

## BIO-DATA

**DR. NASIB SINGH GILL**  
*Professor & Head, Department of  
 Computer Science & Applications,  
 MAHARSHI DAYANAND UNIVERSITY  
 ROHTAK-124001 (HARYANA)*



1.Name	:	Dr.Nasib Singh Gill
2.Date of birth	:	March 21, 1968
3.Designation& Post Held	:	<b>Professor &amp; Head</b> , Department of Computer Science & Applications, M.D. University, Rohtak-124001. <b>Phone:</b> 01262-393202-03, <b>Mobile:</b> 09050805136, 09355627736
4. Positions held earlier	:	<b>-Head, Department of Computer Sc. &amp; Applications</b> <b>-Director, Directorate of Distance Education</b> <b>-Director, University Computer Centre</b> <b>-Director, MDU Alumni</b> <b>-Director, Public Relations</b> <b>-University Nodal Officer, All India Survey on Higher Education (AISHE), MHRD, Govt. of India</b>
5.Home Address & Address for Correspondence	:	H.No.-1104, Sector-1, HUDA, Rohtak Ph. 01262-274416, 9050805136, 9355627736 E-mail: <a href="mailto:nasibsgill@gmail.com">nasibsgill@gmail.com</a> , <a href="mailto:nasib.gill@mdurohtak.ac.in">nasib.gill@mdurohtak.ac.in</a>
6.Academic Qualifications	:	<ul style="list-style-type: none"> <li>• <b>Post Doctoral Research (Computer Sc.) from Brunel University, United Kingdom</b></li> <li>• <b>Ph.D.(Computer Sc.)</b></li> <li>• <b>MBA</b></li> </ul>
7.Teaching Experience	:	27+years
8.Research Experience	:	24years
9. Research Interests	:	Software Metrics, Component-based Metrics, Testing, Reusability, Data Mining and Data Warehousing, NLP, Network Security, Information Security
10. Books & Research Papers	:	<b>Books – 4 (Independent), 1 (Joint)</b> <b>Courseware: 6 Courses</b> <b>Papers: 237</b> <ol style="list-style-type: none"> <li>1. <b>Published in Intl/Ntnl Journals &amp; Books: 149</b></li> <li>2. <b>Published in Intl. Conf. Proc., Mag., etc:28</b></li> <li>3. <b>Published in National Conf. Proceedings:60</b></li> <li>4. <b>Papers Reviewed: 12</b></li> </ol>
11.Ph.D.Thesis Guided /Guiding	:	Awarded: 08, Guiding – 04
12.MCA Projects & M.Tech. Thesis guided	:	MCA Projects: about 300; M.Tech Thesis: 15

### **13. Administrative Experience**

- 1) *Worked as Head, Department of Computer Science & Applications, M.D. University, Rohtak from March 15, 2006 to March 15, 2012*
- 2) *Worked as Director, Directorate of Distance Education, M.D. University, Rohtak from Nov. 7, 2005 to May 21, 2007, and 2013 to Oct. 2015.*
- 3) *Worked as Director, Public Relations, M.D. University, Rohtak from May 21, 2007 to 2008.*
- 4) *Worked as Director, University Computer Centre, M.D. University, Rohtak from 2008 to 2012.*
- 5) *Worked as Director, MDU Alumni, M.D. University, Rohtak from March 2011 to March 2016.*
- 6) *Worked as Director, Directorate of Distance Education, M.D. University, Rohtak since July 2013.*
- 7) *Worked as University Nodal Officer, All India Survey on Higher Education, MHRD, Govt. of India during 2011 to 2014.*
- 8) *Worked as Convener, Control Room and Convener, IT Support, 21<sup>st</sup> National Youth Festival-2017 organised at M.D. University, Rohtak during January 12-16, 2017*

### **14. Academic Experience**

- 1) Acted as Subject Expert in several Selection Committees for the selection of faculty in Universities, Colleges and Institutions in State of Haryana and outside.
- 2) Acted as Chief Secrecy Officer/Secrecy Officer in various Entrance Examinations of M. D. University, Rohtak since 1996.
- 3) Empanelled as Resource Person/Expert for subject of Computer Science for EDUSAT programme for state of Haryana.
- 4) Played a pivotal role in Common Syllabi Framing Committee for various UG and PG Programmes of Computer Science in the State of Haryana.
- 5) Chairman & Member of U.G. and P.G. Boards of Studies in Computer Science & Applications, M. D. University, Rohtak.

### **15. Honors & Awards**

- ***Recipient of Commonwealth Fellowship Award***
  - Commonwealth Fellow for the year 2001-2002 (01.10.2001-30.09.2002) and availed Commonwealth Fellowship Award by ACU, London at Brunel University, United Kingdom (U.K.)
- ***Best Paper/Article Award by Computer Society of India***
  - In 1994, CSI awarded for contributing best paper titled “*A New Program Complexity Measure*” published in November 1994 issue of ‘CSI Communications’.

### **16. Published Work (Please see ANNEXURE-I for details)**

(Dr. Nasib Singh Gill)

**Published Work****I) Books Published**

<b>Title of the book</b>	<b>Publisher</b>	<b>Year of Publication</b>
<b>1. Handbook of Computer Fundamentals (ISBN : 978-93-82609674)</b>	<b>Khanna Book Publishing Co.(P) Ltd, New Delhi.</b>	<b>2016</b>
<b>2. Computing Fundamentals and Programming in C (ISBN : 978-93-81068-50-2, Pages:832)</b>	<b>Khanna Book Publishing Co.(P) Ltd, New Delhi.</b>	<b>2012</b>
<b>3. Digital Design and Computer Organisation [Jointly with co-author] (ISBN: 978-81-318-0345-5, Pages: 396)</b>	<b>University Science Press (An Imprint of Laxmi Publications Pvt. Ltd.)</b>	<b>2008</b>
<b>4. Software Engineering (ISBN : 818732517-8, Pages : 622)</b>	<b>Khanna Book Publishing Co.(P) Ltd, New Delhi.</b>	<b>2002</b>
<b>5. Essentials of Computer And Network Technology (ISBN: 81-87522-71-2, Pages: 340)</b>	<b>Khanna Book Publishing Co.(P) Ltd, New Delhi.</b>	<b>2000</b>
<b>6. Computer Application to Business (Course book for M.Com. of Directorate of Distance Education)</b>	<b>M.D.University Printing Press</b>	<b>2015</b>
<b>7. Basics of Computer (Course book for B.Com. of Directorate of Distance Education)</b>	<b>M.D.University Printing Press</b>	<b>2015</b>

**II. Ph.D. Thesis Guided – Eight (08)**

<b>S.No.</b>	<b>Name of Scholar</b>	<b>Month &amp; Year</b>	<b>Title of Thesis</b>
8.	Dr. Navneet (now Programmer, Krishi Gyan Kender, Rohtak)	March 2017	Analysis, Design and Optimization of Classification Techniques for Performance Improvement in Data Mining
7.	Dr. Pooja Mittal (now Asstt. Professor, Dept. of Comp. Sc. & Appls., M.D. University, Rohtak)	December 2016	Comparative Analysis and Design of Data Mining Techniques
6.	Dr. Narender Singh (now Asstt. Professor, Dept. of Comp. Sc., C.R. Memorial Jat College, Hisar)	January 2013	Study and Analysis of aspect-Oriented Requirements Engineering Approaches for Development of Software Systems
5.	Dr. Rajan Gupta (now Associate Professor, School of Information Technology, Vivekanand Institute of Professional Studies, Pitampura, Delhi)	January 2013	Analysis and Design of Data Mining Techniques for Prevention and Detection of Financial Frauds
4.	Dr. Sunil Sikka (now Associate	September	Study and Design of Complexity, Fault-Proneness

	Professor, Dept. of Computer Sc. & Engg., Amity University, Gurgaon)	2011	and Reusability Metrics for Object-Oriented Software Systems
3.	Dr. Reena Hooda (now Asstt. Professor, Dept. of Comp. Sc. & Appls., I.G. University, Meerpur, Rewari)	December 2010	Analysis & Development of Data Warehouse and Data Mining Techniques
2.	Dr. Pardeep Tomar (now Asstt. Professor, Dept. of Comp. Sc. & Engg., School of ICT, G.B. University, Greater Noida, U.P.)	March 2010	Analysis, Design and Development of Component-Based Reusable Models and Testing Processes
1.	Dr. Balkishan (now Asstt. Professor, Dept. of Comp. Sc. & Appls., M.D. University, Rohtak)	March 2010	Study and Design of Component-Based Measures

### **III) RESEARCH PAPERS/ARTICLES PUBLISHED**

#### **A) International/National Journals & Books**

1. Vikas Raman and Nasib Singh Gill (2017). A Swarmed GA Algorithm for Solving Travelling Salesman Problem. *Journal of Theoretical and Applied Information Technology*. Vol. 95, No. 16, August 31, 2017. ISSN: 1992-8645. **Thomson Reuters listed, SCOPUS indexed.** <http://www.jatit.org/volumes/Vol95No16/23Vol95No16.pdf>
2. Navneet and Nasib Singh Gill (2017).“*An efficient technique for Big Data Classification using neural network*”, *A Science & Technology Journal (Ciência e Técnica Vitivinícola Journal)*. Vol. 32 Issue 1, 2017.ISSN: 0254-0223.**Thomson Reuters listed, Science Citation Index Expanded (SCI indexed).**
3. Navneet and Nasib Singh Gill (2017).“*A Novel Algorithm for Big Data Classification Based on Lion Optimization*”, *Journal of Theoretical and Applied Information Technology*, Vol. 95, No. 7, April 2017. ISSN: 1992-8645. (Impact Factor 0.33) **Thomson Reuters listed, SCOPUS indexed, SciVerse, Hub, J-Gate, and included in the list of journal recommended by UGC.**<http://www.jatit.org/volumes/Vol95No7/3Vol95No7.pdf>
4. Shilpi Garg and Nasib Singh Gill (2017). “*Mobile Sink Based Energy Efficient Adaptive Clustering Hierarchy Protocol For WSN*”, *Indian Journal of Advanced Research in Computer Science*, Vol. 8, No. 3 (2017): March-April 2017, **ISSN 0976-5697. Included in the list of journal recommended by UGC.**<http://ijarcs.in/index.php/Ijarcs/article/view/3105>
5. Geeta Rani and Nasib Singh Gill (2017). Impact of Boundary Effect on Coverage Fraction in Wireless Sensor. *Indian Journal of Advanced Research in Computer Science*, Vol. 8, No. 7 (2017): July-August 2017, **ISSN 0976-5697. Included in the list of journal recommended by UGC.**<http://ijarcs.in/index.php/Ijarcs/article/view/3105>
6. Sumit Nager and Nasib Singh Gill (2017).“*Comparative Study of RM and EDF Scheduling Algorithm in Real Time Multiprocessing Environment*”,*International Journal of Computer Science and Mobile Computing (IJCSMC)*, Volume 6, Issue 3, March 2017. pp. 67-71. (NISCAIR Certified Journal). ISSN(Online):2320-088X, Impact Factor 5.258. <http://www.ijesmc.com/docs/papers/March2017/V6I3201729.pdf>

7. Vikas Raman and Nasib Singh Gill (2017).“*Review of different heuristic algorithms for solving Travelling Salesman Problem*”, *Indian Journal of Advanced Research in Computer Science*, Vol. 8, No. 5 (2017): May-June 2017, ISSN 0976-5697. **Included in the list of journal recommended by UGC.**<http://ijarcs.in/index.php/Ijarcs/article/view/3105>
8. Sumit Nager and Nasib Singh Gill (2017).“*Comparative Study of Various CPU Scheduling Algorithm*”,*International Journal of Emerging Trends & Technology in Computer Science (IJETTCS)*, Volume 6, Issue 2, March-April 2017, pg.040-45. ISSN(Online):2278-6856, Impact Factor 7.143.[http://ijettcs.org/pabstract\\_Share.php?pid=IJETTCS-2017-03-16-12](http://ijettcs.org/pabstract_Share.php?pid=IJETTCS-2017-03-16-12)
9. Sangeeta and Nasib Singh Gill (2017).“*Framework for Tweet Sentiment Classification Using Boostingbased Ensemble Approach*”, *A Science & Technology Journal (Ciência e Técnica Vitivinícola Journal)*. Vol. 32 Issue 1, January 2017.ISSN: 0254-0223.**Thomson Reuters listed, Science Citation Index Expanded (SCI indexed).**
10. Shikha Chahal and Nasib Singh Gill (2016).“*Comparative Study of various WSN Routing Protocols*”,*Indian Journal of Science and Technology*, Vol. 9, Issue 48, DOI: [10.17485/ijst/2016/v9i48/95285](https://doi.org/10.17485/ijst/2016/v9i48/95285).December 2016. **Thomson Reuters listed, SCOPUS indexed, Web of Science indexed and included in the list of journal recommended by UGC.**<http://www.indjst.org/index.php/indjst/article/view/95285>
11. Sumit Nager and Nasib Singh Gill (2016).“*An Improved Shortest Job First Scheduling Algorithm to Decrease Starvation in Cloud Computing*”,*International Journal of Computer Science and Mobile Computing (IJCSMC)*, Volume 5, Issue 8, August 2016. pg.155-161. (NISCAIR Certified Journal). ISSN(Online):2320-088X, Impact Factor 5.258.<http://ijcsmc.com/docs/papers/August2016/V5I8201635.pdf>
12. Shikha Chahal and Nasib Singh Gill (2016).“*Preventing Clustering Methodology for Improving Network Energy Using LEACH Protocol in WSN*”,*IJCSMC International Journals of Computer Science and Mobile Computing*, Volume 5, Issue 8, August 2016. pg.162-172. (NISCAIR Certified Journal). ISSN(Online):2320-088X, Impact Factor 5.258.<http://ijcsmc.com/docs/papers/August2016/V5I8201635.pdf>
13. Navneet and Nasib Singh Gill (2016).“*An Optimized Algorithm for Big Data Classification using Neuro Fuzzy Approach*”,*Indian Journal of Science and Technology*, Vol. 9, Issue 28, DOI: [10.17485/ijst/2016/v9i28/87995](https://doi.org/10.17485/ijst/2016/v9i28/87995), July 2016. **Thomson Reuters listed, SCOPUS indexed, Web of Science indexed and included in the list of journal recommended by UGC.**<http://indjst.org/index.php/indjst/article/view/87995/0>
14. Nasib Singh Gill and Pooja Mittal (2016).“*A Comparative Study of Hybrid Prediction Model when implemented on Heterogeneous data sets using Statistical Performance Evaluators*”, *A Science & Technology Journal (Ciência e Técnica Vitivinícola Journal)*. Vol. 31 Issue 9, September 2016.ISSN: 0254-0223.**Thomson Reuters listed, Science Citation Index Expanded (SCI indexed).**
15. Nasib Singh Gill and Pooja Mittal (2016).“*A Computational Hybrid Model with two level Classification using SVM and Neural Network for predicting the diabetes disease*”, *Journal of Theoretical and Applied Information Technology*,Vol. 87, No. 1,

May 2016. ISSN: 1992-8645. *Thomson Reuters listed, SCOPUS indexed.*<http://www.jatit.org/volumes/Vol87No1/1/Vol87No1.pdf>

16. Nasib Singh Gill and Pooja Mittal (2016).“*A Novel Hybrid Model for Diabetic Prediction Using Hidden Markov Model, Fuzzy Based Rule Approach & Neural Network*”,*Indian Journal of Science and Technology*, Vol 9(35), DOI: 10.17485/ijst/2016/v9i35/99146, September 2016. *Thomson Reuters listed, SCOPUS indexed.*<http://www.indjst.org/index.php/indjst/article/view/99146>
17. Meenakshi and Nasib Singh Gill (2015). “*Imperfection of Domain Knowledge and Its Formalization in Context of Design of Robust Software Systems*”, *Journal of Software Engineering and Applications*, September 2015, Vol 8, No. 9, pp. 489-498. pp. 238-240. ISSN: 1945-3124. <http://www.scirp.org/journal/jsea>,<http://dx.doi.org/10.4236/jsea.2015.89047>
18. Meenakshi Sridhar and Nasib Singh Gill (2015). “*Formal Conceptual Framework for Structure of Context of Component-based System for Designing Robust Software Systems and Metrics*”. *International Journal of Software Engineering and Applications (IJSEA)* Vol 6, No. 6 :30-37, November 2015.
19. Meenakshi Sridhar and Nasib Singh Gill (2015). “*A Formal Conceptual Framework for Dynamics Within Context of Component-Based System for Designing Robust Software Systems & Metrics*”. *International Journal of Computer Applications* 112(7):30-37, February 2015. ISSN: 0975-9018. <http://www.ijcaonline.org/archives/volume112/number7/19681-1412>
20. Priyanka and Nasib Singh Gill (2015). “*A Study on Detection of DDOS Attack in MANET*”,*International Journal of Recent Research Aspects (IJRRA)*. Vol. 2, Issue 2, June 2015, pp. 238-240. ISSN: 2349-7688. <http://ijrra.com/Vol2issue2/IJRR-02-02-47.pdf>
21. Priyanka and Nasib Singh Gill (2015). “*Review of Detection, Elimination and Simulation Analysis of Black Hole on Ad-hoc Network Using Advance AODV Technique*”,*International Journal For Technological Research In Engineering (IJFTRE)*. Volume 2, Issue 7, March-2015, pp. 1347-1352. ISSN (Online): 2347 – 4718. <http://ijtre.com/manuscript/20150207131.pdf>
22. Renu Yadav and Nasib Singh Gill (2015). “*An Information Security Technique Using AES-RSA Hybrid and SLSB: Review*”, *International Journal of Advanced Research in Computer Science and Software Engineering (IJARCSSE)*. Volume 5, Issue 5, May 2015, pp.1119-1122. ISSN: 2277 128X. [http://www.ijarcsse.com/docs/papers/Volume\\_5/5\\_May2015/V5I5-0292.pdf](http://www.ijarcsse.com/docs/papers/Volume_5/5_May2015/V5I5-0292.pdf)
23. Priyanka and Nasib Singh Gill (2015). “*A Review of DDOS Attack and Their Countermeasure in TCP Based Network*”,*International Journal of Recent Research Aspects (IJRRA)*. Vol. 2, Issue 2, June 2015, pp. 233-237. ISSN: 2349-7688. <http://ijrra.com/Vol2issue2/IJRR-02-02-46.pdf>
24. Priyanka and Nasib Singh Gill (2015). “*Detection and Removal of Black Hole Using Advance AODV TECHNIQUE*”, *International Journal For Technological Research In Engineering (IJFTRE)*. Volume 2, Issue 11, July-2015, pp. 2624-2627. ISSN (Online): 2347 – 4718. <http://www.ijtre.com/manuscript/2015021132.pdf>
25. Renu Yadav and Nasib Singh Gill (2015). “*Improvement in Performance of RSA Algorithm Using SLSB*”, *International Journal of Computer Science and Mobile*

- Computing (IJCSMC). Vol.4 Issue.7, July- 2015, pg. 279-285. ISSN: 2320-088X.  
<http://ijcsmc.com/docs/papers/July2015/V4I7201574.pdf>
26. Renu Yadav and Nasib Singh Gill (2015). "**Improvement in Performance of Advance Encryption Standard Using SLSB**", International Journal of Emerging Technology and Advanced Engineering (IJETAEE). Vol. 5, Issue.6, June 2015, pp. 487-493. ISSN: 2320-088X. (NISCAIR Certified Journal) Impact Factor: 5.258.  
<http://ijcsmc.com/docs/papers/July2015/V4I7201574.pdf>
  27. Renu Yadav and Nasib Singh Gill (2015). "**An Information Security Technique Using AES-RSA Hybrid and SLSB: Research**", International Journal of Advanced Research in Computer Science and Software Engineering (IJARCSSE). Volume 5, Issue 7, May 2015, pp. 805-809. ISSN: 2277 128X.  
[http://www.ijarcsse.com/docs/papers/Volume\\_5/7\\_July2015/V5I7-0425.pdf](http://www.ijarcsse.com/docs/papers/Volume_5/7_July2015/V5I7-0425.pdf)
  28. Navneet and Nasib Singh Gill (2015). "**Classification Using the Compact Rule Generation**", Oriental Journal of Computer Science & Technology, Vol. 8 No. 1: 49-58, April 2015. ISSN (Online): 0974-6471.(Impact Factor: 0.1890).Published by Techno Research Publishers, India. <http://www.computerscijournal.org/vol8no1/classification-using-the-compact-rule-generation/>.(NASS Rating: 4.79 and IC value 85.22).ICI indexed and included in the list of journal recommended by UGC.
  29. Vijay Bharti and Nasib Singh Gill (2015). **Survey of Challenges in Distributed Denial of Service Attacks and IP Traceback Countermeasures**, IJCST International Journal of Computer Science and Technology, Volume 6, Issue 2, April-June 2015. ISSN(Online):0976-8491.ISSN(Print):2229-4333.[www.ijcst.com](http://www.ijcst.com)
  30. Vijay Bharti and Nasib Singh Gill (2015). **A Survey of DDOS Attacks with NS, NAM and OTCL Scripting**, ACE Journals, Volume 3, Issue 1, April 2015, Certificate No-C000191. [www.acejournals.com](http://www.acejournals.com)
  31. Vijay Bharti and Nasib Singh Gill (2015). **Preventing Distributed Denial of service Attacks Via MAC Cloning**, IJCSMC International Journals of Computer Science and Mobile Computing, Volume 4, Issue 6, June 2015, ISSN(Online) : 2320-088X.[www.ijcsmc.com](http://www.ijcsmc.com)
  32. Vijay Bharti and Nasib Singh Gill (2015). **Deterministic Packet Marking for Detecting Distributed Denial of Service Attacks in MANETS**, IJARCSSE International journals of Advanced Research in Computer Science and Software Engineering, Volume 5, Issue 6, June 2015, ISSN(Online) : 2277-128X. [www.ijarcsse.com](http://www.ijarcsse.com).
  33. Navneet and Nasib Singh Gill (2014). "**Algorithm for Producing Compact Decision Trees for Enhancing Classification Accuracy in Fertilizer Recommendation of Soil**", International Journal of Computer Applications, 98(02):35-39, July 2014. ISSN (Online): 0975-8887.(Impact Factor: 0.814).Published by Foundation of Computer Science, NewYork, USA. <http://www.ijcaonline.org/archives/volume98/number2/17153-7204>
  34. Ekta and Nasib Singh Gill (2014). "**MANETs Routing: Simulation and Network Analysis For AODV and DSR**", International Journal of Advance Research in Computer and Communication Engineering (IJARCCCE), Volume 03, Issue 06, June 2014. ISSN (online): 2278-1021. [www.ijarccce.com](http://www.ijarccce.com)
  35. Ekta and Nasib Singh Gill (2014). "**Intrusion Secure Algorithm for AODV**", International Journal of Science and Research (IJSR), Volume 03, Issue 07, July 2014. ISSN (online): 2319-7064. (Impact Factor: 3.358).[www.ijsr.net](http://www.ijsr.net)

36. Nasib Singh Gill and Ekta (2014). “**Detection and Isolation of Malicious and Hostile Nodes in MANETs**”, International Journal of Advanced Research in Computer Science and Software Engineering (IJARCSSE), Volume 04, Issue 04, April 2014. ISSN (online): 2277-128X. (Impact Factor: 3.358). pp. 853-856. [www.ijsr.net](http://www.ijsr.net)
37. Palak and Nasib Singh Gill (2014). “**Study of Energy consumption in DSR Using NS2**”, International Journal of Computer Science and Mobile Computing (IJCSMC), Volume 03, Issue 07, July 2014. pp. 531-535. ISSN (online): 2320-088X. [www.ijcsmc.com](http://www.ijcsmc.com)
38. Palak and Nasib Singh Gill (2014). “**A Power Saving Intelligent Dynamic Source Routing (IDSR) in MANET**”, International Journal of Advance Research in Computer and Communication Engineering (IJARCCE), Volume 03, Issue 07, June 2014. ISSN (online): 2278-1021. pp.7556-7558 [www.ijarcce.com](http://www.ijarcce.com)
39. Palak Gupta and Nasib Singh Gill (2014). “**Simulation and Analysis of Routing Protocols in MANETs for Different Network Sizes**”, International Journal of Advanced Research in Computer Science (IJARCS), Vol. 5, No 5 (2014): May-June 2014. ISSN (online): 0976-5697. **Included in the list of journal recommended by UGC.** <http://www.ijarcs.info>
40. Rajan Gupta and Nasib Singh Gill (2012). “**Financial Statement Fraud Detection Using Text Mining**”, International Journal of Advanced Computer Science and Applications (IJACSA), Vol. 3 No. 12, pp.189-191. 2012. [www.ijacsa.thesai.org](http://www.ijacsa.thesai.org). <http://dx.doi.org/10.14569/IJACSA.2012.031230>
41. Swati Atri, Nasib Singh Gill and Jaideep Atri (2014). “**Comparison of Cluster Formation Algorithms Based on Fuzzy Logic Rules**”, International Journal of Science and Research (IJSR), Volume 03, Issue 06, June 2014. ISSN (online): 1831-1834. (Impact Factor: 3.358). [www.ijsr.net](http://www.ijsr.net)
42. Swati Atri, Nasib Singh Gill and Jaideep Atri (2014). “**Clustering Approach Based on Ant Colony Optimization**”, International Journal of Advanced Research in Computer Science and Software Engineering (IJARCSSE), Volume 04, Issue 02, February 2014. ISSN (online): 2277-128X. (Impact Factor: 3.358). pp. 179-181. [www.ijsr.net](http://www.ijsr.net)
43. Pooja Mittal and Nasib Singh Gill (2013). “**A Comparative Analysis of Classification Techniques on Medical Data Sets**”, International Journal of Research in Engineering and Technology, 03(06):454-460, June 2014. ISSN (Online): 2319-1163. [www.ijret.org](http://www.ijret.org)
44. Pooja Mittal and Nasib Singh Gill (2013). “**Three Dimensional Model for Diagnostic Prediction: A Data Mining Approach**”, International Journal of Emerging Trends & Technology in Computer Science (IJETTCS), Vol 2, Issue 4, July-Aug 2013: 379-383, June 2014. ISSN (Online): 2278-6856. [www.ijettcs.org](http://www.ijettcs.org)
45. Swati Atri, Nasib Singh Gill and Jaideep Atri (2014). “**Fuzzy Logic Implementation Based on Antcolony Based Clusterhead Selection Algorithm**”, International Journal of Advance Research in Computer and Communication Engineering (IJARCCE), Volume 03, Issue 04, April 2014. ISSN (online): 6256-6259. [www.ijarcce.com](http://www.ijarcce.com)
46. Shelja Malhotra and Nasib Singh Gill (2014). “**Analysing of Geographic Based Routing Protocols in MANETs**”, International Journal of Computer Science and Mobile Computing (IJCSMC), Volume 03, Issue 05, May 2014. pp. 1068-1073. ISSN (online): 2320-088X. [www.ijcsmc.com](http://www.ijcsmc.com)
47. Manisha and Nasib Singh Gill (2013). “**Contrast Enhancement by Using Region Growing**”, International Journal of Engineering Sciences Paradigms and Researches, Volume 08, Issue 01, October 2013. ISSN (online): 2319-6564. [www.ijesonline.com](http://www.ijesonline.com)
48. Sudhirand Nasib Singh Gill (2013). “**Comparative Study of Different Data Mining Techniques: A Review**”, International Journal of Latest Technology in Engineering,



- Management & Applied Sciences, Volume II, Issue IV, April 2013. ISSN (online): 2278-2540. <http://www.ijltemas.in/digital-library/volume-ii-issue-iv>
49. Navneet and Nasib Singh Gill (2013). “**Behavior of Classification & Clustering Algorithms on Diverse Data**”, International Journal of Engineering Sciences Paradigms and Researches, Volume 08, Issue 01, October 2013. ISSN (online): 2319-6564.(Impact factor 2.80). [www.ijesonline.com](http://www.ijesonline.com)
  50. Nitika and Nasib Singh Gill (2013). “**Fingerprints Recognition Techniques: A Critical Review**”, IJMRS’s International Journals of Multidisciplinary Research Studies, Volume 02, Issue 02, June 2013. ISSN (online): 2277-9698. <http://ijmrs.com/Papers.aspx?volumeID=V833656723>
  51. Sudhir and Nasib Singh Gill (2013). “**Analysis and Study of K-Means Clustering Algorithm**”, International Journal of Engineering Research & Technology (IJERT), Volume 2, Issue 7, July 2013. ISSN (online): 2278-0181. <http://www.ijert.org/view.php?id=4586&title=analysis-and-study-of-k-means-clustering-algorithm>
  52. Nitika Saroha and Nasib Singh Gill (2013). “**Hough Transform Based Fingerprint Matching Using Minutiae Extraction**”, International Journal of Advanced Research in Computer Science (IJARCS), Vol. 4, No 10 (2013): September-October 2013. ISSN (online): 0976-5697. *Included in the list of journal recommended by UGC.* <http://www.ijares.info>
  53. Manisha and Nasib Singh Gill (2013). “**Image Enhancement Using SIFT and Region Growing**”, International Journal of Computer Science & Management Studies (IJCSMS), Volume 13, Issue 05, July 2013. ISSN (online): 2231-5268. [www.ijcsms.com](http://www.ijcsms.com)
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162. **Nasib Singh Gill, Kapil Juneja, Anita Singhroha and Anuradha (2011). “A Statistical Approach to Perform Intrusion Detection in Wireless Network**”,Proc. of the International Conference on Science and Engineering (ICSE 2011), pp. 240-244. RG Education Society, ISBN: 978-981-08-7931-0

163. Sumit Kumar Singh, Pradeep Tomar and **Nasib Singh Gill (2012)**. “***New Hybrid Scheduling Algorithm Based on Priority and Shortest Job First Scheduling***”, *Proceedings of International Conference on Innovations and Advancements in Information and communication Technology (ICIAICT-2012)*, G.B.University, Greater Noida, March 30-31, 2012, pp. 174-180.
164. Hema Kashyap, Pradeep Tomar and **Nasib Singh Gill (2012)**. “***A Comparative Analysis of Aspect Mining Approaches***”,*Proceedings of International Conference on Innovations and Advancements in Information and communication Technology (ICIAICT-2012)*, G.B.University, Greater Noida, March 30-31, 2012, pp. 239-244.
165. **Tomar, P.** and Gill, N. S.(2010). “***Verification & Validation of Component with New X Component-Based Model***”,proceedings of 2010 International Conference on Software Technology and Engineering, San Juan, Puerto Rico, USA, ISBN: 978-1-4244-8667-0,Vol. 2, pp.V2 365-V2 371.*(Indexed in IEEE Xplore)*
166. Gill N.S. and Hooda, R. (2010), “***Predictive Data Mining: Rolling from Data to Intelligence***”, **Proc. Of International Conference on Innovative Technologies (ICIT-09), P-93.**
167. Nasib S. Gill,“***Need of Appropriate Component Reusability Metrics and Standards for Component-Based Systems***”, **Proc. of the 2008 International Conference on Software Engineering Theory and Practice (SETP-08), pp. 123-127.**
168. Gill N.S., Lycett M., deCesare Sergio, “***Measurement of Component-Based Software: Some Important Issues***”, **7<sup>th</sup> Annual UKAIS Conference Proceedings, Leeds, UK, April 2002, pp. 373-381.**
169. GillN.S., Grover P.S., Taneja D.R.,“***System Complexity As An Aid To Quality Assurance***”, **Proceedings of IEEE First International Conference on Software Testing, Reliability, and Quality Assurance (STRQA'95), New Delhi, Feb 1995, pp. 116-120.**
170. GillN.S., Tomar Pardeep, “***Component-Based Software Testing: A Roadmap (Abstract)***”,**Proc. of 4<sup>th</sup> International Conference onComputer Science and Its Applications (ICCSA-2006)**,June 27-29, 2006, California, USA.
171. GillN.S. and Dabas K.C., “***Data Mining: A Key To Knowledge Society***”, **Volume II of Proc. ofInternational Conference on Information Management (ICIM) In A Knowledge Society (ICIM 2005), Feb. 21-25, 2005, pp. 1059-1060.**
172. GillN.S. and Dabas K.C.,“***Role of Data Mining and Warehousing For Future Libraries***”, **INFLIBNET 2<sup>nd</sup> International CALIBER-2004, February 11-13, 2004.**
173. GillN.S. and Grover P.S., “***Measuring Component-Based Systems***”,**National Conference on Software Engineering Principles And Practices (SEPP-04), March 5-6, 2004.**
174. GillN.S., Tomar P., Singh R., “***Wireless Communication Through WATM: Past, Present and Future***”, **Proc. ofInternational Conference on Challenges in Networking & Future of e-Commerce (CNFE-05), April 9-10, 2005; pp. 181-188.**
175. Gill N.S., Tomar P., “***Component Traceability, Testability and Testing: A Challenge in Component-Based Software Development***”, **Proc. of International Conference on Trends in Information Sciences and Computing (TISC) organized by Sathyabama University & Tata Consultancy Services (TCS) in Chennai, INDIA, 2007.**
176. Gill N.S., Tomar P., “***Impacts of Inadequate Testing and Testing Infrastructure in Component-Based Software Testing and Development***”, **Proc. of International Conference on Trends in Information Sciences and Computing (TISC) organized**

by Sathyabama University & Tata Consultancy Services (TCS) in Chennai, INDIA, 2007.

177. Gill N.S., Tomar P., *“Origin, Growth and Future of Software in Service Industry in India”*, Proc. of International Conference on Trends in Information Sciences and Computing (TISC) organized by Sathyabama University & Tata Consultancy Services (TCS) in Chennai, INDIA, 2007.
178. GillN.S., *“Computer: An Introduction”*, Haryana Science Bulletin (Hindi Magazine), October 1991, pp. 5-7.
179. GillN.S., *“Increasing Danger of Virus”*, Haryana Science Bulletin (Hindi Magazine), August 1991, pp. 11-12.
180. GillN.S., *“Y2K Crisis And Its Social Implications”*, HomePages News Paper, April 27, 1999.

### C) Papers Published in Proceedings of National Conferences

181. Gill Nasib Singh and Pooja Singh, *“Decentralized Key Generation Adapted With Clustering in Ad Hoc Networks”*, Proc. of National Conference on Emerging Trends in Cloud Computing and Big Data Analytics (ETCCBDA-17), Dept. of Comp. Sc. & Appls, M.D. University, Rohtak on March 6, 2017.
182. Gill N.S. and Grover P.S., *“Nesting Complexity Metric”*, Proceedings of XXIX Annual Convention of CSI (CSI'94): 'IT For Growth and Prosperity', Calcutta, Nov 1994, pp. 216-222.
183. GillN.S. and Grover P.S., *“Experimental Study of Program Comprehension”*, Abstract published in the proceedings of 83rd Indian Science Congress, Patiala, March 1996.
184. GillN.S. and Grover P.S., *“Relationship Between Program Complexity and Comprehension”*, Proceedings of CSI'96 Annual Convention, Bangalore, Oct. 1996.
185. GillN.S. and Dabas K.C., *“Information As A Strategic Resources for Socio-Economic Development and Growth of India”*, XVII National Seminar of IASLIC, Calcutta, Dec. 10-13, 1996.
186. GillN.S. and Dabas K.C., *“Indian Library System and National Development”*, ILA Volume of XLII All India Lib. Conference, Calicut, Dec. 21-24, 1996, pp. 24-35.
187. GillN.S., *“Information Technology : A Solution for Information Explosion”*, National Symposium on Recent Trends in Information Technology, Coimbatore, India, Feb. 20-21, 1997 .
188. Gill N.S., *“Social Impacts of Information Technology”*, proceedings of National Conference on Social Transformations, M.D.University, Rohtak, Feb. 1998.
189. GillN.S., *“Impact of Information Technology on Society”*, Invited Paper for a Volume of Book on Higher Education by Prof. V.T. Patil, KarnatakUniv., Dharwad.
190. GillN.S., *“Emerging Trends In Computer Education”*, published in Employment Bureau Bulletin, M.D.University, Rohtak, Haryana, 1994, pp. 3-7.
191. GillN.S., *“Information Retrieval Through Internet: Some Key-Issues”*, Proceedings of UGC sponsored Seminar on *“Internet For Higher Education”*, SardarPatelUniversity, Vallabh Vidyanagar, Gujrat, March 13-14, 1999.

192. Gill N.S., ***“ERP and BPR: Appropriate Tools For Productivity And Quality”***, Proceedings of National Conference on IT For Social Development and Productivity, CEDT of India, S.A.S. Nagar, Mohali (Pb.), May 14-16, 1999, pp. 36-39.
193. Gill N.S., ***“Infotech Hazards Of 21<sup>st</sup> Century”***, Proceedings of National Conference on Managerial Responses To Corporate Sector In The New Millennium, IMSAR, M.D.U. Rohtak, Feb. 17-18, 2000.
194. GillN.S. and Tuteja R.K., ***“Software Quality Assurance (SQA) : A Key-Issue For New Millennium”***, Proceedings of UGC Sponsored Workshop on Reliability And Computer Application In Statistics And Related Areas, Meerut, March 11-12, 2000.
195. GillN.S. and Tuteja R.K., ***“Emerging Trends Of Information Services And Information Superhighway”***, Proceedings of National Conference on Operations Research & Information Technology, Agra, April 2-3, 2000.
196. Gill N.S., Dabas K.C., Singh S., Dabas S. ***“Knowledge Management and HRD Issues in Hybrid University Libraries”***, Proceedings of 24<sup>th</sup> IASLIC Conference, Dec. 2003, pp. 322.
197. GillN.S., Dabas K.C., Dabas S. ***“Information Management in University Libraries in Electronic Environment”***,48<sup>th</sup> ILA Conference Volume, Jan. 2003, pp. 231-247.
198. GillN.S., ***“Impact of ICT in Teaching & Learning”***, Proc. of State Conference on Information & Communication Technology (ICT) in Teacher Education, Nov. 8, 2003. *(It was rated as the ‘Best Multimedia Presentation’ of the conference)*
199. GillN.S. and Dabas K.C.,***“Making Digital Libraries A Reality: Few Important Issues”***, Digital Information Exchange: Pathways to Build Global Information Society (SIS 2004, IIT Madras), January 21-23, 2004, pp. 294-301.
200. GillN.S. and Grover P.S., ***“Measuring Component-Based Systems”***,National Conference on Software Engineering Principles And Practices (SEPP-04), March 5-6, 2004.
201. GillN.S., ***“Essence of Strengthening Cyber Laws In India: Need of the Hour”***,Proc. ofNational Conference on India in the Globalized World: Challenges and Opportunities, April 30-May 1, 2005; pp. 68-70.
202. GillN.S., ***“Essence of Knowledge Management and Data Mining in 21<sup>st</sup> Century”***,Proc. of National Conference onCommunication & Computational Techniques (NCCT-06), Feb. 2006, Dehradun.
203. Gill N.S., Tomar P., ***“Software Component Technology: An Easy Way to Enhance Software Reusability (Abstract)”***, Proc. of 94<sup>th</sup> Indian Science Congress (ISCA-2006), AnnamalaiUniversity, Tamilnadu, INDIA, pp. 18-19.
204. GillN.S., Balkishan, ***“Wireless LAN: A Boon for Higher Education”***, Proc. of National Seminar on Network Technologies (AICTE sponsored at CITM, Faridabad), Sept. 2, 2006, pp. 40.
205. Gill N.S., Tomar P., ***“Reliability & Security in Open Source Software: Review & Analysis (Abstract)”***, Proc. of 94<sup>th</sup> Indian Science Congress (ISCA-2006), AnnamalaiUniversity, Tamilnadu, INDIA, pp. 21.
206. GillN.S., Tomar P., Balkishan, ***“Cellular Mobile Communication in the Cyber World of 21<sup>st</sup> Century: Evolution or Revolution”***, Proc. of National Seminar on Network Technologies (AICTE sponsored at CITM, Faridabad), Sept. 2, 2006, pp. 40.

207. GillN.S., Tomar P., “*Ontology Based Natural Language Processing for Improving the Ambiguities of Semantic Web Search*”, Proc. of National Seminar on Network Technologies (AICTE sponsored at CITM, Faridabad), Sept. 2, 2006, pp. 19.
208. GillN.S., “*Addressing Computer Network Security Challenges*”, Proc. of National Seminar on Network Technologies (AICTE sponsored at CITM, Faridabad), Sept. 2, 2006, pp.
209. GillN.S., “*Improving Software Quality by Controlling S/w Complexity*”, Proc. Of National Conference organized by Department of Mathematics, M.D.University, Rohtak on Dec. 20-22, 2006.
210. GillN.S., “*e-Governance for Regional Development: Opportunity & Challenges*”,Proc. of National Seminar on Regional Development, M.K.J.K. Mahavidyalya, Rohtak on September 19, 2007.
211. GillN.S., “*e-Governance for Rural India: Opportunity & Challenges*”,Proc. of National Seminar on “*Rural India – A Pathway to Competitive Advantage*” at N.C.College of Engg., Israna on March 24, 2007.
212. GillN.S., “*Challenges in Convergence of Intelligent Technologies in 21<sup>st</sup> Century*”, Proc. of AICTE sponsored National Seminar on “*Intelligent and Emerging Technologies in Mechanical and Automotive Engineering (NSITMAE)*”at I.T.M. Gurgaon, January 5-6, 2007.
213. GillN.S., “*Emergence of Autonomic Systems*”,Proc. of AICTE sponsored National Seminar on “*Emerging Trends in Software Engineering*” at N.C. College of Engg., Israna on Sep. 5, 2008.
214. GillN.S., “*Emerging Trends of Soft-Computing*”, Proc. of AICTE sponsored National Seminar on “*Artificial Intelligence and Soft-Computing*”at I.T.M. Gurgaon, August 29, 2008.
215. GillN.S., “*Information Technology in 21<sup>st</sup> Century: Opportunity & Challenges*”, Proc. of National Seminar on “*Understanding Computer*”at K.R. College of Higher Education, Delhi, March 14, 2008.
216. Navneet and Nasib Singh Gill (2011). “**Mobile Entertainment Issues**”, *Proceedings of National Conference on Emerging Trends in Mobile Technologies & Security (ETMTS-11)*, MaharshiDayanand University, Rohtak, March 29, 2011,pp. 259-261.
217. GillN.S., “*Cyber Security: A Big Challenge of 21<sup>st</sup> Century*”, Proc. of National Seminar on National Seminar on “*Network Security*” at DAV Institute of Management, Faridabadon April 7, 2007.
218. Kapil Junejaand Gill, Nasib Singh (2011). “**A Extensive Secure Communication Approach Using Mobile SSh**”, *Proceedings of National Conference on Emerging Trends in Mobile Technologies & Security (ETMTS-11)*, MaharshiDayanand University, Rohtak, March 29, 2011,pp. 267-271.
219. Narender Singh and Nasib Singh Gill (2011). “**Opportunities and Issues for Mobile Banking in India**”, *Proceedings of National Conference on Emerging Trends in Mobile Technologies & Security (ETMTS-11)*, MaharshiDayanand University, Rohtak, March 29, 2011,pp. 262-266.
220. Gill N.S. and Hooda Reena, “*Data Mining: Rolling from Data to Intelligence using Fuzzy Logic, Clustering and Neural Network Techniques*”, Proc. of AICTE sponsored National Seminar on “*Emerging Trends in Software Engineering*” at N.C. College of Engg., Israna on Sep. 5, 2008.

221. Kapil Junejaand Gill, Nasib Singh (2011). **“A Compositional Approach of Web Security in Cloud Computing”**, *Proceedings of National Conference on Emerging Trends in Mobile Technologies & Security (ETMTS-11)*, MaharshiDayanand University, Rohtak, March 29, 2011,pp. 174-176.
222. GillN.S., Tomar Pardeep, **“Component-Based Software Reusability: Success, Failure & New Directions”**, *Proceedings of National Conference on Information Technology: Present, Practices and Challenges* (August 31st - Sept 1, 2007) at Asia Pacific Institute of Management, New Delhi, pp. 361-365.
223. GillN.S., **“Global Meltdown: Challenges & Opportunities”**, Proc. of National Seminar on **“Global Meltdown”** at IMT, Faridabad, April 10-11, 2009.
224. Kapil Junejaand Gill, Nasib Singh (2011). **“Malicious Code Detection and Resolvant in Manets for Preserving Security”**, *Proceedings of National Conference on Emerging Trends in Mobile Technologies & Security (ETMTS-11)*, MaharshiDayanand University, Rohtak, March 29, 2011,pp. 78-82.
225. GillN.S., **“e-Governance: Opportunities, Risks and Challenges”**, Proc. of National Seminar on **“e-Governance: Opportunities & Challenges”** at GVM Institute of Technology & Management, Sonapat on May 23, 2009.
226. Kapil Junejaand Gill, Nasib Singh (2011). **“Dynamic Pattern Extraction to Perform Intruder Safe Steganography”**, *Proceedings of National Conference on Emerging Trends in Mobile Technologies & Security (ETMTS-11)*, MaharshiDayanand University, Rohtak, March 29, 2011,pp. 174-176.
227. Gill N. S. and Balkishan, (2007). **“COTS-Based Development Process, Challenges and Risks”**,*Proceedings of National Conference on Computing for Nation Development, Bharati Vidyapeeth, Institute of Computer Applications and Management, Delhi*, pp. 673.
228. GillN.S., Balkishan and Sunil Sikka (2011). **“Various Methods for Hiding the Data using Cryptography: A Review Article”**,*Proceedings of National Conference on Emerging Trends in Mobile Technologies & Security (ETMTS-11)*, Maharshi Dayanand University, Rohtak, March 29, 2011, pp. 275-277.
229. **Tomar, P.**, Rohitand Gill, N. S. (2011). **“Design and Development of a Framework for Mobile Chat Application with Silverlight”**, proceedings of Emerging Trends in Mobile Technologies and Security organized by Department of Computer Science & Applications, Maharshi Dayanand University, Rohtak, Haryana, INDIA.
230. Kumar, A.; **Tomar, P.**; Gill, N. S. and Panwar, D.(2010).**“New Optimal Process for Selection of Software Components”**, proceedings of 1<sup>st</sup> National Conference on Next Generation Computing and Information Security, jointly organized by Computer Society of India and Institute of Management Studies, Noida, Uttar Pradesh, INDIA, pp. 376.
231. Panwar, D.; **Tomar P.**; Gill, N. S. and Kumar, A.(2010). **“New Method to Analyze the Impacts on Reliability and Reusability in Component-Based Software Development”**, proceedings of 1<sup>st</sup> National Conference on Next Generation Computing and Information Security, jointly organized by Computer Society of India and Institute of Management Studies, Noida, Uttar Pradesh, INDIA,pp. 379.
232. **Reena Hooda**and Nasib Singh Gill(2011). **“Mobile Money Transfer Technology: Mechanics and Management”**, *Proceedings of National Conference on Emerging Trends in Mobile Technologies & Security (ETMTS-11)*, MaharshiDayanand University, Rohtak, March 29, 2011,pp. 352-353.

233. Gill N.S., Sunil Sikka and Balkishan (2011).“**Text Cryptography using Crossover Genetic Operator**”, *Proceedings of National Conference on Emerging Trends in Mobile Technologies & Security (ETMTS-11)*, Maharshi Dayanand University, Rohtak, March 29, 2011, pp. 24-26.
234. **Tomar, P.** and Gill, N. S. (2011). “**Steganography through DNA Computing: A Secure Approach for Mobile Communication**”, *Proceedings of National Conference on Emerging Trends in Mobile Technologies & Security (ETMTS-11)*, Maharshi Dayanand University, Rohtak, March 29, 2011, pp. 257-258.
235. Navneet and **Nasib Singh Gill (2013)**. “**Analysing Various Selection Criteria of Decision Trees**”, *Proceedings of National Conference on Advanced Computing Technologies (NCACT-2013)*, Maharshi Dayanand University, Rohtak, March 30, 2013, pp. 254-256. (ISBN – 978-93-259-6688-8)
236. Manisha and **Nasib Singh Gill (2013)**. “**A Review on Image Enhancement Techniques for 3D Media**”, *Proceedings of National Conference on Advanced Computing Technologies (NCACT-2013)*, Maharshi Dayanand University, Rohtak, March 30, 2013, pp. 437-440. (ISBN – 978-93-259-6688-8)
237. **Nasib Singh Gill** and Pooja Singh(2013). “**A Trust Model for Trust Mgmt in Mobile Ad-hoc Networks**”, *Proceedings of National Conference on Advanced Computing Technologies (NCACT-2013)*, Maharshi Dayanand University, Rohtak, March 30, 2013, pp. 791-795. (ISBN – 978-93-259-6688-8)
238. Anupama Verma, Pradeep Tomar, **Nasib Singh Gill** and Annu (2013). “**A Critical Analysis of Coupling Metrics for Aspect-Oriented S/w Engg**”, *Proceedings of National Conference on Advanced Computing Technologies (NCACT-2013)*, Maharshi Dayanand University, Rohtak, March 30, 2013, pp. 705-707. (ISBN – 978-93-259-6688-8)
239. Renu Yadav and Nasib Singh Gill (2015). “**Review of Advanced Encryption Standard Algorithm for Data Protection Through Network**”, Proc. of National Conference on Emerging Computing Technologies & ICT for Development (NCECT & ICTD-2015), organised by Department of Computer Science & Applications, M.D. University, Rohtak.
240. Vijay Bharti and Nasib Singh Gill (2015).***Distributed Denial of Service Attacks and IP Traceback Countermeasures***, Proc. of National Conference on Emerging Computing Technologies & ICT for Development (NCECT & ICTD-2015), organised by Department of Computer Science & Applications, M.D. University, Rohtak.

### **E) Papers Reviewed**

1. “Software quality improvement: a model based on managing factors impacting software quality”, *Software Quality Journal*, Springer Journals, May 2014. [www.springer.com](http://www.springer.com)
2. “*Optimal Staffing Model For Supermarket: Case Study On A Hypothetical Supermarket*” paper reviewed for International Conference ICMO-2014, Sept. 6-8, 2014, Chengdu, China.
3. “*Mode I Stress Intensity Factors for Centrally Cracked Semiconductor Material Planes in C4 Flipchips*” paper reviewed for International Conference ICMO-2014, Sept. 6-8, 2014, Chengdu, China.

4. “*Determinants of Underpricing In Indonesian Stock Market*” paper reviewed for International Conference ICCBM-2014, June 2-3, 2014, London, U.K.
5. “*Sale Strategy of Substitutable Products under Consumer Choice*” paper reviewed for International Conference ICMO-2014, Sept. 6-8, 2014, Chengdu, China.
6. “*An Information System Model for the e-Government of Digital Bangladesh*” paper reviewed for International Conference ICCBM-2014, June 2-3, 2014, London, U.K.
7. “An Empirical Study of Factors Impacting Size of the Object-Oriented Software Component”, International Journal of *Information Systems and Computing*, USA.
8. “NISAGENET- A Web Based Information System on Agricultural Education”, *Statistics and Applications* (Journal of the Society of Statistics Computer and Applications), IASRI, New Delhi, India.
9. “Architecture, Design and Implementation Strategy for Web Based Personnel Management System”, *Statistics and Applications* (Journal of the Society of Statistics Computer and Applications), IASRI, New Delhi, India.
10. “A Fuzzy Approach for Integrated Measure of Object-Oriented Software Complexity”, DIAS Technology Review (International Journal for Business and IT).
11. “Capability Maturity Model Integration in Higher Education”, Techgenesis (*The Journal of Information Technology*), Amity Institute of Information Technology, Noida.
12. “Software Reliability Models: A Historical Perspective”, Techgenesis (*The Journal of Information Technology*), Amity Institute of Information Technology, Noida.

**F) Conferences/Seminars/Workshops/FDPs Attended**

- a) Acted as Invited Speaker on the theme of the National Conference on “***Advances in Mathematics & Computing (AMC-2017)***” organized by YMCA University of Science & Technology, Faridabad on May 2, 2017.
- b) Acted as Keynote Speaker in the International Conference on “***A Journey towards Platinum Era – Vision Rainbow Power of India (ICPVRPI-2017)***” organized by IMT, Faridabad on 7<sup>th</sup> April 2017 held during April 7-8, 2017.
- c) Acted as Chief-Guest for Valedictory Session in the TEQIP-II Sponsored International Conference on “***Innovation & Trends to Support Make In India***” organized by N.C. College of Engineering, Israna, Panipat on 26<sup>th</sup> March 2017.
- d) Acted as Conference Chairman of the National Conference on Emerging Trends in Cloud Computing and Big Data Analytics (ETCCBDA-17), Dept. of Comp. Sc. & Appls, M.D. University, Rohtak on March 6, 2017 and delivered the address on the theme of the conference.
- e) Acted as Keynote Speaker in One Day ***National Seminar on Cyber Crime and Security*** organized by K.L. Mehta Dayanand College for Women, Faridabad on March 4, 2017.
- f) 4<sup>th</sup> IEEE International Conference on “***Computing For Sustainable Global Development***” – 11<sup>th</sup> INDIACOM-2017 organized by BVICAM, New Delhi during 01<sup>st</sup>- 03<sup>rd</sup> March, 2017 and Chaired a Technical Session on 02<sup>nd</sup> March 2017.
- g) Acted as Chief-Guest and Keynote Speaker in National Seminar on “***Mathematics and Computer-Computing and Communication (NCMCCC-2017)***” organized by Aggarwal College, Ballabgarh, NCR-Faridabad on 18<sup>th</sup> Feb. 2017.
- h) Acted as Keynote Speaker in the 6<sup>th</sup> IEEE National Conference on “***Emerging Trends in Engineering & Technology (ETET-2017)***” organized by SBIT, Sonapat, Delhi-NCR on



- 10<sup>th</sup> Feb. 2017 and delivered expert talk on ***“Innovative Future Computing Technologies: Opportunities and Challenges”***.
- i) Acted as Chief-Guest and Keynote Speaker in the International Conference on ***“Innovative Developments in Science, Technology and Management”*** organized by Ganga Technical Campus, Delhi-NCR on 29<sup>th</sup> January, 2017.
  - j) Acted as Resource Person on 20.12.2016 in ***FDP-SCTSEA (One Week Faculty Development Programme on Recent Trends of Soft-Computing Techniques in Software Engineering and Applications)*** organized by Gautam Buddha University, Greater Noida.
  - k) Acted as Chief-Guest and Keynote Speaker on December 8, 2016 in the National Conference on ***“Innovation & Technology Strategy in Cloud Computing and Information Security”*** organized by Lingaya’s University, Delhi-NCR during December 8-9, 2016.
  - l) Acted as a Resource Person in ***Elsevier Author workshop*** on November 18, 2016 conducted by Vivekananda Library M. D. University Rohtak.
  - m) Acted as Resource Person and Chaired Technical Session on 28<sup>th</sup> October 2016 in the DST-Inspire Science Camp organized by Ch. Bansi Lal University, Bhiwani and delivered talk on ***“Future Computing Technologies”***
  - n) Acted as Resource Person in National Workshop on ***“E-Governance in India: Issues and Challenges”*** organized by Dept. of Public Administration, M.D. University, Rohtak on October 5, 2016.
  - o) Acted as Keynote Speaker and Guest of Honour in the International Conference on ***“Recent Innovations in Science, Management, Education and Technology (ICRISMET-16)”*** organized by JCD Memorial College, Sirsa, Haryana on 27<sup>th</sup> August 2016.
  - p) Acted as Guest of Honor and delivered Valedictory Address on the theme of the National Conference on ***“Emerging Trends in Computer Science and Electronics Engineering – ETCSEE-2016”*** organized at RPS Group of Institutions, Mahendergarh on 10<sup>th</sup> April, 2016.
  - q) 3<sup>rd</sup> IEEE International Conference on ***“Computing For Sustainable Global Development”*** – 10<sup>th</sup> INDIACOM-2016 organized by BVICAM, New Delhi during 16<sup>th</sup> – 18<sup>th</sup> March, 2016 and Chaired a Technical Session on 18<sup>th</sup> March 2016.
  - r) Acted as Guest of Honor and delivered Keynote Address on the theme of the ***“National Conference on Cyber Security Issues and Challenges”*** held at Tecnia Institute of Advanced Studies, New Delhi on 26<sup>th</sup> Feb, 2016.
  - s) ***“50<sup>th</sup> Golden Jubilee Annual Convention (CSI-2015)”*** on the theme ***“Digital Life”*** during December 2-5, 2015 at BVICAM, New Delhi Chaired a Technical Session on 3<sup>rd</sup> December 2015.
  - t) **International Conference on Software Engineering Research and Practice (SERP’14) at Las Vegas, USA during July 21-24, 2014** and presented our paper ***“Application of a Fuzzy Inference System to Measure Maintainability of Object-Oriented Software”*** and chaired Two Technical Sessions of the Intl Conference.
  - u) Two Weeks (May 4-16, 2015) ***Faculty Development Program on Rational SEED and Rational SEED for Quality*** conducted by WebTek Labs Pvt. Ltd. at Department of Computer Science & Applications, M.D. University, Rohtak.
  - v) **International Conference on “Recent Trends in Computer and Information Technology Research”** organised by B.S. Anangpuria Institute of Technology and

- Management, Faridabad (Haryana) on September 25, 2015 and delivered Keynote Address on the theme of the Conference.
- w) International Conference on “*Emerging Trends in Technology, Science & Upcoming Research*” held at DAV Institute of Management, Faridabad (Haryana) on April 25, 2015. Acted as Chief Guest and delivered Keynote Address on the theme of the Conference.
  - x) 1<sup>st</sup> International Yoga Day Celebrations organized by M.D. University, Rohtak on 21<sup>st</sup> June, 2015 and chaired Session in Seminar on “Yoga and Holistic Life” at MDU Campus.
  - y) Yoga Training/7-Days Health Awareness Camp (18.6.2015-24.6.2015) held at Youth Red Cross, M.D. University, Rohtak and delivered keynote address on its Inaugural Day.
  - z) Inter-Zonal Youth Festival and Folk Festival of M.D. University, Rohtak for session 2014-15 and acted as Organizing Secretary of this event.
  - aa) International Conference on “*Innovative Trends in Computing Technology & Mathematica*” – *ITCTM-2015* organised by Delhi Institute of Technology & Management, Sonapat, Haryana on January 10, 2015 and contributed Keynote Address on the theme of the Conference in the proceedings of the Conference (*Could not attend the Conference*).
  - bb) National Conference on “*Innovations in Computing and Information Technology*” – *COGNITION-2015* organised by Amity University, Gurgaon, Haryana on 25<sup>th</sup> – 26<sup>th</sup> February, 2015 and participated as a Keynote Speaker in the Inaugural of the Conference and also Chaired a session on ‘*Advancements in Information Technology*’.
  - cc) National Conference on “*Emerging Trends in Computer Science & Information Technology*” – *NCETCSIT-2015* organised by Rawal Institutions, Faridabad, Haryana on January 10, 2015 and delivered Keynote Address on the theme of the Conference.
  - dd) Workshop on “*Sexual Harassment and Violence against Women: Prevention, Prohibition and Redressal*” organised by M.D. University, Rohtak on 17.03.2015 and acted as Resource Person on “*Cyber Crimes and Cyber Security*”.
  - ee) IEEE sponsored 4<sup>th</sup> National Conference on “*Emerging Trends in Engineering & Technology*” – *ETET-2015* organised by SBIT, Sonapat, Haryana on February 6-7, 2015 and delivered Keynote Address on the theme of the Conference during its inaugural.
  - ff) National Conference on “*Innovative Trends in Computer Science Engineering*” – *ITCSE-2015* organised by BRCM College of Engg. & Technology, Bahal (Hr) on April 4, 2015. Acted as Chief Guest and delivered Keynote Address on the theme of the Conference.
  - gg) National Conference on “*Innovative Development in Science, Technology & Management*” organised by Ganga Technical Campus, Bahadurgarh, Haryana on 1<sup>st</sup> March 2015 and as a Chief-Guest & Keynote Speaker delivered Keynote Address on the theme of the Conference.
  - hh) National Conference on “*Advancement in Biometrics Trends & Its Applications*” organised by Dronacharya College of Engineering, Gurgaon on October 16, 2015 as Chief-Guest & Keynote Speaker delivered Keynote Address on the theme of the Conference.

- ii) National Workshop on *“Intelligent System for Engineering and Management”* organised by Somany(P.G.) Institute of Technology and Management, Rewari, Haryana on 28<sup>th</sup> March 2015 and as a Chief-Guest delivered Keynote Address on the theme of the Workshop.
- jj) National Workshop on *“Emerging Trends in Computing & Challenges for Future”* organised by BLS Institute of Technology Management, Bahadurgarh (Hr.) on 22<sup>nd</sup> April 2015 and delivered Keynote Address on the theme of the Workshop.
- kk) Workshop on *“Quality Workshop for Engineering Faculty”* organised by IQAC, Manav Rachna International University, Faridabad (Haryana) on 27<sup>th</sup> September, 2014 and delivered a session on *“Methods and Techniques for Effective Teaching in Technical Courses”*.
- ll) National Conference on *“Recent Innovations in Engineering, Management and Science”* organised by Ganga Institute of Technology and Management, Kablana (Haryana) on 23<sup>rd</sup> August, 2014 and acted as Chief Guest and delivered Keynote Address.
- mm) 7<sup>th</sup> National Teachers’ Science Congress-2013 organised by Department of Science & Technology, MHRD, Govt. of India at Al-Falah School of Engg. & Technology, Faridabad during December 14-17, 2013 and acted as an Expert/Evaluator.
- nn) International Conference on *“Emerging Technologies – ICET-2014”* organised by N.C. College of Engineering, Israna, Panipat and sponsored under TEQIP-II during April 24-26, 2014 and delivered an Invited Talk and chaired a Technical Session.
- oo) AICTE Sponsored National Seminar on *“Mobile Computing and Mobile Applications Development – MOBAPP-2014”* organised by N.C. College of Engineering Technical Campus, Israna, Panipat during March 28-29, 2014 and delivered a Keynote Address.
- pp) National Conference on *“Innovative Trends in Information Processing & Management” - NCITIPM2K14* organised by Maharaja Surajmal Institute (MSI), New Delhi on March 15, 2014 and delivered a Keynote Address.
- qq) International Conference on *“Computing For Sustainable Global Development” – 8<sup>th</sup> INDIACom-2014* organized by BVICAM, New Delhi during 5<sup>th</sup> – 7<sup>th</sup> March, 2014 and Chaired a Technical Session on 7<sup>th</sup> March 2014.
- rr) One Week National Workshop on *“Problem Solving Using MATLAB”*, organised by Department of Computer Science & applications, M.D. University, Rohtak during March 24-29, 2014.
- ss) National Conference on *“Innovative Trends in Information Processing & Management” - NCITIPM2K14* organised by Maharaja Surajmal Institute (MSI), New Delhi on March 15, 2014 and chaired Technical Session of the conference.
- tt) National Conference on *“Emerging Trends in Electronics & Communication: ETEC-2013”* organized by BRCM College of Engg. & Technology, Bahal, Haryana during October 25-26, 2013 and delivered a Keynote Address on *“Future Trends in Computing and Communication Technologies”* on October 26, 2013.
- uu) National Conference on *“Emerging Trends & Innovations in Computer & Communication” – NCETICC-2013* organized by SITM, Rewari on October 19, 2013 and delivered a Keynote Address on *“Future Trends & Innovations in Computing Technologies”*.

- vv) **National Conference on “Global Competitiveness: Paradigm Shift in Management, Engineering & science”, organised by Savera Group of Institutions, Gurgaon, Haryana on April 27, 2013 and delivered a Invited Talk on the theme of Conference.**
- ww) **IEEE sponsored 2<sup>nd</sup> National Conference on “Emerging Trends in Engineering & Technology” (ETET-2013), organised by SBIT Group of Institutions, Sonapat, Haryana during Feb. 8-9, 2013 and delivered a Keynote Address.**
- xx) **National Conference on “Emerging Trends in Science, Technology and Management – Vision 2020”, organised by Savera Group of Institutions, Gurgaon, Haryana on Jan 18-19, 2013 and delivered a Keynote Address on “Emerging Trends in Computing Technologies”.**
- yy) **National Conference on “Emerging Trends in Science, Technology & Management-Vision 2020” ICHDMS-2012 organised by GITM, Gurgaon during January 18-19, 2013 and delivered Keynote Address on the theme “Emerging Trends in Computing Technologies” in the inaugural session on 18<sup>th</sup> January 2013.**
- zz) **International Conference ICHDMS-2012 organised by Department of Mathematics, M.D. University, Rohtak during November 21-24, 2014 and delivered an Invited Talk on the theme “Next Generation Computing Technologies: Opportunities and Challenges” in the Technical Session on Nov. 22, 2012.**
- aaa) **INTERNATIONAL CONFERENCE on “Innovations in Management & Information Technology” (ICIMIT-2012) organized by IMT, Faridabad on 7<sup>th</sup> April, 2012 and addressed the audience in the inaugural session as well as chaired the Technical Session.**
- bbb) **IEEE sponsored 1st National Conference on “Emerging Trends in Engineering and Technology” (NCETET-12) organised by SBIT, Sonapat on Feb. 3-4, 2012 in collaboration with Computer Society of India (CSI), Indian Society for Technical Education (ISTE), and IEEE Student Branch - Delhi chapter on and addressed the audience in the inaugural session on Feb. 3, 2012 as well as chaired the Technical Session.**
- ccc) **National Conference on “Emerging Trends In Computer and Information Technology” (NCETCIT-2012) organised by GVMITM, Sonapat during MAY 11-12, 2012 and delivered an expert talk on “Emerging Trends in Computing Technologies”**
- ddd) **2<sup>nd</sup> National Conference on Emerging Trends In Electronics & Information Technology organised by AITM, Palwal during April 14-15, 2012 and delivered Keynote Address on “Future Generation Computing Technologies”**
- eee) **National Conference on “Internet Computing and Communication (IC2)” organised by TIAS, New Delhi on April 21, 2012 and delivered Keynote Address on “Next Generation Computing Technologies: Opportunities & Challenges”**
- fff) **International Conference on “Business Intelligence-An Alignment of IT & Management” at IMT, Faridabad, April 9, 2011 and delivered a talk on the theme of the Conference.**
- ggg) **National Workshop on “Software Reliability and Testing”, Gautam Buddha University, Greater Noida (UP), Sept 2-3, 2011 and delivered a talk on “Component-based Software Testing: Issues and Challenges” on Sept. 3, 2011.**
- hhh) **National Seminar on “Tourism – Linking Cultures” organized by Institute of Hotel & Tourism Management, M. D. University, Rohtak on Sept. 27, 2011 and delivered an**

- Expert Lecture as one of Key Speakers on ***“IT and Tourism: New Opportunities for Linking Cultures”***.
- iii) **Organised National Conference on “Emerging Trends in Mobile Technologies & Security (ETMTS-11)”** by Department of Computer Science & Applications, Maharshi Dayanand University, Rohtak on **March 29, 2011 and brought out published volume of Conference Proceedings. (Acted as Conference Director)**
  - jjj) **National Conclave on “Language and IT Industry – Jell Well”**, DAV Centenary College, Faridabad on Feb. 25, 2011 and delivered Keynote Address.
  - kkk) **International Conference on Software Engineering Theory and Practice 2008 (SETP-2008) at Florida during July 7-10, 2008 and presented my paper “Need of Appropriate Component Reusability Metrics and Standards for Component-Based Systems”.**
  - lll) National Conference on **“Emerging Trends in Hospitality & Tourism”**, Organized by IHTM, Maharshi Dayanand University, Rohtak, April 09-10, 2011.
  - mmm) Workshop on **“Recent Trends in Software Testing”** organized by Delhi Technological University, Delhi on 17<sup>th</sup> September, 2010 and delivered Invited Talk on “Component-Based Testing”.
  - nnn) National Seminar on **“Global Meltdown”** at IMT, Faridabad, April 10-11, 2009 and presented Invited Paper **“Global Meltdown: Challenges & Opportunities”**.
  - ooo) National Seminar on **“e-Governance: Opportunities & Challenges”** at GVM Institute of Technology & Management, Sonapat on May 23, 2009 and presented Keynote Address on **“e-Governance: Opportunities, Risks and Challenges”**.
  - ppp) National Seminar on **“Trends in Wireless and Mobile Communication (TWMC-09)”**, at SBIT, Sonapat on 27.02.2009 and made a presentation as Keynote Speaker on **“MDU Campus Wide Integrated Network for Internet & Telephony”**.
  - qqq) National Seminar on **“e-business”** at Tecnia Institute, New Delhi and made a presentation as Keynote Speaker on **“e-Business in 21<sup>st</sup> Century: Opportunities & Challenges”**.
  - rrr) **Invited Speaker in National Seminar on Regional Development**, M.K.J.K. Mahavidyalya, Rohtak on September 19, 2007 and made a presentation on **e-Governance for Regional Development: Opportunity & Challenges**.
  - sss) **Key Note Speaker in National Seminar on Enterprise Information Systems, organized by Apeejay Institute of Management, Jalandharon 24.5.2008 and made a presentation on Enterprise Information Systems in 21<sup>st</sup> Century: Opportunities and Challenges.**
  - ttt) **ICDE International Conference held at IGNOU, New Delhi in Nov. 2006.**
  - uuu) **International Conference on Information Management In A Knowledge Society (ICIM 2005) organized by IASLIC at Bombay during Feb. 21-25, 2005 and presented paper “Data Mining: A Key To Knowledge Society”.**
  - vvv) National Conference on **India in the Globalized World: Challenges and Opportunities**, April 30-May 1, 2005 and presented paper **“Essence of Strengthening Cyber Laws In India: Need of the Hour”**.
  - www) Workshop on ICT on May 7<sup>th</sup>, 2004 at C.R. College of Education, Rohtak and presented the paper **“ICT in Education”**.

**G) Resource Person/Expert Lecturers Delivered/Workshops Conducted**

- a) Acted as Resource Person in the Orientation Programme on “**Career Awareness**” organized by Vaish Arya Kanya Mahavidyalaya, Bahadurgarh (Jhajjar) on 03.06.2017.
- b) Acted as Invited Speaker in the “**3-Months Certificate Course in Panchayati Raj & Rural Development**” under the aegis of Deen Dayal Upadhyaya Centre of Excellence for Rural Development, M.D. University, Rohtak and conducted Expert Session on “**ICT – Theoretical Perspective: Objectives and Features**” on 27.05.2017.
- c) Acted as Invited Speaker in the “**3-Months Certificate Course in Panchayati Raj & Rural Development**” under the aegis of Deen Dayal Upadhyaya Centre of Excellence for Rural Development, M.D. University, Rohtak and conducted Expert Session on “**Effective Use of ICT Tools**” on 27.05.2017.
- d) Acted as Invited Speaker in the National Conference on “**Advances in Mathematics & Computing (AMC-2017)**” organized by YMCA University of Science & Technology, Faridabad on May 2, 2017 and made presentation on the theme “**Advanced Computing Technology for India Tomorrow**”.
- e) Acted as Keynote Speaker and delivered keynote address in the International Conference on “**A Journey towards Platinum Era – Vision Rainbow Power of India (ICPVRPI-2017)**” organized by IMT, Faridabad on 7<sup>th</sup> April 2017 held during April 7-8, 2017.
- f) Delivered Invited Talk and Valedictory Address in the TEQIP-II Sponsored International Conference on “**Innovation & Trends to Support Make In India**” organized by N.C. College of Engineering, Israna, Panipat on 26<sup>th</sup> March 2017.
- g) Delivered Keynote Speech on the theme in One Day **National Seminar on Cyber Crime and Security** organized by K.L. Mehta Dayanand College for Women, Faridabad on March 4, 2017.
- h) Acted as a Judge in the subject of Computer Science at State Level Science Exhibition held at D.A.V. Centenary College, Faridabad on 4<sup>th</sup> March 2017.
- i) Delivered Inaugural Address and Keynote Address on the theme “Latest Innovations & Technologies” in National Seminar on “**Mathematics and Computer-Computing and Communication (NCMCCC-2017)**” organized by Aggarwal College, Ballabgarh, NCR-Faridabad on 18<sup>th</sup> Feb. 2017.
- j) Delivered Inaugural Address as Chief-Guest and Keynote Address in the International Conference on “**Innovative Developments in Science, Technology and Management**” organized by Ganga Technical Campus, Delhi-NCR on 29<sup>th</sup> January, 2017.
- k) Acted as Resource Person and delivered an expert talk on “**Future Generation Computing Technologies : Opportunities and Challenges**” on 20.12.2016 in **FDP-SCTSEA (One Week Faculty Development Programme on Recent Trends of Soft-Computing Techniques in Software Engineering and Applications)** organized by Gautam Buddha University, Greater Noida.
- l) Delivered Inaugural Address as Chief-Guest and Keynote Address on December 8, 2016 in the National Conference on “**Innovation & Technology Strategy in Cloud Computing and Information Security**” organized by Lingaya’s University, Delhi-NCR during December 8-9, 2016.
- m) Conducted two sessions on “**E-Governance**” and “**Information Communication Technology (ICT)**” on 08.12.2016 in **Induction Training Programme for Cutting Edge Level Government Functionaries organized by Divisional Training Centre, HIPA, Rohtak.**

- n) Resource Person in Academic Staff College, B.P.S. Mahila Vishwavidyalaya, Khanpur Kalan, Sonapat and conducted **two sessions** for participants of Refresher Course in ICT(ID) on the theme “**Future Computing Technologies**” on December 1, 2016.
- o) Acted as Resource Person and delivered Expert Talk on “**Future Computing Technologies**” in Department of Computer Science, Central University of Haryana, Mahendergarh on November 22, 2016.
- p) Acted as Resource Person and delivered Expert Talk on “**Future Computing Technologies**” in Department of Computer Science, Central University of Haryana, Mahendergarh on November 22, 2016.
- q) Acted as Resource Person and delivered Expert Talk on “**Emerging Trends in E-commerce**” in Department of Commerce, Central University of Haryana, Mahendergarh on November 22, 2016.
- r) Acted as a Resource Person in **Elsevier Author Workshop** on November 18, 2016 conducted by Vivekananda Library M. D. University Rohtak.
- s) Acted as Resource Person and delivered Expert Talk on “**Future Computing Technologies: Opportunities and Challenges**” in National Workshop on “**E-Governance in India: Issues and Challenges**” organized by Dept. of Public Administration, M.D. University, Rohtak on October 5, 2016.
- t) Conducted a Workshop on the theme “**Recent Innovations and Future Computing Technologies**” at Saraswati Mahila Mahavidyalaya, Palwal on 28<sup>th</sup> September 2016 and addressed the students.
- u) Delivered Keynote Address in the International Conference on “**Recent Innovations in Science, Management, Education and Technology (ICRISMET-16)**” organized by JCD Memorial College, Sirsa, Haryana on 27<sup>th</sup> August 2016.
- v) Conducted a Workshop on the theme “**Next Generation Computing Technologies: Opportunities & Challenges**” at Hindu Girls College, Sonapat on 1<sup>st</sup> June 2016 and addressed the students.
- w) Acted as Guest of Honor and delivered Keynote Address during HSCST (Haryana State Council for Science & Technology, DST, Haryana) sponsored “**National Technology Day – NTD-2016**” on 10<sup>th</sup> May 2016 at BPS Mahila Vishwavidyalaya, Khanpur Kalan, Sonapat
- x) Acted as Guest of Honor and delivered Valedictory Address on the theme of the National Conference on “**Emerging Trends in Computer Science and Electronics Engineering – ETCSEE-2016**” organized at RPS Group of Institutions, Mahendergarh on 10<sup>th</sup> April, 2016.
- y) Conducted two sessions on “**E-Governance**” and “**Information Communication Technology (ICT)**” on 07.04.2016 in a *Training Programme on Information Technology for Effective Office Management* organized by **Divisional Training Centre, HIPA, Rohtak.**
- z) Acted as Guest of Honor and delivered Keynote Address on the theme of the “**National Conference on Cyber Security Issues and Challenges**” held at Tecnia Institute of Advanced Studies, New Delhi on 26<sup>th</sup> Feb, 2016.
- aa) Conducted two sessions on “**E-Governance**” and “**Information Communication Technology (ICT)**” on 17.02.2016 in *Induction Training Programme for Cutting Edge Level Government Functionaries* organized by **Divisional Training Centre, HIPA, Rohtak.**

- bb) Conducted two sessions on “**An Overview of E-Governance**” and “**Internet & Cyber Security**” on 12.01.2016 in Training Programme on “*MS-Office, Internet, e-Salary & On-Line Budgeting System*” **organized by Divisional Training Centre, HIPA, Rohtak.**
- cc) Conducted two sessions on “**Internet and Communication Technology (ICT)**” and “**An Overview of E-Governance**” on 10.12.2015 in **Training Programme on Office Automation Tools: “MS-Office, Internet, e-Salary & On-Line Budgeting System” organized by Divisional Training Centre, HIPA, Rohtak.**
- dd) Acted as Chief Guest and delivered Keynote Address on the theme of the International Conference on “*Emerging Trends in Technology, Science & Upcoming Research*” held at DAV Institute of Management, Faridabad (Haryana) on April 25, 2015.
- ee) Resource Person in Academic Staff College, Kurukshetra and conducted two sessions on June 29, 2015 for participants of Refresher Course in Computer Science on the themes
- a. ***Internet of Things (IoT)***
  - b. ***Future Trends in Computing Technologies***
- ff) Chaired a Session in Seminar on “Yoga and Holistic Life” at MDU Campus during 1<sup>st</sup> International Yoga Day Celebrations organized by M.D. University, Rohtak on 21<sup>st</sup> June, 2015.
- gg) Delivered Keynote Address on Inaugural Day of Yoga Training/7-Days Health Awareness Camp (18.6.2015-24.6.2015) held at Youth Red Cross, M.D. University, Rohtak.
- hh) Acted as Organizing Secretary of Inter-Zonal Youth Festival and Folk Festival of M.D. University, Rohtak for session 2014-15 and conducted the Inaugural of the event where Governor, Haryana and Chancellor His Excellency Prof Kaptan Singh Solanki was the Chief Guest.
- ii) Acted as a Keynote Speaker in the Inaugural of the Conference and also Chaired a session on ‘*Advancements in Information Technology*’ in National Conference on “*Innovations in Computing and Information Technology*” – **COGNITION-2015** organised by Amity University, Gurgaon, Haryana on 25<sup>th</sup> – 26<sup>th</sup> February, 2015.
- jj) Delivered Keynote Address on the theme of the National Conference on “*Emerging Trends in Computer Science & Information Technology*” – **NCETCSIT-2015** organised by Rawal Institutions, Faridabad, Haryana on January 10, 2015.
- kk) Acted as Resource Person on “*Cyber Crimes and Cyber Security*” in Workshop on “*Sexual Harassment and Violence against Women: Prevention, Prohibition and Redressal*” organised by M.D. University, Rohtak on 17.03.2015.
- ll) Delivered Keynote Address on the theme of the Conference during inaugural of IEEE sponsored 4<sup>th</sup> National Conference on “*Emerging Trends in Engineering & Technology*” – **ETET-2015** organised by SBIT, Sonapat, Haryana on February 6-7, 2015.
- mm) Acted as Chief Guest and delivered Keynote Address on the theme of the National Conference on “*Innovative Trends in Computer Science Engineering*” – **ITCSE-2015** organised by BRCM College of Engg. & Technology, Bahal (Hr) on April 4, 2015.
- nn) Acted as Chief-Guest and delivered Keynote Address on the theme of the National Conference on “*Innovative Development in Science, Technology & Management*” organised by Ganga Technical Campus, Bahadurgarh, Haryana on 1<sup>st</sup> March 2015.



- oo) Acted as Chief-Guest & Keynote Speaker and delivered Keynote Address on the theme of the National Conference on “*Advancement in Biometrics Trends & Its Applications*” organised by Dronacharya College of Engineering, Gurgaon on October 16, 2015.
- pp) Acted as Chief-Guest and delivered Keynote Address on the theme of the National Workshop on “*Intelligent System for Engineering and Management*” organised by Somany(P.G.) Institute of Technology and Management, Rewari, Haryana on 28<sup>th</sup> March 2015.
- qq) Delivered Keynote Address on the theme of the National Workshop on “*Emerging Trends in Computing & Challenges for Future*” organised by BLS Institute of Technology Management, Bahadurgarh (Hr.) on 22<sup>nd</sup> April 2015.
- rr) Conducted two sessions on 12.09.2014 on “*Slide Creation using Microsoft PowerPoint*” and “*Animation, Designing using Microsoft Power Point*” in Training Programme on “Office Automation tools:- Computer Training on MS-Office, Internet, e-Salary & On-Line Budgeting System” **organized by Divisional Training Centre, HIPA, Rohtak.**
- ss) Acted as an Expert on a session on “*Methods and Techniques for Effective Teaching in Technical Courses*” in Workshop on “*Quality Workshop for Engineering Faculty*” organised by IQAC, Manav Rachna International University, Faridabad (Haryana) on 27<sup>th</sup> September, 2014.
- tt) Acted as Chief Guest and delivered Keynote Address in National Conference on “*Recent Innovations in Engineering, Management and Science*” organised by Ganga Institute of Technology and Management, Kablana (Haryana) on 23<sup>rd</sup> August, 2014.
- uu) Conducted two sessions on 18.06.2014 on “*Slide Creation using Microsoft PowerPoint*” and “*Animation, Designing using Microsoft Power Point*” in Training Programme on “Office Automation tools:- Computer Training on MS-Office, Internet, e-Salary & On-Line Budgeting System” **organized by Divisional Training Centre, HIPA, Rohtak.**
- vv) **Conducted two sessions on 22.05.2014 on “Features of Microsoft Excel” and “Data Base Creation Using Microsoft Access” in Training Programme on “Employability Skills for Unemployed Youths” organized by Divisional Training Centre, HIPA, Rohtak on 22.05.2014.**
- ww) Resource Person in Academic Staff College, G.J. University of Science & Technology, Hisar and conducted one session for participants of Refresher Course in Computer Science on the theme “*Challenges of Internet of Things (IoT)*” on May 20, 2014.
- xx) Resource Person in Academic Staff College, G.J. University of Science & Technology, Hisar and conducted one session for participants of Refresher Course in Computer Science on the theme “*Opportunities and Challenges of Future Computing Technologies*” on May 20, 2014.
- yy) **Extension Lecture** delivered on “*Employment Opportunities in IT Sector*”, Govt. College, Bhiwani on 5.3.2014
- zz) **Delivered Expert/Extension Lecture during a 7-days Workshop on “Personality Development”** organized by Career Counseling and Placement Cell of MDU at Institute of Hotel and Tourism Management (IHTM), M.D. University, Rohtak on February 20, 2014.

- aaa) Resource Person in Academic Staff College, Kurukshetra and conducted two sessions for participants of Refresher Course in Computer Science on the theme ***“Future Computing Technologies – I & II”*** on July 3, 2013.
- bbb) **Conducted multiples sessions (*on Computer Networks, Internet, Basics of Computer, MS-Office*) for School Principals, Haryana Govt Officials, Administrators and students organized by Divisional Training Centre, HIPA, Rohtak (18<sup>th</sup> December 2013 and 22<sup>nd</sup> January 2014).**
- ccc) **Delivered Expert/Extension Lecture on the theme *“21<sup>st</sup> Century Computing Technologies”* to students of G.D.C. Memorial College, Bahal on October 26, 2013.**
- ddd) Resource Person in Academic Staff College, G.J. University of Science & Technology, Hisar and conducted **two sessions** for participants of Refresher Course in Computer Science on the theme ***“Next Generation Computing: Opportunities and Challenges”*** on June 12, 2013.
- eee) Resource Person in Academic Staff College, B.P.S. Mahila Vishwavidyalaya, Khanpur Kalan, Sonapat and conducted **session** for participants of Refresher Course in IT on the theme ***“Future Computing Technologies”*** on June 7, 2013.
- fff) **Addressed audience in Intl. Conference on *“Innovations in Management & Information Technology”* (ICIMIT-2012) organized by IMT, Faridabad on 7<sup>th</sup> April, 2012.**
- ggg) **Addressed audience in IEEE sponsored 1st National Conference on *“Emerging Trends in Engineering and Technology”* (NCETET-12) organised by SBIT, Sonapat on Feb. 3, 2012 as well as chaired the Technical Session.**
- hhh) **Delivered an expert talk on *“Emerging Trends in Computing Technologies”* in National Conference on *“Emerging Trends In Computer and Information Technology”* (NCETCIT-2012) organised by GVMITM, Sonapat during MAY 11-12, 2012.**
- iii) **Delivered Keynote Address on *“Future Generation Computing Technologies”* in 2<sup>nd</sup> National Conference on *Emerging Trends In Electronics & Information Technology* organised by AITM, Palwal during April 14-15, 2012.**
- jjj) **Delivered Keynote Address on *“Next Generation Computing Technologies: Opportunities & Challenges”* in National Conference on *“Internet Computing and Communication (IC2)”* organised by TIAS, New Delhi on April 21, 2012 and**
- kkk) **Delivered an Expert Lecture *“Challenges for Future Engineers”* on Engineers’ Day (Sept 15, 2011) organized by SBIT Group of Institutions, Sonapat.**
- lll) **Delivered an Expert Lecture *“Networked Society of 21<sup>st</sup> Century: Opportunities & Challenges”* on October 20, 2012 organized by Department of Mathematics, M.D. University, Rohtak**
- mmm) **Delivered an Expert Lecture as one of Key Speakers on *“IT and Tourism: New Opportunities for Linking Cultures”* during National Seminar on *“Tourism – Linking Cultures”* organized by Institute of Hotel & Tourism Management, M. D. University, Rohtakon Sept. 27, 2011**
- nnn) **Delivered Keynote Address on *“Future Generation Computing Technologies: Opportunities & Challenges”* during National Conference on Emerging Trends in Computing Technologies (NCETCT-11) organized by World College of Technology & Management (WCTM), Gurgaon on Sept. 17, 2011.**
- ooo) **Delivered an Expert Lecture *“Challenges for Future Engineers”* on Engineers’ Day (Sept 15, 2011) organized by SBIT Group of Institutions, Sonapat.**

- ppp) **Delivered Keynote Address on “Component-based Software Testing: Issues and Challenges”** on Sept. 3, 2011 in **National Workshop on “Software Reliability and Testing”** Gautam Buddha University, Greater Noida (UP), Sept 2-3, 2011.
- qqq) **Delivered as Presidential Address in Workshop on “Application of SPSS Software in Research”**, Organized by IHTM, Maharshi Dayanand University, Rohtak, April 19-20, 2011.
- rrr) Acted as **Chairperson of Technical Session of International Conference on “Business Intelligence-An Alignment of IT & Management”**, IMT, Faridabad, April 9, 2011.
- sss) **Key Note Speaker in National Seminar organized by GITM, Gurgaon on New Generation Computing 2010 (NGC-2010) and made presentation on Convergence of Technologies: Opportunities & Challenges.**
- ttt) **Delivered Invited Talk on “Component-Based Testing” in Workshop on “Recent Trends in Software Testing”** organized by Delhi Technological University, Delhi on 17<sup>th</sup> September, 2010.
- uuu) **Delivered lectures as Resource Person in ‘Staff Development Programme (FDP) organized by Department of Computer Sciences at Baba Gulam Shah Badshah University, Rajouri during June 22-24, 2010.**
- vvv) **Resource Person in Orientation Course conducted by Academic Staff College, BPS Mahila University, Khanpur on May 4, 2010 and delivered expert lectures on Convergence of Technologies: Opportunities & Challenges for Future Generations.**
- www) **Key Note Speaker in National Seminar on Enterprise Information Systems, organized by Apeejay Institute of Management, Jalandhar and made a presentation on Enterprise Information Systems in 21<sup>st</sup> Century: Opportunities and Challenges.**
- xxx) **Extension Lecture delivered on “Cyberspace in 21<sup>st</sup> Century”, Gaur College, Rohtak.**
- yyy) **Extension Lecture delivered on “IT in 21<sup>st</sup> Century: Opportunities and Challenges”, MRDAV, Asthal Bohar (Rohtak) M.D. University, Rohtak.**
- zzz) **Extension Lecture delivered on “Role of ICT in Teaching & Learning”, C.R. College of Education, Rohtak on 12.02.2009.**
- aaaa) **Extension Lecture delivered on “IT: Opportunities & Challenges”, Vaish College, Bhiwani.**
- bbbb) **Extension Lecture delivered on “Cyberspace and Essence of Cyber Laws in 21<sup>st</sup> Century”, Institute of Management & Technology, Faridabad.**
- cccc) **Resource Person in Refresher Course in Psychology at Govt. College for Women, Rohtak and delivered Lecture on Cyberspace in 21<sup>st</sup> Century on May 12, 2008.**
- dddd) **Resource Person in Refresher Course in Computer Science at P.G. Govt. College, Jind and delivered following Two Lectures on May 13, 2008.**
  - a. *ERP in 21<sup>st</sup> Century*
  - b. *Data mining and Data warehousing*
- eeee) **Resource Person in Refresher Course in Physics at Govt. College for Women, Rohtak and delivered following Two Lectures on May 12 & 16, 2008**
  - i) *Cyberspace in 21<sup>st</sup> Century: Opportunities & Challenges*
  - ii) *Introduction to Computing and World of Internet.*

- ffff) **Resource Person in Refresher Course in Chemistry at N.R.Govt.College, Rohtak in May-June 2008.**
- gggg) **Extension Lecture** delivered on “*Information Technology in 21<sup>st</sup> Century: Opportunities and Challenges*”, Department of Mathematics, M.D.University, Rohtak on 13.2.2008
- hhhh) **Extension Lecture** delivered on “*Information Technology in 21<sup>st</sup> Century: Opportunities and Challenges*”, MRDAV, Asthal Bohar (Rohtak)M.D.University, Rohtak on 5.3.2008
- iiii) Conducted one session as a Key Speaker on 8<sup>th</sup> April 2005 at A.I.J.H.M.College, Rohtak and delivered a full presentation on “**ICT Evolution and E-Governance**”.
- jjjj) Conducted following sessions as a Resource Person in UGC Sponsored Refresher Course in Library and Information Science (29.11.2004 – 18.12.2004) organized by M.D. University Library, Rohtak:
- i. **Computer Awareness Capsule** delivered on December 3, 2004.
  - ii. **Impact of Hi-Tech in Libraries** delivered on December 6, 2004.
  - iii. **Role of Information Technology in Libraries** on December 6, 2004.
- nn) Conducted two sessions as a Resource Person in UGC Sponsored Refresher Course organised by Department of Physics, M.D. University, Rohtak on 17<sup>th</sup> and 18<sup>th</sup> August 2004 and delivered presentations on “**Role of IT in Teaching & Learning**” and “**A Tour of Information Technology**” respectively.

V) **Talks Broadcasted from All India Radio/TV Studios**

- A) TV Group Discussion show on “**Social Networking – Session 1**” organised by SVN Cable TV on 10.03.2012 in their TV Studio and is being re-broadcasted time and again in the programme “**Issue To-night**”.
- B) TV Group Discussion show on “**Social Networking – Session 2**” organised by SVN Cable TV on 11.03.2012 in their TV Studio and is being re-broadcasted time and again “**Issue To-night**”.
- C) All India Radio Talk
- i) Group Discussion on “**Human Decisions on Scientific Techniques/Machines in Sports**” in World of Sports (Khel Jagat) on Nov. 30, Dec. 1-2, 2015.
  - ii) Group Discussion on “**Employment and Career Opportunities for Youth in Computers**” in Yuv Vani in April 18, 2012.Talk: ‘**Computer Education and Employment Opportunities**’
  - iii) Talk: ‘**e-books and Its Implications**’ (DOB: 8.12.2008)
  - iv) Talk: ‘**Hanging and Crashing Problems in Computer**’(DOB: 4.5.2009)

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(Dr. Nasib Singh Gill)