. - 978-3-031-29131-9	May 2023	5	
6	The Security of Smart Grid: An Overview	International Chapter Book on Multidisciplinary Subjects for Research-XI. Red'shine Publications. ISBN No. - 978-1-365-59978-1	2021	5	
7	COVID-19 Vaccination Monitoring Using IoT and Machine Learning	Lecture Notes on Data Engineering and Communications Technologies. Springer. ISBN No. - 978-981-16-6289-8	January 2022	5	

CONFERENCE/WORKSHOP/SEMINAR/WEBINAR ATTENDED:

1. Webinar on “**Blockchain Technology for New Era of Higher Education**” organized by Blockchain Study Circle, Dept. of Computer Science and Engineering, University School

- of Information and Communication Technology, Gautam Buddha University, Greater Noida held on May 14, 2020.
2. Webinar on “**COVID-19 Disruption to Infiltrate Organisations Networks- No Mercy from Cyber Hackers**” organized by Dept. of Computer Science and Engineering, University School of Information and Communication Technology, Gautam Buddha University, Greater Noida held on May 12, 2020.
 3. Online Workshop on “**Python Programming**” organized by Dept. of Computer Science and Engineering, University School of Information and Communication Technology, Gautam Buddha University, Greater Noida held on April 25, 2020.
 4. Webinar on “**Online Teaching- Learning and Online Assessment Demo**” organized by InPods Ed-Tech held on April 24, 2020.
 5. Webinar on “**Artificial Intelligence and Deep Learning**” organized by Dept. of Computer Science and Engineering, University School of Information and Communication Technology, Gautam Buddha University, Greater Noida held on April 22, 2020.
 6. International Workshop on “**Industry Academia Interaction: Bridging the Gap**” organized by Professional Consultancy Cell, M. D. University, Rohtak held on Nov. 26, 2019.
 7. Author Workshop on “**Publishing in Academic Journals: An Author Workshop**”, jointly organized by Vivekananda Library, M.D.University, Rohtak and Taylor & Francis Group held on September 16, 2019.
 8. One Day Workshop on “**Data: Sources and Analysis**”, organized by Dept. of Geography, M. D.University, Rohtak on February 01, 2019.
 9. National Conference on “**Intellectual Property Rights: Policies for Research and Innovation**” organized by Department of Zoology in collaboration with IPR Cell, M.D.University, Rohtak held on January 19, 2019.
 10. National Conference on “**Future Innovation in Computing Technologies & Machine Learning(FICTML-2017)**”, organized by Department of Computer Science & Applications, M. D. University, Rohatk held on Nov. 21, 2017.
 11. International Conference on “**Role of Digitization in Sustainable Development: A global perspective**”, M. D. University, Rohatkheld from Sept. 16 to Sept.17, 2017.
 12. National Conference on “**Digital India: Prospects and Challenges**”, organized by IMSAR, M.D.University, Rohtak held on March 28, 2017.
 13. National Conference on “**Emerging Trends in Cloud Computing and Big Data Analytics (ETCCBDA-17)**” organized by Department of Computer Science & Applications, M. D. University, Rohatk held on March 06, 2017.
 14. National Seminar on “**Recent Development in Mathematical Sciences**” organized by Department of Mathematics, M.D. University, Rohtak on March 07-08, 2017.
 15. National Conference on “**Statistics and Optimization Techniques**” organized by Department of Statistics, M. D. University, Rohtak from Feb. 11, 2017 to Feb. 13, 2017.
 16. One-Day **Author Workshop** conducted by Vivekananda Library in association with Elsevier on November 18, 2016.
 17. National Seminar on “**Citizen-Centric Governance and Administration: Issues and Challenges**”, organized by Department of Public Administrative, M. D. University, Rohtak from Nov.10 to Nov. 11, 2016.

18. National Workshop on “**E-Governance in India: Issues and Challenges**” organized by Department of Public Administrative, M. D. University, Rohtak on October 05, 2016.
19. National Workshop on “**Sample Surveys and Data Analysis(Using Software-SPSS, MINITAB and R)**” organized by Department of Statistics, M. D. University & Indian Association for Reliability and Statistics (IARS), Rohtak from June 13, 2016 to June 15, 2016.
20. Two week technical Workshop on “**Rational SEED and Rational SEED for quality**” conducted by WebTek Labs Pvt. Ltd. at Department of Computer Science & Applications, M. D. University, Rohatk from May 04 to May 15, 2015.
21. National Workshop on “**SPSS & R Software**” organized by Department of Statistics, M. D. University, Rohtak on Feb 20, 2015.
22. **AuthorWorkshop** jointly organized by Springer & M.D.University, Rohtak on Feb 25, 2015.
23. Awareness Programme cum Workshop on “**National Mission on Education through Information and Communication Technology (NMEICT)**” and organized by NIT, Kurukshetra & NITTTR Chandigarh held on September 26, 2014 supported by Ministry of HRD, Govt. of India.
24. National Workshop on “**Problem Solving using MATLAB**” organized by Department of Computer Science & Applications, M. D. University, Rohatk from March 24 to March 29, 2014.
25. National Conference on “**Advance Computing Technologies (NCACT-2013)**” organized by Department of Computer Science & Applications, M. D. University, Rohatk on March 30, 2013.

FACULTY DEVELOPMENT PROGRAMME ATTENDED:

1. Faculty Development Programme on “**Creation of E-Contents and Development of MOOCs**” organized by Faculty Development Centre, Digital Learning Centre & Centre for Internal Quality Assurance held from June 22, 2023 to June 24, 2023.
2. Faculty Development Programme on “**Curriculum and Credit Framework for Undergraduate Programmes**” organized by Faculty Development Centre, and Centre for Internal Quality Assurance held on April 08, 2023.
3. Faculty Development Programme on “**Cryptography and Network Security**” organized by Computer Science and Engineering Department held from November 14, 2022 to November 18, 2022.
4. Faculty Development Programme on “**e-Content Development and ILMS**” organized by Digital Learning Centre & Faculty Development Centre held on June 27, 2022.
5. Faculty Development Programme on “**Emerging Research Trends in Computer Science and IT**” organized by BVICAM, New Delhi held from June 08, 2020 to June 19, 2020.

6. Faculty Development Programme on “**Augmented Reality(AR)/Virtual Reality(VR)**” organized by UIET, Kurukshetra University, Kurukshetra held from May 25,2020 to May 29, 2020.
7. Faculty Development Programme on “**R Programming**” organized by BIT Mesra, Off Campus Noida in association with IIT Bombay held from May 11,2020 to May 15, 2020.
8. One Week **Faculty Development Programme** organized by Faculty Development Centre, M.D.University, Rohtak held from July 18, 2019 to July 24, 2019.

EXTENSION/EXPERT LECTURES DELIVERED:

1. Delivered lecture on “**Cyber Crime**” organized by Kanya Mahavidyalaya, Kharkhoda, Sonapat on October 14, 2019.
2. Delivered lecture on “**Cyber Security**” organized by Govt. College, Kharkhara on , November 28, 2018.
3. Delivered lecture on “**Advance Data models & Emerging trends in Database**” organized by Hindu Girls College, Sonapat on June 03, 2016.
4. Delivered lecture on “**Big Data: An Overview**” organized by Tika Ram P.G. Girls College, Sonapat on , Jan 22, 2016.
5. Delivered lecture on “**Big Data Analytics**” in five days training course on “Office Automation Tools: Computer Training on MS-Office, e-Salary & On-line Budgeting System” organized by Divisional Training Centre, HIPA, Rohtak on Dec 09, 2015.
6. Delivered lecture on “**Cloud Computing**” in five days training course on “Office Automation Tools: Computer Training on MS-Office, e-Salary & On-line Budgeting System” organized by Divisional Training Centre, HIPA, Rohtak on Dec 09, 2015.

SESSIONS CHAIRED:

1. Co-Chair in session in 4th International Conference on Information Management & Machine Intelligence (ICIMMI - 2022) held form December 23, 2024 to December 24, 2024 at Poornima Institute of Engineering & Technology
2. Chaired a session in TS 24: Robotics, Internet of Things (IoT) and Control System in IEEE World Conference on Applied Intelligence and Computing (AIC- 2022) held from June 17, 2022 to June 19, 2022.
3. Chaired a session in International Conference on Innovative Trends in Computing Technology & Mathematica (ITCTM-2015) held on March 14, 2015 at Delhi Institute of Technology & Management, Sonapat, Haryana.

PAPERS REVIEWED:

1. **“An Exploratory study of cognitive base Complexity measures of Online algorithms”**, *Journal of Scientific Research and Reports (Science Domain International,UK)*, December, 2016
2. **“Test case Prioritization using Metaheuristic Search Techniques”**, *Arab Gulf Journal of Scientific Research(Saudi Arabia)*,December,2016
3. **“Test case Prioritization based on Dissimilarity clustering using Historical data analysis”** paper reviewed for International Conference on Information, Communication and Computing Technology (ICICCT-2017) in collaboration with Springer and CSI, May,2017, New Delhi, India.
4. **“Analysis and Design of Secure System using AO approach”** paper reviewed for International Conference on Information, Communication and Computing Technology (ICICCT-2017) in collaboration with Springer and CSI, May,2017, New Delhi, India.
5. **“New Paradigm for Software Design: ADML”** paper reviewed for International Conference on Information, Communication and Computing Technology (ICICCT-2017) in collaboration with Springer and CSI, May,2017, New Delhi, India.
6. **“Analysis of errors in Safety Critical Embedded system software in Aerial vehicle”** paper reviewed for International Conference on Information, Communication and Computing Technology (ICICCT-2017) in collaboration with Springer and CSI, May,2017, New Delhi, India.

Sd/-

(Dr. Preeti Gulia)