

## Bio-Data (Dr. Preeti Gulia)

### Dr. Preeti Gulia

*Associate Professor,*

**Department of Computer Science & Applications,**

**MAHARSHI DAYANAND UNIVERSITY**

**ROHTAK-124001 (HARYANA), INDIA**



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. <b>Mobile:</b> 9467485548
4. Academic Qualifications	:	<ul style="list-style-type: none"> <li>• <b>Ph.D.(Computer Sc.)</b></li> <li>• <b>NET</b></li> <li>• <b>MCA</b></li> <li>• <b>M.Sc.(Computer Science)</b></li> </ul>
5. Teaching Experience	:	15+ years
6. Research Experience	:	10+ years
7. Research Interests	:	Data Mining, Big Data, Machine Learning, Deep Learning, IoT, Blockchain, Software Engineering
8. Research Papers, Books & Chapters	:	<b>Papers: 84</b> <b>1. Published in Intl/Ntnl Journals: 57</b> <b>2. Published in Intl. Conf. Proc.: 10</b> <b>3. Published in National Conf. Proceedings: 17</b> <b>Books – 1 (Joint)</b> <b>Book Chapters: 12</b>
9. Ph.D. Thesis Guided /Guiding	:	Awarded: 02, Guiding – 06
10. MCA/M.Sc. Projects & M.Tech. Thesis guided	:	MCA/M.Sc. Projects: about 95; M.Tech Thesis: 12

### International/ National Journals:

1. 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 (IJECS)*, Vol. 22, No. 3. **SCOPUS Indexed, UGC CARE Listed.**
2. 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**)
  3. 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*
  4. 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*
  5. 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*
  6. 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*
  7. 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*
  8. 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*
  9. 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*
  10. 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*
  11. 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*

12. 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**)
13. 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**)
14. 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**)
15. 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**)
16. Hemlata and Preeti Gulia (2018) “**DCI<sup>3</sup> Model for Privacy Preserving in Big Data**” DOI: [https://doi.org/10.1007/978-981-10-6620-7\\_34](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**)
17. 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**)
18. 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**)
19. 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**)
20. 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**
21. 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**)

22. 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**)
23. 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**)
24. Dimple, Preeti Gulia (2017), “**Critical Review of Security Attacks in Wireless PAN**”, *International Journal of Computer Applications*, ISSN: 0975 – 8887
25. 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**)
26. 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**)
27. 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**)
28. 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.
29. 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
30. 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**)
31. Preeti Gulia, Jyoti Chugh(2015), “**Comparative Analysis of Traditional and Object-Oriented Software Testing**”, *ACM SIGSOFT Software Engineering Notes*, 40(2),1-4
32. 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**)
33. 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
34. 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**)
35. 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.

36. Anshul Sharma, Preeti Gulia (2014), “**Analysis Of Big Data**”, *International Journal of Computer Science and Mobile Computing*, 3(9),56 – 68, ISSN: 2320-088X.
37. Anshul Sharma, Preeti Gulia (2014), “**Optimizing BIG Data**”, *International Journal of Computer Science and Mobile Computing*, 3(9),69-81, ISSN: 2320-088X.
38. 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.
39. 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.
40. 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.
41. 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)
42. 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)
43. Preeti Gulia and Sumedha Sood (2013), “**Towards Automatic Selection of cloud providers**”, *International Journal of Computer Science Issues(IJCSI)*.
44. 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)
45. 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)
46. 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)
47. 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
48. 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.
49. 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

50. 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.
51. 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.
52. 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.
53. 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.
54. 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.
55. Preeti Gulia (2012), “**Priority based Resource allocation in Cellular Network**”, *International Journal of Computer Application*, Vol. 4(2), pp: 65-68, ISSN: 2250-1797.
56. 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.
57. 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 Conferences/ Seminar:**

58. 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’)
59. 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)
60. Preeti Gulia, Sangeeta (May 02-03, 2020), “**Deep Learning based Video Compression: A Futuristic Approach**”, *1<sup>st</sup> 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.

61. Preeti Gulia, Ayushi Chahal (May 02-03, 2020), “**Blockchain and its role in Education**”, *1<sup>st</sup> 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.
62. Preeti Gulia, Ritu Ratra (May 02-03, 2020), “**Performance Analysis of ANN on different datasets**”, *1<sup>st</sup> 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.
63. Preeti Gulia (May 02-03, 2020), “**Comparative Study of Prediction-based models in Big Data Analytics**”, *1<sup>st</sup> 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.
64. 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.
65. 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.
66. 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.
67. 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.
68. 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.
69. 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.
70. 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

71. 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
72. 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 (ICCCS 2018) organized by DCE, Gurgaon (Taylor and Francis CRC press)
73. 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
74. 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
75. 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
76. 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
77. **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
78. 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.
79. 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
80. Hemlata, Preeti Gulia (02 –05 Dec., 2015), “**DCI3 model for Privacy Preserving in Big Data**”, *CSI-2015,50<sup>th</sup> Golden Jubilee Annual Convention on Digital Life* organized by BVICAM, New Delhi.
81. Preeti Gulia, S. Patel, A. Dev (March, 2015), “**Comparative analysis of object oriented programming and aspect oriented programming approach**”, *2<sup>nd</sup> International Conference on Computing for Sustainable Global Development*, pp.-1836-1842, March 2015, ISBN: 9789380544151 organised by BVICAM, New Delhi .



82. 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.
83. 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.
84. 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.

#### **FACULTY DEVELOPMENT PROGRAMME ATTENDED:**

1. 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.
2. 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.
3. 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.
4. One Week **Faculty Development Programme** organized by Faculty Development Centre, M.D.University, Rohtak held from July 18, 2019 to July 24, 2019.

#### **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, Rohatk held 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. **Author Workshop** 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, Rohtak 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, Rohtak on March 30, 2013.

**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.

**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

**SESSIONS CHAIRED:**

1. 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)**