

DR. NASIB SINGH GILL
Professor & Head
Department of Computer Science & Applications,
&
Director
University Computer Centre
MAHARSHI DAYANAND UNIVERSITY, ROHTAK
Haryana (India)

1. Name	::	Dr. Nasib Singh Gill
2. Father's Name	::	Late Sh. Karam Singh Gill
3. Date of Birth	:	21.03.1968 (March 21, 1968)
4. Present Designation and Positions	::	Professor & Head , Department of Computer Science & Applications, Director , University Computer Centre Director , MDU Alumni M.D. University, Rohtak-124001. Ph. +91-1262-393202, 393203
5. Home Address & Address for Correspondence		H.No.-1104, Sector-1, HUDA, Rohtak Ph. 01262-274416, 9050805136 E-mail: nasibsgill@gmail.com , nasibsingh.gill@mdurohtak.com
6. Academic Qualifications		<ul style="list-style-type: none"> · Post Doctoral Research (Computer Sc.) from Brunel University, UK · Ph.D.(Computer Sc.) · Master's Degree in Science · MBA
8. Teaching Experience		22 years
9. Research Experience		19 years
10. Research Interests		Software Metrics, Component-based Metrics, Testing, Reusability, Data Mining and Data Warehousing, NLP, AOSD, Information and Network Security
11. Books & Research Papers		Books – 2 (Independent), 4 (Joint) Papers: 146 (List enclosed) 1. Published : 142 2. Communicated/Accepted : 04 Papers Reviewed: 06
12. Ph.D.Thesis guided /Guiding		3 Completed and 5 Guiding
13. MCA Projects guided		More than 250

A) Educational Qualifications

CLASS	UNIVERSITY/ BOARD	YEAR	Division & %age/ Subjects
<i>Post Doctoral Research (Computer Sc.)</i>	Brunel University, Uxbridge, United Kingdom	2001-2002	Component-Based Development and Measurement
<i>Ph. D. (Computer Sc.)</i>	M. D. University, Rohtak (India)	March 1996	Subject : “ <i>Software Engineering</i> ” Title of Thesis : “ <i>STUDY AND DESIGN OF SOFTWARE COMPLEXITY METRICS</i> ”
<i>Post M.Sc. Dip. In Comp. Sc. & Appls</i>	Panjab University, Chandigarh	1989	FIRST, 70% Computer Science subjects
<i>Master’s Degree</i>	M. D. University, Rohtak	1988	FIRST, 70 %
<i>Bachelor of Science (B.Sc.)</i>	M. D. University, Rohtak	1986	FIRST, 70 %
<i>MBA</i>	Sikkim Manipal University	2009	FIRST, 75 %

B) Academic Achievements & Published Work

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’.

C) Administrative Experience

- 1) Worked as *Director, Directorate of Distance Education*, M. D. University, Rohtak during 2005-2007.
- 2) Worked as *Director, Public Relations*, M.D. University, Rohtak from 2007-2009.
- 3) Working as Head, Department of Computer Science & Applications, M.D. University, Rohtak since March 15, 2006.

- 4) *In-charge, Computer Network Extension and Maintenance (CNEM) Unit), M.D. University, Rohtak*
- 5) *Project Co-ordinator of Campus-wide Network Project of M.D. University, Rohtak*
- 6) Acted as University representative in the counseling for several admissions at various affiliated colleges/institutes of MDU Rohtak.
- 7) Member of several committees pertaining to numerous initiatives/reforms in the University and constituted by the Vice-Chancellor/ Registrar, M. D. University, Rohtak.
- 8) Worked as University nominee on the governing body of several colleges.
- 8) Acted as Vice-Chancellor's nominee on several selection committee for several positions.

D) Academic Experience

- 1) Acted as Subject Expert appointed by UGC on several Confidential Assignments as well as UGC Major/Minor Project evaluation
- 2) Acted as Subject Expert in several Selection Committees for the selection of faculty in Universities, Colleges and Institutions in State of Haryana and outside.
- 3) Working as Chief Secrecy Officer/Secrecy Officer in various Entrance Examinations of M. D. University, Rohtak since 1996.
- 4) Acted as Member, UMC Committee, M. D. University, Rohtak several times.
- 5) Acting as evaluator for various entrance examinations conducted by M. D. University, Rohtak, since 1992.
- 6) Played a pivotal role in Common Syllabi Framing Committee for various UG and PG Programmes of Computer Science in the State of Haryana.
- 7) Chairman & Member of U.G. and P.G. Boards of Studies in Computer Science & Applications, M. D. University, Rohtak.
- 8) Member, Faculty of Physical Sciences, M. D. University, Rohtak since long.
- 9) Subject expert for UMC (in the subject of Computer Science), M. D. University, Rohtak, since 1992.
- 10) Observer/Superintendent in Chief/ Superintendent for various entrance examinations conducted by Universities in Haryana.
- 11) Chairman/Member, Departmental Library Committee, M. D. University, Rohtak, since 1990.

Published Work

I) Books

Published Title of the book	Publisher	Year of Publication
1. Software Engineering (ISBN : 818732517-8, Pages : 622) Co.,	Khanna Book Publishing New Delhi.	2002
2. Digital Design and Computer Organisation [Jointly with co-author] (ISBN: 978-81-318-0345-5, Pages: 396)	University Science Press (An Imprint of Laxmi Publications Pvt. Ltd.)	2008
3. Essentials of Computer And Network Technology (ISBN: 81-87522-71-2, Pages: 340)	Khanna Book Publishing Co., New Delhi.	2000
4. Data Structure Handbook of 4 Lessons for PGDCSA Course of Directorate of Distance Education.	Kurukshetra University Presss, Kurukshetra	1995
5. Network Handbook of 5 Lessons for CCA Course of Directorate of Distance Education.	Kurukshetra University Presss, Kurukshetra	1998
6. Memory System Handbook for BCA Course of Directorate of Distance Education.	Kurukshetra University Presss, Kurukshetra	2000

II) RESEARCH PAPERS/ARTICLES PUBLISHED

A) International/National Journals & Books

1. Gill, N. S. and Tomar, P. (2011). "New and Innovative Process to Construct Testable Component with Systematic Approach", ACM SIGSOFT, New York, USA, Vol. 36, No. 1, pp. 1-4.
2. Gill, N. S. and Tomar, P. (2010). "Modified Development Process of Component-Based Software Engineering", ACM SIGSOFT, New York, USA, Vol. 35, No. 2, pp. 1-6. (Tagged in <http://www.mendeley.com/research-papers/tag/object+oriented+programming>)

3. Gill N.S. and Balkishan, (2010). *“A Critical Analysis of Component-Based Software Development Metrics”*, International Journal of Computer Science & Management System, Vol. 2, 2010.
4. Nasib S. Gill, Sunil Sikka (2010). *“New Complexity Model for Classes in Object Oriented System”* ACM SIGSOFT Software Engineering Notes, Volume 35 Issue 5, September 2010.
5. Nasib S. Gill, Sunil Sikka (2010). *“Selecting Object-Oriented Metrics for Classification of Faulty and Non-Faulty Classes using Machine Learning Methods”* International Journal of Object Oriented Software Engineering (IJOOSE), Vol 1, No 1 December 2010.
6. Nasib S. Gill and Balkishan, *“Dependency and Interaction Oriented Complexity Metrics of Component-Based Systems”*, ACM SIGSOFT SEN, Volume 33, Number 2, 2008, ACM Press, New York, NY, USA.
7. Gill N.S. and Grover P.S., *“Few Important Considerations For Deriving Interface Complexity Metric For Component-Based Systems”*, ACM SIGSOFT SEN, Volume 29, Number 2, Pages 4, 2004, ACM Press, New York, NY, USA.
8. Gill N.S., *“Importance of Software Component Characterization For Better Software Reusability”*, ACM SIGSOFT SEN, Volume 31, Number 1, Pages 1-3, 2006, ACM Press, New York, NY, USA.
9. Gill N.S., *“Reusability Issues in Component-based Development”*, ACM SIGSOFT SEN, Volume 28, Number 4, Pages 4, 2003, ACM Press, New York, NY, USA.
10. Gill N.S. and Grover P.S., *“Component-Based Measurement: Few Useful Guidelines”*, ACM SIGSOFT SEN, Volume 28, Number 6, Pages 4, 2003, ACM Press, New York, NY, USA.
11. Gill N.S., Grover P.S., Taneja D.R., *“A New Program Complexity Measure”*, Computer Society of India (CSI) Communication Journal, Nov 1994, pp. 39-42. (This paper has also won 'The Best Paper Award' of the Journal).
12. Gill N.S., *“Role of Information Technology in Office Automation”*, University News Journal (published by Association of Indian Universities), Vol. 35(23), June 9, 1997, pp. 6-12.
13. Gill N.S. and Dabas K.C., *“Hazards In Hi-tech Computing”*, ‘i.t’ (The complete magazine on Information Technology), April 1999, pp. 71-74.
14. Gill N.S., *“Managing Through Technology”*, Utkrisht Prabandh (MDU Research Journal of Management Studies), Vol. 6, 1998, pp. 73-83.
15. Gill N.S. and Dabas K.C., *“Challenges Before Information Society”*, University News Journal, Vol. 37, No. 12, March 22, 1999, pp. 17-23.
16. Gill N.S., *“Steps Towards Information Society”*, O D Communication (A Journal of Organisation Development Institute), August 1999, pp. 5-8. (Part-I)
17. Gill N.S., *“Component-Based Development: A New Approach to Software Engineering”*, ‘i.t’ (The complete magazine on Information Technology), August 2003, pp. 64-67.
18. Gill N.S. and Grover P.S., *“Software Size Prediction Before Coding”*, ACM SIGSOFT SEN, Volume 29, Number 5, 2004, ACM Press, New York, NY, USA, Pages 1-4.
19. Gill N.S., *“Information Technology In Higher Education: Role of IT in Office Automation”*, Selections From University News, Vol. 5, AIU New Delhi, 2000, pp. 72-87.

20. Gill N.S. and Dabas K.C., *“Changed Roles and Responsibilities of Information Professionals”*, 48th ILA Conference Volume, Jan. 2003, pp. 725-731 and Chapter 16 of the book *“Quality Management in Libraries”* by K.C. Dabas, Ess Ess Publications, New Delhi, 2008, pp. 242-249.
21. Gill N.S., *“Emerging Trends of ERP”*, University News Journal, Vol. 37, No. 3, Jan. 18, 1999, pp. 12-17.
22. Gill N.S. and Dabas K.C., *“Library Computer Network Security: Few Guidelines”*, Proceedings of International CALIBER-2003, Feb. 2003, pp. 715 (Abstract) and Chapter 13 of the book *“IT Applications for TQM and Library Marketing”* by K.C. Dabas, Ess Ess Publications, New Delhi, 2008, pp. 194-198.
23. Gill N.S., *“Steps Towards Information Society”*, O D Communication (A Journal of Organisation Development Institute), August 1999, pp. 21-25. (Part-II)
24. Gill N.S., Dabas K.C., Singh S., Dabas S., *“Automation Scenario in University Libraries: A Study of Some Selected Libraries”*, Proceedings of International CALIBER-2003, Feb. 2003, pp. 81-97 and Chapter 12 of the book *“IT Applications for TQM and Library Marketing”* by K.C. Dabas, Ess Ess Publications, New Delhi, 2008, pp. 121-134.
25. Gill N.S. and Dabas K.C., *“Information Technology In Higher Education: Challenges Before Information Society”*, Selections From University News, Vol. 5, AIU New Delhi, 2000, pp. 130-145.
26. Gill N.S., *“Evolution of the Infotech Society”*, University News, Vol. 42 No. 44, November 01-07, 2004, pp. 1-4.
27. Gill N.S. and Grover P.S., *“Composite Complexity Measures”*, Software Quality and Productivity: Theory, Practice and Training (by Mathew Lee, Ben-Zim Barta and Peter Juliff), Chapman & Hall, Hong-Kong, 1995, pp. 279-283.
28. Gill N.S., Dabas K.C., *“Perspective on Human Resource Development: An Agenda For Library And Information Staff”*, S.D. Vyas et. al (Eds): Readings in Library and Information Science: Festschrift S.P. Sood. Jaipur, 2000, pp. 99-104.
29. Gill N.S., Grover P.S., Singh R., *“Measuring Software Systems,”* published in book *‘Operations Research: Theory and Practice’*, SPANIEL Pub., New Delhi, 1994, pp. 71-93.
30. Gill N.S., *“Exploitation of IT Potentials For Automation of Offices”*, Invited Paper for a Volume of Book on Higher Education by Prof. V.T. Patil, Karnatak Univ., Dharwad.
31. Gill N.S. and Dabas K.C., *“Information Society in 21st Century”*, Excellence in Information Technology: Book published by S.D. Vyas & Others, Raj Publishing House, Jaipur, pp. 228-240.
32. Gill N.S., *“Factors Affecting Effective Software Quality Management Revisited”*, ACM SIGSOFT SEN, Volume 30, Number 2, Pages 1-4, 2005, ACM Press, New York, NY, USA.
33. Gill N.S., *“Emerging Trends of Digital Libraries”*, Chapter-5 in book *“Advances in Library and Information Science”* Volume 5 (Digital Library), Scientific Publishers (India), 2005, pp. 55-71.
34. Gill N.S., *“Bioinformatics: Opportunities and Challenges”*, EDUTRACKS Journal, Vol. 5 No. 8, April 2006, pp. 22-25.
35. Gill N.S. and Dabas K.C., *“Appropriate Technology for Qualitative and Sustainable Librarianship”*, 43rd ILA Conference Volume, Chandigarh, Nov. 97, pp. 259-271

- and Chapter 11 of the book “IT Applications for TQM and Library Marketing” by K.C. Dabas, Ess Ess Publications, New Delhi, 2008, pp. 151-165.
36. Gill N.S. and Tomar Pardeep, “*Major Challenges Faced in Computer-Based Software Reuse*”, *Journal of Computer Science*, Volume 2, No. 01, July-August 2006, pp. 53.
 37. Gill N.S. and Dabas K.C., “*TQM and Reengineering for Library Services: MDUL Style*”, IASLIC XXI All India Conference, Coimbatore, 26-29 Dec. 97 and Chapter 5 of the book “Quality Management in Libraries” by K.C. Dabas, Ess Ess Publications, New Delhi, 2008, pp. 64-78.
 38. Nasib S. Gill, “*Acquiring Quality and Productivity Through ERP Implementation*”, SOCH- Mastnath *Journal of Science & Technology*, Vol. 2, No. 4, October-December, 2007.
 39. Gill N.S. and Dabas K.C., “*Managing Quality in University Library for Sustainable Library Management*”, 43rd ILA Conference Volume, Chandigarh, Nov. 97, pp. 33-45 and Chapter 4 of the book “Quality Management in Libraries” by K.C. Dabas, Ess Ess Publications, New Delhi, 2008, pp. 47-52.
 40. Gill N.S., “*Emerging Opportunities & Challenges of Information Superhighway*”, Chapter-5 in book “Approaches to Modern Librarianship”, Sanjay Prakashan, New Delhi, pp. 115-137
 41. Gill N.S. and Dabas K.C., “*Internet for Libraries: Need of the Hour*”, Chapter 7 of the book “IT Applications for TQM and Library Marketing” by K.C. Dabas, Ess Ess Publications, New Delhi, 2008, pp. 92-108.
 42. Nasib S. Gill and Reena Hooda, “*Importance of Clustering Technique in Data Mining*”, *International Journal of Computer Science and Knowledge Engineering (IJCSKE)*, Serial Publications, Volume 1, Number 1-2, January-December 2007.
 43. Nasib S. Gill and P. Tomar, “*X Model: A New Component-Based Model*”, *MR International Journal of Engineering & Technology*, Vol. 1, No. 1 & 2, January-July 2008, Pages 1-10.
 44. Nasib S. Gill, “*Component-Based Software Engineering: A New Agenda for Software Industry*”, SOCH- Mastnath *Journal of Science & Technology*, Vol. 3, No. 4, October-December, 2008, pp.1-7.
 45. Gill N.S. and Dabas K.C., “*Accessibility of Information Through Information Systems And Services: An Agenda*”, *Proceedings of XVII National Seminar of IASLIC, 1998*, pp. 110-112 .and Chapter 6 of the book “IT Applications for TQM and Library Marketing” by K.C. Dabas, Ess Ess Publications, New Delhi, 2008, pp. 87-89.
 46. Gill N.S. and Dabas K.C., “*Empowering Library Employees With Knowledge, Skills, Dignity and Attitudes: Some Experiences, Observations and Realizations*”, 44th ILA Conference Volume, Hyderabad, 1999, pp. 512-521 and Chapter 14 of the book “Quality Management in Libraries” by K.C. Dabas, Ess Ess Publications, New Delhi, 2008, pp. 212-225.
 47. Gill N.S. and Dabas K.C., “*Interneting University Libraries: Some Reflections From Better World*”, INFLIBNET Volume of CALIBER-99, 1999, pp. 112-121 and Chapter 8 of the book “IT Applications for TQM and Library Marketing” by K.C. Dabas, Ess Ess Publications, New Delhi, 2008, pp. 109-120.
 48. Nasib S. Gill and Reena Hooda, “*Applicability of Fuzzy Logic In Clustering*”, *MR International Journal of Engineering & Technology*, Vol. 2, No. 1, January 2008.
 49. Gill N.S. and Dabas K.C., “*Impact of Information Technology on Social Development*”, *ILA Volume of XLII All India Lib. Conference, 1996*, pp. 305-322

- and Chapter 3 of the book “IT Applications for TQM and Library Marketing” by K.C. Dabas, Ess Ess Publications, New Delhi, 2008, pp. 32-50.
50. Nasib S. Gill and Reena Hooda, “*Clustering In Management*”, SANDESH – Mastnath Journal of Management, Volume 3, No. 3 & 4, 2008, pp. 12-16.
 51. Gill N.S., “*Digital Libraries: Its Emergence and Challenges*”, INFLIBNET Volume of CALIBER-98, 1998, pp. 322-329 and Chapter 14 of the book “IT Applications for TQM and Library Marketing” by K.C. Dabas, Ess Ess Publications, New Delhi, 2008, pp. 200-209.
 52. Gill N.S. and Dabas K.C., “*Intranet: Its Emergence And Usefulness*”, INFLIBNET Volume of CALIBER-99, pp. 100-111 and Chapter 9 of the book “IT Applications for TQM and Library Marketing” by K.C. Dabas, Ess Ess Publications, New Delhi, 2008, pp. 121-134.
 53. Nasib S. Gill, “*Enterprise Information Systems in 21st Century: Opportunities and Challenges*”, Invited Chapter in the Edited book by Apeejay Institute of Management, Jalandhar on *Enterprise Information Systems, 2008-09. (In Press)*.
 54. Gill N.S. and Dabas K.C., “*Understanding the Essentials of TQM For Library And Information Management in Academic Settings*”, INFLIBNET Volume of CALIBER-98, 1998, pp. 133-138 and Chapter 1 of the book “Quality Management in Libraries” by K.C. Dabas, Ess Ess Publications, New Delhi, 2008, pp. 3-8.
 55. Nasib S. Gill and Sunil Sikka, “*Defect-oriented Approach to Software Development and Suite of Defect Metrics*”, International Journal of Computer Science, System Engineering and Information Technology (IJCSSEIT), Vol.2 Issue-1 Jan.-Jul 2009.
 56. Gill N.S. and Dabas K.C., “*Knowledge Management: An Overview, Exploration and Implementation in University Libraries*”, National Library And Information Networking (NACLIN 2000), DELNET, New Delhi, pp. 18-31 and Chapter 5 of the book “IT Applications for TQM and Library Marketing” by K.C. Dabas, Ess Ess Publications, New Delhi, 2008, pp. 67-83.
 57. Gill N.S. and Dabas K.C., “*CD-ROM Networking in Libraries: Need of the Hour*”, National Library And Information Networking (NACLIN 2000), DELNET, New Delhi, pp. 117-128 and Chapter 10 of the book “IT Applications for TQM and Library Marketing” by K.C. Dabas, Ess Ess Publications, New Delhi, 2008, pp. 135-148.
 58. Nasib S. Gill and Sunil Sikka, “*Fault Proneness of Classes in Object-Oriented Systems*”, International Journal of Computer and Systems Engineering, Volume 1, Number 2, 2008, pp. 103-105.
 59. Nasib S. Gill and Balkishan, “*Effect of Dependencies on Change Impact in Component-Based System*”, ICFAI Journal of Systems Management (IJSYM), Vol. VI, No. 3, August 2008, Pages 40-49.
 60. Gill N.S. and Tomar P., “*CBS Testing Requirement and Test Cases Processes Documentation Revisited*”, ACM SIGSOFT SEN, Volume 32, Number 2, Pages 1-4, 2007, ACM Press, New York, NY, USA.
 61. Gill N.S. and Balkishan (2009), “*Component Adaptation Process and Adaptability Viewpoints*”, ACM Journal of SIGSOFT SEN, Volume 34, Issue 6, pp. 1-3.
 62. Gill N.S. and Balkishan (2009), “*Controlling Architectural Complexity of Component-Based System During Configuration Change*”, International Journal of Computer Science, System Engineering and Information Technology, Volume 2, Issue 1, pp. 37-40.

63. Gill N.S. and Balkishan (2009), "*Metrics for Reuse Process in Component-Based Systems*", *ICFAI Journal of System Management*, Volume 7, Issue 2, December 2009, pp. 7-13.
64. Nasib Singh Gill, Sunil Sikka and Balkishan (2009), "*IT Deployment in Rural Areas: Opportunities, Barriers and Remedial Solutions*", *CSMS Journal (Special Issue on IT and Rural Development) – Social and Management Solutions*", Volume 4, Issue 1 & 2, June & December 2009, pp. 1-8.
65. Gill N.S. and Hooda, R. (2009), "*Prophecy from Scrapped Data Using Nearest Neighbor Method*", *International Journal of Intelligent Information Processing (IJIIP)*, Volume 3, No. 1, Jan-June 2009, pp. 181-191.
66. Gill N.S. and Hooda, R. (2010), "*Optimizing Multi-path Decision Tree by Clustering and K-Nearest Neighbor Methods*", *IUP Journal of Computer Science*, Volume 4, No. 2, April 2010, pp. 7-14.
67. Gill Nasib.S. and Gupta Rajan (2009), "*Prevention and Detection of Financial Statement Fraud: A Data Mining Approach*", *ICFAI Journal of System Management*, Volume VII, No. 3, August 2009, pp. 55-68.
68. Kumar, A.; Tomar, P.; Gill, N. S. and Panwar, D. (2011). "*New Optimal Process for Selection of Software Components*", *IMS Manthan Journal*. (Accepted)
69. Nasib S. Gill and Reena Hooda, "*Mining the Web: Issues and Appliances*", *KAIM Journal of Management and Research (Bi-annual Journal of KAIM)*, Volume 3, No. 1, May-October 2010.
70. Nasib Singh Gill and Pardeep Tomar (2009), "*Social Challenges and Role of IT in Rural Development*", *CSMS Journal (Special Issue on IT and Rural Development) – Social and Management Solutions*", Volume 4, Issue 1 & 2, June & December 2009, pp. 1-8.
71. Nasib S. Gill, Sunil Sikka, "*Defect-oriented Approach to Software Development and Suite of Defect Metrics*", *International Journal of Computer Science, System Engineering and Information Technology (IJCSSEIT)*, Vol.2 Issue-1 pp. 31-36 Jan.-Jul 2009.
72. Panwar, D.; Tomar P.; Gill, N. S. and Kumar, A. (2011). "*New Method to Analyze the Impacts on Reliability and Reusability in Component-Based Software Development*", *IMS Manthan Journal*. (Accepted)
73. Nasib S. Gill, Sunil Sikka (2009), "*Fault Proneness of Classes in Object-Oriented Systems*", *International Journal of Computer Engineering (IJCE)*, Vol. 1, No. 2, pp. 103-105, July-December 2009.

B) Papers Published in Proceedings of International Conferences and Bulletins/Magazines/Newspapers

74. 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)
75. 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.

76. 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.
77. Gill N.S., Lycett M., deCesare Sergio, *“Measurement of Component-Based Software: Some Important Issues”*, 7th Annual UKAIS Conference Proceedings, Leeds, UK, April 2002, pp. 373-381.
78. Gill N.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.
79. Gill N.S., Tomar Pardeep, *“Component-Based Software Testing: A Roadmap (Abstract)”*, Proc. of 4th International Conference on Computer Science and Its Applications (ICCSA-2006), June 27-29, 2006, California, USA.
80. Gill N.S. and Dabas K.C., *“Data Mining: A Key To Knowledge Society”*, Volume II of Proc. of International Conference on Information Management (ICIM) In A Knowledge Society (ICIM 2005), Feb. 21-25, 2005, pp. 1059-1060.
81. Gill N.S. and Dabas K.C., *“Role of Data Mining and Warehousing For Future Libraries”*, INFLIBNET 2nd International CALIBER-2004, February 11-13, 2004.
82. Gill N.S. and Grover P.S., *“Measuring Component-Based Systems”*, National Conference on Software Engineering Principles And Practices (SEPP-04), March 5-6, 2004.
83. Gill N.S., Tomar P., Singh R., *“Wireless Communication Through WATM: Past, Present and Future”*, Proc. of International Conference on Challenges in Networking & Future of e-Commerce (CNFE-05), April 9-10, 2005; pp. 181-188.
84. 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.
85. 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.
86. 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.
87. Gill N.S., *“Computer: An Introduction”*, Haryana Science Bulletin (Hindi Magazine), October 1991, pp. 5-7.
88. Gill N.S., *“Increasing Danger of Virus”*, Haryana Science Bulletin (Hindi Magazine), August 1991, pp. 11-12.
89. Gill N.S., *“Y2K Crisis And Its Social Implications”*, HomePages News Paper, April 27, 1999.

C) *Papers Published in Proceedings of National Conferences*

90. 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.
91. Gill N.S. and Grover P.S., "*Experimental Study of Program Comprehension*", Abstract published in the proceedings of 83rd Indian Science Congress, Patiala, March 1996.
92. Gill N.S. and Grover P.S., "*Relationship Between Program Complexity and Comprehension*", Proceedings of CSI'96 Annual Convention, Bangalore, Oct. 1996.
93. Gill N.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.
94. Gill N.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.
95. Gill N.S., "*Information Technology : A Solution for Information Explosion*", National Symposium on Recent Trends in Information Technology, Coimbatore, India, Feb. 20-21, 1997 .
96. Gill N.S., "*Social Impacts of Information Technology*", proceedings of National Conference on Social Transformations, M.D. University, Rohtak, Feb. 1998.
97. Gill N.S., "*Impact of Information Technology on Society*", Invited Paper for a Volume of Book on Higher Education by Prof. V.T. Patil, Karnatak Univ., Dharwad.
98. Gill N.S., "*Emerging Trends In Computer Education*", published in Employment Bureau Bulletin, M.D. University, Rohtak, Haryana, 1994, pp. 3-7.
99. Gill N.S., "*Information Retrieval Through Internet: Some Key-Issues*", Proceedings of UGC sponsored Seminar on "*Internet For Higher Education*", Sardar Patel University, Vallabh Vidyanagar, Gujrat, March 13-14, 1999.
100. 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.
101. Gill N.S., "*Infotech Hazards Of 21st Century*", Proceedings of National Conference on Managerial Responses To Corporate Sector In The New Millennium, IMSAR, M.D.U. Rohtak, Feb. 17-18, 2000.
102. Gill N.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.
103. Gill N.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.
104. Gill N.S., Dabas K.C., Singh S., Dabas S. "*Knowledge Management and HRD Issues in Hybrid University Libraries*", Proceedings of 24th IASLIC Conference, Dec. 2003, pp. 322.
105. Gill N.S., Dabas K.C., Dabas S. "*Information Management in University Libraries in Electronic Environment*", 48th ILA Conference Volume, Jan. 2003, pp. 231-247.
106. Gill N.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)

107. Gill N.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.
108. Gill N.S. and Grover P.S., ***“Measuring Component-Based Systems”***, National Conference on Software Engineering Principles And Practices (SEPP-04), March 5-6, 2004.
109. Gill N.S., ***“Essence of Strengthening Cyber Laws In India: Need of the Hour”***, Proc. of National Conference on India in the Globalized World: Challenges and Opportunities, April 30-May 1, 2005; pp. 68-70.
110. Gill N.S., ***“Essence of Knowledge Management and Data Mining in 21st Century”***, Proc. of National Conference on Communication & Computational Techniques (NCCT-06), Feb. 2006, Dehradun.
111. Gill N.S., Tomar P., ***“Software Component Technology: An Easy Way to Enhance Software Reusability (Abstract)”***, Proc. of 94th Indian Science Congress (ISCA-2006), Annamalai University, Tamilnadu, INDIA, pp. 18-19.
112. Gill N.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.
113. Gill N.S., Tomar P., ***“Reliability & Security in Open Source Software: Review & Analysis (Abstract)”***, Proc. of 94th Indian Science Congress (ISCA-2006), Annamalai University, Tamilnadu, INDIA, pp. 21.
114. Gill N.S., Tomar P., Balkishan, ***“Cellular Mobile Communication in the Cyber World of 21st Century: Evolution or Revolution”***, Proc. of National Seminar on Network Technologies (AICTE sponsored at CITM, Faridabad), Sept. 2, 2006, pp. 40.
115. Gill N.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.
116. Gill N.S., ***“Addressing Computer Network Security Challenges”***, Proc. of National Seminar on Network Technologies (AICTE sponsored at CITM, Faridabad), Sept. 2, 2006, pp.
117. Gill N.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.
118. Gill N.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.
119. Gill N.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.
120. Gill N.S., ***“Challenges in Convergence of Intelligent Technologies in 21st 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.
121. Gill N.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.

122. Gill N.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.
123. Gill N.S., **“Information Technology in 21st Century: Opportunity & Challenges”**, Proc. of National Seminar on **“Understanding Computer”** at K.R. College of Higher Education, Delhi, March 14, 2008.
124. Navneet and Nasib Singh Gill (2011). **“Mobile Entertainment Issues”**, *Proceedings of National Conference on Emerging Trends in Mobile Technologies & Security (ETMTS-11)*, Maharshi Dayanand University, Rohtak, March 29, 2011, pp. 259-261.
125. Gill N.S., **“Cyber Security: A Big Challenge of 21st Century”**, Proc. of National Seminar on National Seminar on **“Network Security”** at DAV Institute of Management, Faridabad on April 7, 2007.
126. Kapil Juneja and 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)*, Maharshi Dayanand University, Rohtak, March 29, 2011, pp. 267-271.
127. 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)*, Maharshi Dayanand University, Rohtak, March 29, 2011, pp. 262-266.
128. 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.
129. Kapil Juneja and 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)*, Maharshi Dayanand University, Rohtak, March 29, 2011, pp. 174-176.
130. Gill N.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.
131. Gill N.S., **“Global Meltdown: Challenges & Opportunities”**, Proc. of National Seminar on **“Global Meltdown”** at IMT, Faridabad, April 10-11, 2009.
132. Kapil Juneja and 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)*, Maharshi Dayanand University, Rohtak, March 29, 2011, pp. 78-82.
133. Gill N.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.
134. Kapil Juneja and 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)*, Maharshi Dayanand University, Rohtak, March 29, 2011, pp. 174-176.
135. 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.

136. Gill N.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.
137. **Tomar, P.**, Rohit and 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.
138. Kumar, A.; **Tomar, P.**; Gill, N. S. and Panwar, D. (2010). “**New Optimal Process for Selection of Software Components**”, proceedings of 1st 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.
139. 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 1st 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.
140. **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)*, Maharshi Dayanand University, Rohtak, March 29, 2011, pp. 352-353.
141. 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.
142. **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.

D) Papers Communicated for Publication

144. Nasib S. Gill, Sunil Sikka “Correlating Dimensions of Inheritance Hierarchy with Complexity & Reuse”
143. Nasib S. Gill and Parveen Sehrawat, “**Ambiguities Caused Due to Semantics Interpretations of Sentence Components**”, submitted for publication in *Apeejay Journal of Management & Technology*.
145. Nasib S. Gill, Sunil Sikka “Inheritance Hierarchy Based Reuse & Reusability Metrics in OOSD Journal.
146. Nasib S. Gill and Hanu Bhambi, “**Survey of Design Issues and Factors Affecting Real Time Operating Systems**”, submitted for publication.

E) Papers Reviewed

1. “**An Empirical Study of Factors Impacting Size of the Object-Oriented Software Component**”, *International Journal of Information Systems and Computing*, USA.

2. “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.
3. “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.
4. “A Fuzzy Approach for Integrated Measure of Object-Oriented Software Complexity”, DIAS Technology Review (International Journal for Business and IT).
5. “Capability Maturity Model Integration in Higher Education”, Techgenesis (*The Journal of Information Technology*), Amity Institute of Information Technology, Noida.
6. “Software Reliability Models: A Historical Perspective”, Techgenesis (*The Journal of Information Technology*), Amity Institute of Information Technology, Noida.

F) Few Notable Conferences/Seminars Attended

- a) **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.
- b) **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)**
- c) **National Conclave on “Language and IT Industry – Jell Well”**, DAV Centenary College, Faridabad on Feb. 25, 2011 and delivered Keynote Address.
- d) **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”.**
- e) National Conference on “**Emerging Trends in Hospitality & Tourism**”, Organized by IHTM, Maharshi Dayanand University, Rohtak, April 09-10, 2011.
- f) Workshop on “**Recent Trends in Software Testing**” organized by Delhi Technological University, Delhi on 17th September, 2010 and delivered Invited Talk on “Component-Based Testing”.
- g) National Seminar on “*Global Meltdown*” at IMT, Faridabad, April 10-11, 2009 and presented Invited Paper “**Global Meltdown: Challenges & Opportunities**”.
- h) 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**”.
- i) 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**”.
- j) National Seminar on “e-business” at Tecnia Institute, New Delhi and made a presentation as Keynote Speaker on “**e-Business in 21st Century: Opportunities & Challenges**”.
- k) **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**.

- l) **Key Note Speaker in National Seminar on Enterprise Information Systems, organized by Apeejay Institute of Management, Jalandhar on 24.5.2008 and made a presentation on Enterprise Information Systems in 21st Century: Opportunities and Challenges.**
- m) **ICDE International Conference held at IGNOU, New Delhi in Nov. 2006.**
- n) **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".**
- o) 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*".
- p) Workshop on ICT on May 7th, 2004 at C.R. College of Education, Rohtak and presented the paper "*ICT in Education*".

G) Few Recent Resource Person/Expert Lecturers Delivered

- a) **Delivered as Presidential Address in Workshop on "Application of SPSS Software in Research", Organized by IHTM, Maharshi Dayanand University, Rohtak, April 19-20, 2011.**
- b) Acted as *Chairperson of Technical Session of International Conference on "Business Intelligence-An Alignment of IT & Management"*, IMT, Faridabad, April 9, 2011.
- c) **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.**
- d) Delivered Invited Talk on "Component-Based Testing" in Workshop on "**Recent Trends in Software Testing**" organized by Delhi Technological University, Delhi on 17th September, 2010.
- e) **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.**
- f) **Resource Person in Orientation Course conducted by Academic Staff College, BPS Mahila University, Khanpur on May 4, 2010 and delivered expert lecturers on Convergence of Technologies: Opportunities & Challenges for Future Generations.**
- g) **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 21st Century: Opportunities and Challenges.**
- h) **Extension Lecture delivered on "Cyberspace in 21st Century", Gaur College, Rohtak.**
- i) **Extension Lecture delivered on "IT in 21st Century: Opportunities and Challenges", MRDAV, Asthal Bohar (Rohtak) M.D. University, Rohtak.**
- j) **Extension Lecture delivered on "Role of ICT in Teaching & Learning", C.R. College of Education, Rohtakl on 12.02.2009.**
- k) **Extension Lecture delivered on "IT: Opportunities & Challenges", Vaish College, Bhiwani.**
- l) **Extension Lecture delivered on "Cyberspace and Essence of Cyber Laws in 21st Century", Institute of Management & Technology, Faridabad.**

- m) Resource Person in *Refresher Course in Psychology* at Govt. College for Women, Rohtak and delivered Lecture on *Cyberspace in 21st Century* on May 12, 2008.
- n) 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 21st Century*
 - b. *Data mining and Data warehousing*
- o) Resource Person in *Refresher Course in Physics* at Govt. College for Women, Rohtak and delivered following Two Lecture on May 12 & 16, 2008
- i) *Cyberspace in 21st Century: Opportunities & Challenges*
 - ii) *Introduction to Computing and World of Internet.*
- p) Resource Person in *Refresher Course in Chemistry* at N.R. Govt. College, Rohtak in May-June 2008.
- q) Extension Lecture delivered on “*Information Technology in 21st Century: Opportunities and Challenges*”, Department of Mathematics, M.D. University, Rohtak on 13.2.2008
- r) Extension Lecture delivered on “*Information Technology in 21st Century: Opportunities and Challenges*”, MRDAV, Asthal Bohar (Rohtak) M.D. University, Rohtak on 5.3.2008 s) Conducted one session as a Key Speaker on 8th April 2005 at A.I.J.H.M. College, Rohtak and delivered a full presentation on “*ICT Evolution and E-Governance*”. t) 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. r) Conducted two sessions as a Resource Person in UGC Sponsored Refresher Course organised by Department of Physics, M.D. University, Rohtak on 17th and 18th August 2004 and delivered presentations on “*Role of IT in Teaching & Learning*” and “*A Tour of Information Technology*” respectively.

H) **IGNOU Gyan Darshan TV Broadcasts**

Delivered more than 12 online Expert Lecturers in EMRC Centre (TV Studio) for all IGNOU students in India & Abroad.

I) **Few latest Talks Broadcasted from All India Radio**

- A) Discussion: Marg Darshan- Yuva Computers Aur Roojgar K Awasar (DOB: 15.02.2011)
- B) Talk: ‘Careers In Computer Sciences’ (DOB: 19.06 2010)
- C) Talk: ‘21 SADHI KE COMPUTOR CHIP’(DOB: 07 12 2010)
- D) Talk: ‘Computer Education and Employment Opportunities’
- E) Talk: ‘Hanging and Crashing Problems in Computer’(DOB: 4.5.2009)
- F) Talk: ‘e-books and Its Implications’(DOB: 8.12.2008)