

CURRICULUM VITAE

Dr. (Mrs.) Navdeep Kaur

Associate Professor and Head

Department of Computer Sci & Engg.

Sri Guru Granth Sahib World University

Fatehgarh Sahib (Punjab)

Mobile: 8872002061



Email-id : drnavdeep.sggswu@gmail.com,
drnavdeep.iitr@gmail.com

Father's Name Shri Jagtar Singh
Date of Birth February 27, 1974
Nationality Indian

Educational Qualifications

Exams. Passed	University/Board	Year of passing	% Age	Division or equivalent
Ph. D	Indian Institute of Technology Roorkee	2008	(with MHRD Scholarship)	
M.Tech	Kurukshetra University, Kurukshetra, Haryana	Dec. 1998	73.4	1 st (With Distinction)
B.E.	North Maharashtra University, Jalgaon, Maharashtra	1997	66.0	1 st (With Distinction)
10+2	Punjab School Education Board, Mohali, Punjab.	1992	61.4	1 st

Employment Record

(In chronological order, starting with Current job)

Name of address of the employer/Institution	Period of service		Designation & Department	Nature of work and level of responsibility
	From	To		
Sri Guru Granth Sahib World University, Fatehgarh Sahib, Punjab, India	7 th Aug. 2013	Till date	Associate Professor and Head, Department of CSE	Teaching, Research & Admin
Chandigarh Engineering College, Landran, Mohali, Punjab, India	1 st Sept. 2008	6 th Aug. 2013	Professor, Department of CSE Nodal Officer (Academics), TEQIP	Teaching, Research & Admin
Chandigarh Engineering College, Landran, Mohali, Punjab, India	15 th Feb. 2006	31 st Aug. 2008	Assistant Professor & Head in Computer Science & Engineering/ Information Technology	Teaching, Research & Admin
Chandigarh College of Engineering and Technology, Sector-26, Chandigarh, India	18 th May 2005	14 th Feb. 2006	Assistant Professor in Computer Science & Engineering	Teaching, Research & Admin
Lala Lajpat Rai Institute of Engineering And Technology, Moga (Punjab)	4 th Aug. 2003	17 th May 2005	Assistant Professor in Computer Science & Engineering/ Information Technology	Research & Teaching
Lala Lajpat Rai Institute of Engineering And Technology, Moga (Punjab)	3 rd Aug. 1998	4 th Aug. 2003	Lecturer in Computer Science & Engineering/ Information Technology	Teaching, Research & Admin

* From Aug. 2001 to May 2003 on study leave for Ph.D at IITR, Roorkee as Research Scholar and Teaching Assistant.

Research Papers: 91 (List enclosed)

Topic of M.Tech Dissertation: Fuzzy Logic in Communication Channel Equalization

Topic of research for Ph.D: Secure Transaction Processing in Multilevel Distributed Databases

Area of Interest: Information Security, Mobile Computing, Grid/Cloud Computing, Software Engineering

M. Phil Thesis Supervised:

Sr. No.	Registration No.	Student Name	Title/ Broad Problem Area	Year Of Degree Awarded
1.	07- DE-51146	Ms. Aman Dheer	Human Reliability Growth Models: A Case Study of Pharmacy Industry	2009
2.	066061155	Ms. Veena Beniwal	Selection and Adaptation of Resources in Grid Environment	2008
3.	4310600358	Ms. Yaspreet Kaur	Resources Management in Grid Computing	2008
4.	2006UCDLM-CS7144	Ms. Sheela	Study of Biometric Authentication Techniques	2007

Ph.D Thesis Supervised/ Supervising (List of current Ph.D Students):

Sr. No.	Registration No.	Student Name	Title/ Broad Problem Area	Remarks
1.	141901	Mr. Baljit Singh	Network Security	Started w.e.f. year Aug. 2014
2.	141902	Ms. Navpreet Kaur	Computer Networks	Started w.e.f. year Aug. 2014
3.	141903	Ms. Ramneet Kaur	Network Security	Started w.e.f. year Aug. 2014
4.	141904	Ms. Simarjeet Kaur	Wireless Networks	Started w.e.f. year Aug. 2014
5.	1003011	Ms. Sumeet Kaur Sheera	Software Engg.	Started w.e.f. year 2010
6.	1003005	Mr. Manish Mahajan	Digital Image Processing / Steganography	Started w.e.f. year 2010
7.	1014005	Deepa Nehra	A Cluster Based Global Defense against Distributed Denial of Service (DDoS) Attacks in MANETS	Started w.e.f. year 2010

Membership of Professional Bodies and Others

1. **Life Member** – Indian Society of Technical Education (ISTE) with LM 28543
2. **Member** – Computer Society of India (CSI) Member No. – NO14988
3. **Member** – International Association of Engineers (IAENG) Member No: 63769

4. **Member**, Board of Studies, Punjab Technical university, Jalandhar (Punjab)
(Year 2000-2003)
5. **Member**, Board of Studies, Department of Computer Science & Engg. , Guru Kashi
University, Talwandi Sabo, Bhathinda (Pb).
6. **Member**, Academic Council, Sri Guru Granth Sahib World University Fatehgarh
Sahib (Punjab)

Training Courses, Teaching-Learning-Evaluation Technology Programmes, and Faculty Development Programmes attended:

Sr. No.	Programme	Duration	Organised by
1.	Short Term Program on E-Commerce	27 th June -1 st July, 2005 (One Week)	NITTTR, CHD.
2.	Winter School on LINUX & Applications	9 th March-20 th March, 2009 (2 Weeks)	NITTTR, CHD.
3.	Workshop On Emerging Technologies In Open Source Web Platform	22 nd October, 2010	CSI & CEC, Landran
4.	Faculty Enablement Program on Soft Skills (Under Infosys Campus Connect)	21 th May -25 th May, 2012	Infosys & CEC Landran, Mohali
5.	Workshop on Information Search through e-Resources (WISER)	8 th June, 2012	Central Library CGC, Landran, Mohali
6.	Faculty Development Programme on Digital Image Processing	11 th June-15 th June, 2012	PTU & CEC Landran, Mohali
7.	Training Workshop on TEQIP Academic Activities and MIS	30 th May-31 st May, 2013	GNDU, Amritsar
8.	2-Days Hands on National Seminar on Cloud Computing(AICTE Sponsored)	3 rd June-4 th June ,2013	CEC, Landran
9.	2 Days Workshop on VOIP Communication under TEQIP-II	5 th June-6 th June, 2013	CEC, Landran

Grant Received To Organized Conference/ Symposium/Workshop/Seminar:

1. Received grant of Rs. 50,000/- from AICTE, as a coordinator to organize National seminar on “Mobile Communication Technology for Development” April 2012.

(Dr. Navdeep Kaur)

List of Publications

Book Chapters (International Level)

1. Karanbir Nehra and Navdeep Kaur “A Comparative Analysis of Various Deployment Based DDoS Defense Schemes” Quality, Reliability, Security and Robustness in Heterogeneous Networks, Springer Berlin Heidelberg, ISBN: 978-3-642-37948-2, 2013, pp. 606-616.
2. Manish Mahajan and Navdeep Kaur “Let’s Play With Images & Private Data Using Stick of Randomness” Global Trends in Information Systems and Software Applications, Springer Berlin Heidelberg ISBN: 978-3-642-29215-6, 2012, pp. 619-628.
3. Navdeep Kaur, Rajwinder Singh, Manoj Misra and A. K. Sarje “Secure Transaction Management Protocols for MLS/DDBMS”, Information Security, Springer Berlin/Heidelberg, ISSN: 0302-9743 (Print) 1611-3349 (Online), ISBN: 978-3-540-77085-5, 2007, pp. 219-233.
4. Navdeep Kaur, Rajwinder Singh, Manoj Misra and A. K. Sarje “Fairness Strategy for Multilevel Concurrency Control Protocol”, Information Security, Springer Berlin/Heidelberg, ISBN: 978-3-540-68962-1, 2006, pp. 71-85.
5. Rajwinder Singh, Navdeep Kaur and A. K. Sarje “Secure Itineraries Framework for Mobile Agent Systems”, Information Security, Springer Berlin/Heidelberg, ISBN: 978-3-540-68962-1, 2006, pp. 361-364.

International /National Journal

1. Manish Mahajan and Navdeep Kaur “Wavelet Domain Based Saliency Map Computation and Evaluation Using Novel Quadrant Based Approach” International Journal of Advanced Research in Computer Science and Software Engineering, Volume 4, Issue 4, April 2014, ISSN: 2277 128X, pp. 735-742.
2. Kaushik B., Kaur N., Kohli A. K., (2012), “Achieving Maximum Reliability in Fault Tolerant Network Design for Variable Networks” International Journal of Applied Soft Computing (2.084) (SCI), Elsevier, Volume 13 Issue 7, July, 2013, Pages 3211-3224.
3. Manish Mahajan and Navdeep Kaur “Steganography in Colored Images Using Wavelet Domain Based Saliency Map” International Journal of Information and Computer Security, Inderscience, Feb, 2013. (in Press).

4. Kaushik B., Kaur N., Kohli A. K., “Improved Neural Approach in Maximizing Reliability for Increasing Networks” International Journal of Computational Sciences and Engineering (1.489) (Scopus), Inderscience, Jan 2013 (in Press).
5. Ranu Dixit and Navdeep Kaur “Speech Recognition Using Stochastic Approach: A Review” International Journal of Innovative Research in Science, Engineering and Technology, ISSN : 2319-8753, Vol. 2, No. 2, Feb., 2013, pp.356-361.
6. Ranu Dixit and Navdeep Kaur “ Real Time Information System Based On Speech Processing: Radio Station as Virtual Eye for the Blind” International Journal of Innovative Research in Science, Engineering and Technology, ISSN : 2319-8753, Vol. 2, No. 2, Feb., 2013, pp.362-371.
7. Baijnath Kaushik, Navdeep Kaur and Amit Kumar Kohli, “Improved Approach for Maximizing Reliability in Fault Tolerant Networks” Journal of Advanced Computational Intelligence and Intelligent Informatics, ISSN : 1343-0130 (Print) / 1883-8014(Online), Vol.17, No.1, Jan 2013, pp. 27-41.
8. Manish Mahajan and Navdeep Kaur, “An Improved Technique to Compute Visual Attention Map based upon Wavelet Domain” International Journal of Computer Applications (IJCA), ISSN:0975 – 8887, Vol. 60, No.12, December 2012, pp. 36-42.
9. Manish Mahajan and Navdeep Kaur, “Adaptive Steganography: A survey of Recent Statistical Aware Steganography Techniques” International Journal of Computer Network and Information Security, Vol.10, Sept. 2012, pp. 76-92.
10. Manish Mahajan and Navdeep Kaur, “Steganography in RGB Images with Improved Intensity Equalization of Pixels”, Journal of Information and Operations Management, ISSN: 0976–7754 & E-ISSN: 0976–7762, Vol. 3, No. 1, 2012, pp. 265–269, (Impact Factor: 4.72).
11. Sumeet Kaur Sehra, Yadwinder Singh Brar and Navdeep Kaur, “Multi Criteria Decision Making Approach for Selecting Effort Estimation Model” International Journal of Computer Applications, Vol. 39, No. 1, pp. 10-17, February 2012. Published by Foundation of Computer Science, New York, USA. (Impact Factor: 0.835).
12. Baijnath Kaushik, Navdeep Kaur and Amit Kumar Kohli, “An Enhanced ANN Approach for Optimizing Design of Highly Reliable Variable Sized Computer Networks” Journal of Artificial Intelligence, ISSN: 2229–3965 & ISSN: 2229–3973, Vol. 2, No.1, 2011, pp-31-41, (Impact Factor: 4.89).
13. Sumeet Kaur Sehra, Yadwinder Singh Brar, and Navdeep Kaur, “Soft Computing Techniques for Software Project Effort Estimation” International Journal of Advanced Computer and Mathematical Sciences, ISSN 2230-9624. Vol. 2, Issue 3, 2011, pp 160-167. (Impact Factor: 2.95).

14. Bajjnath Kaushik, Navdeep Kaur and Amit Kumar Kohli , “A New Method for Measuring Overall Reliability and Performance in Growing Computer Networks with Static and Variable Connections”, International Journal Of Computer Technology & Applications, Vol. 2, No.1, pp. 1-14, ISSN: 2229 - 6964 (online :2229-6093) , 2011.
15. Bajjnath Kaushik, Navdeep Kaur and Amit Kumar Kohli “A New ANN Method for Measuring Overall Reliability and Performance in Growing Computer Networks with Static and Variable Connections” International Journal of Computer Science and Communication, Vol. 2, No.1, pp. 79-87, ISSN: 0973-7391, 2011.
16. Bajjnath Kaushik, Navdeep Kaur and Amit Kumar Kohli, “An Optimized ANN Design for Measuring Overall Reliability for Growing Computer Networks with Fixed and Varying links” International Journal of Computational Engineering and Management (IJCEM), Vol. 11, pp. 12-21, ISSN:2230-7893 (Online), January 2011.
17. Vijay Laxmi, Jyoti Bansal and Navdeep Kaur, “A Survey on Various Scheduling Algorithms for Grid Computing” International Journal of Engineering and Information Technology, Vol. 2, No. 3, pp. 179-184, ISSN: 0975-5292 (Print), 0976-0253 (Online), 2010.
18. Jyoti Bansal, Vijay Laxmi and Navdeep Kaur, “Construction & Maintenance of Volunteer Groups in Desktop Grid Environment” published in Journal of Advance Research in Computer Engineering: An International Journal, Vol. 3 No. 1, pp. 23-30, Global Research Publications, ISSN: 0974-4320, January-June 2009.
19. Vijay Laxmi, Jyoti Arora, and Navdeep Kaur “The WorkQueue with Replication - Fault Tolerant Scheduler with Timeout (WQR-FTT) For Bag-Of-Tasks Grid Applications” published in International Journal of Intelligent Information Processing, Vol. 3, No. 1, pp. 91-97, Serials Publications, ISSN: 0973-3892, January-June 2009.
20. Navdeep Kaur, Rajwinder Singh, Manoj Misra and A. K. Sarje “Concurrency Control for Multilevel Secure Database Systems” International Journal of Network Security, ISSN: 1816-353X (Print), 1816-3548 (Online) 2009, Vol. 9, No.1, pp. 70-81.
21. Navdeep Kaur, Rajwinder Singh, Manoj Misra and A. K. Sarje “Secure Transaction Processing in MLS/DDBMS”, International Journal on Information Processing, Vol. 2, Number 3, pp. 63-76, ISSN: 0973 – 8215, 2008.
22. Rajwinder Singh, Navdeep Kaur and A. K. Sarje “Designing Secure Itineraries Protocols for Mobile Agents”, International Journal of Computer Science and Network Security, Vol. 6, No. 12, pp. 171-179, Impact Factor: 1.142, ISSN: 1738-7906, December 2006.

23. J. Singh and Navdeep Kaur “Computer Aided Soft Electronic – Application of VHDL”, IETE Tech. Rev., 1999, ISSN: 0256-460233 (Impact factor -0.108).
24. J. Singh and Navdeep Kaur “Electronics in Transient Surge and Noise Suppression”, Communications in Instrumentation, Vol. 6, No. 4, October-December 1999, pp.237-264.
25. J. Singh and Navdeep Kaur, “Electronics for Surge protection and Noise Suppression”, IETE Tech. Rev., 1999, ISSN: 0256-460233 (Impact factor -0.108).
26. J. Singh and Navdeep Kaur “Measurement of Dielectric Parameters of Gallstones at Radiofrequency”, Indian Journal of Pure & Applied Physics, Vol. 36, November 1998, pp. 637-638, ISSN: 0019-5596, (Impact factor - 0.228).

International Conferences

1. Sehra S.K., Kaur J., Kaur N. Brar Y. , “Analysis of Data Mining Techniques for Software Effort Estimation, in Proc. 14th International Conference on Information Technology - New Generations (ITNG 2014), held at Las Vegas, Nevada, U.S.A. from 7th-9th April, 2014, pp. 633-638.
2. Sumeet Kaur Sehra, Harpreet Kaur and Navdeep Kaur “Effect of Decomposition of Classes on Software Architecture Stability” in Proc. of 5th International Conference on Recent Trends in Information, Telecommunication and Computing, ITC 2014, Chandigarh on 22-23th March 2014 ISBN:978-94-91587-21-3, (IEEE Xplore), , pp.425-433.
3. Manish Mahajan and Navdeep Kaur, “Secret Communication in RGB Images using Wavelet Domain based Saliency Map as Model” in Proc. of 5th International Conference on Recent Trends in Information, Telecommunication and Computing, ITC 2014, Chandigarh on 22-23th March 2014, ISBN:978-94-91587-21-3, (IEEE Xplore), pp.439-449.
4. A. Khurana, Rama Krishna Challa and N. Kaur “Searching over the Encrypted Cloud Data” in Proc. of 2nd International Conference on Communication and Electronics, ICCE-2013, 28th-29th November,2013, Ghaziabad, U.P, India ISSN No: 2320-8996, , pp. 223-227.
5. Karanbir Nehra and Navdeep Kaur “A Comparative Analysis of Various Deployments Based DDoS Defense Schemes” in Proc. of 9th International Conference on Heterogeneous Networking for Quality, Reliability, Security and Robustness, January 11–12, 2013, Greater Noida, India, pp. 606-616.
6. Manish Mahajan and Navdeep Kaur, “Stenography in RGB Images with Improved Intensity Equalization of Pixels” in Proc. of International Conference on Recent Advances in IT and IT Management (RAITM’12), 28-29 Feb. 2012, pp. 21-27.
7. Manish Mahajan and Navdeep Kaur, “Let’s Play with Images & Private Data Using Stick of Randomness” in Proc. Of 4th International Conference, ObCom 2011 Vellore, TN,

India, December 9-11, 2011, Print ISBN:978-3-642-29215-6, Online ISBN: 978-3-642-29216, Springer Berlin Heidelberg, pp. 619-628.

8. Bajjnath Kaushik, Navdeep Kaur, Amit Kumar Kohli, "A Computational Study on the Design of Overall Reliability Measures of Optimized ANN for Computer Networks with fixed and varying link reliabilities", IEEE International conference on Computational Intelligence and Computing Research, 28th & 29th December, 2010, pp. 1-6, ISBN: 978-1-4244-5966-7 (Print).
9. Navdeep Kaur, Amit Kholi and Bajjnath Kaushik "Optimized Method for Network Reliability Calculation Using Artificial Neural Network" International Conference on Recent trends in Computing and Communications, Chennai, India, 18th & 19th December, 2009.
10. Rajwinder Singh, Navdeep Kaur, A. K. Sarje and Ramndeeep Kaur, "Fault Tolerance Mechanism In Secure Mobile Agent Platform System" IEEE International Advance Computing Conference, Patiala, Punjab, March 6-7, 2009, pp. 218-222, ISBN: 978-1-4244-2927-1.
11. Navdeep Kaur, Rajwinder Singh and H. S. Saini, "Design and Analysis of Secure Scheduler for MLS Distributed Database Systems" IEEE International Advance Computing Conference, Patiala, Punjab, March 6-7, 2009, pp. 1400-1404, ISBN: 978-1-4244-2927-1.
12. Rajwinder Singh, Navdeep Kaur and A. K. Sarje "Evaluation of Mobile Agent Platform in Wireless Environment" in Proceeding of International Conference on Wireless Networks & Embedded Systems (WCCON-2008), Rajpura, Punjab, October 2008, pp. 148-153.
13. Navdeep Kaur, Rajwinder Singh, Manoj Misra and A. K. Sarje "Secure Transaction Management Protocols for MLS/DDBMS" in Proceeding of *3rd International Conference on Information Systems Security (ICISS 2007)*, 16-20, December 2007, ISBN 978-3-540-77085-5, pp.219-233.
14. Navdeep Kaur, Rajwinder Singh, Manoj Misra and A. K. Sarje "A Feedback Based Secure Concurrency Control for MLS Distributed Database", in Proceeding of *International Conference on Computational Intelligence and Multimedia Applications (ICCIMA07)*, Sivakasi, India, 13-15 December 2007, Vol.3, pp.8-12, ISBN: 0-7695-3050-8.
15. Rajwinder Singh, Navdeep Kaur and A. K. Sarje "Optimizing Migration Strategies for Mobile Agent Platform System", in Proceeding of *International Conference on Advances in Computer Vision and Information Technology (ACVIT-07)*, 28-30 November 2007, Aurangabad (MS) India, ISBN: 978-81-89866-74-7, pp. 14-22.
16. Navdeep Kaur, Rajwinder Singh and A. K. Sarje "Role of Data Warehouse in Business Information", in Proceeding of *International Management Conference in Convergence and Competition*, March 2007, Ludhiana (India), pp. 47-55.

17. Rajwinder Singh, Navdeep Kaur and A. K. Sarje “A New Approach Based on Mobile Agents to Network Monitoring”, in Proceeding of *International Conference on Global Trends in IT*, March 2007, Ludhiana (India), pp.32-39.
18. Navdeep Kaur, Rajwinder Singh, Manoj Misra and A. K. Sarje “Multiversion Secure Concurrency Control Protocol”, in Proceeding of *International Conference on Advanced Computing and Communication (ICACC2007)*, February 2007, Maduri, TN, India, pp. 27-29.
19. Rajwinder Singh, Navdeep Kaur and A. K. Sarje “Design and Development of Security Policies for Mobile Agent Platform System”, in Proceeding of *IEEE International Conference on Advanced Computing and Communication (ICACC2007)*, February 2007, Maduri, TN, India, ISBN: 81-8371-066-2, pp. 65-70.
20. Rajwinder Singh, Navdeep Kaur and A. K. Sarje “A Design of Efficient Migration Strategies in Secure Mobile Agent Platform System”, in Proceeding of *International Conference on Computer and Information Technology*, December 2006, Bangladesh.
21. Navdeep Kaur, Rajwinder Singh and A. K. Sarje “A Secure Concurrency Control for MLS/DBMSs”, in Proceeding *1st IEEE International Conference on Digital Information Management (ICDIM)*, December 2006, Bangalore, India, pp. 41-46, ISBN: 1-4244-0682-X.
22. Navdeep Kaur, Rajwinder Singh and A. K. Sarje “Secure Itineraries Framework for Mobile Agent Systems”, in Proceeding of *2nd International Conference on Information Systems Security (ICISS 2006)*, December 19-21, 2006, Kolkatta, India, pp. 361-364, ISBN: 978-3-540-68962-1.
23. Navdeep Kaur, Rajwinder Singh, Manoj Misra and A. K. Sarje “Fairness Strategy for Multilevel Concurrency Control Protocol”, in Proceeding of *2nd International Conference on Information Systems Security (ICISS 2006)*, December 19-21, 2006, Kolkatta, India, pp. 71-85, ISBN: 978-3-540-68962-1.
24. Rajwinder Singh, Navdeep Kaur and A. K. Sarje “Protocols for Securing Itineraries of Mobile Agent System”, in Proceeding *International Conference on Computational Intelligence and Security (CIS)*, China, November 3-6, 2006, ISBN 978-3-540-74376-7.
25. Rajwinder Singh, Navdeep Kaur and A. K. Sarje “Design of Secure and Fault Tolerant Mobile Agent Systems”, in Proceeding *6th Information Security Conference*, Johannesburg, South Africa, July 2006.
26. Rajwinder Singh, Navdeep Kaur and A. K. Sarje “Secure E-Commerce Transactions with Mobile Agent over Internet”, in Proceeding of *International Conference on E-Security*, (ICON e-security) Organized by Computer Society of India (CSI), Visakhapatnam, India, 25th-26th February, 2006.
27. Navdeep Kaur, Rajwinder Singh, Manoj Misra and A. K. Sarje “A Secure Scheduler for MLS Distributed Database System”, in Proceeding of *Thirteenth International Conference*

on Advanced Computing & Communications (ADCOM 2005), pp. 218-222, Amrita University, Coimbatore, India, 14-17 December 2005, ISBN: 81 - 8424 - 109 – 7.

28. Rajwinder Singh, Navdeep Kaur and A. K. Sarje “A Mobile Agent Based Secure Computer Network Management”, in Proceeding *International conference on computer application in Electrical Engineering Recent Advances*, September/October 2005, Roorkee, India, pp 609-613.
29. Navdeep Kaur, Rajwinder Singh, Manoj Misra and A. K. Sarje “Admission Control Strategies for Secure Concurrency Control in Multilevel Secure Distributed Database”, 9th *East-European Conference on Advances in Databases and Information Systems*, Tallinn, ESTONIA, September 2005, ISBN 3-540-28585-7.
30. Rajwinder Singh, Navdeep Kaur and A. K. Sarje “Security Scheme for Mobile Agent System in E-Commerce Scenario”, in processing of 5th *Information Security Conference*, Johannesburg, South Africa, June/July 2005.
31. Navdeep Kaur, Rajwinder Singh and Hardeep Kaur Sidhu, “Secure Concurrency Control Algorithm for Multilevel Secure Distributed Database System”, in Proceedings of the *Seventh International Conference on Enterprise Information Systems (ICEIS 2005)*, Miami, USA, May 2005, pp. 267-272, ISBN: 972-865-19-8.
32. Navdeep Kaur, Rajwinder Singh, Manoj Misra and A. K. Sarje “Performance Evaluation of Secure Concurrency Control Algorithm for Multilevel Secure Distributed Database Systems”, in Proceeding of the *International Conference on Information Technology: Coding and Computing IEEE (ITCC'05)*, Las Vegas, Nevada, USA, April 2005, pp. 249-254, ISBN: 0-7695-2315-3.
33. Navdeep Kaur, A. K. Sarje and Manoj Misra “Performance Evaluation of Concurrency Control Algorithm for Multilevel Secure Distributed Databases”, *IEEE SCONEST*, Karachi, Pakistan, 14-17 December 2004. pp. 116-121, ISBN: 0-7803-871-2.
34. J. Singh and Navdeep Kaur “Optimization Technique In Human Gall Bladder Health Care System”, in *Proceeding of IEEE International Conference On system, Man, Cybernetics*, Beijing, China, October 1996, Vol. 4, pp. 2855 – 2857 , ISBN: 0-7803-3280-6.

National Conferences:

1. Sehra, S. K., Kohli , R., Kaur N., “ Software Quality Models- A Perspective”, National Conference on Emerging Horizons in Science & Technology, Sri Guru Granth Sahib World University, Fatehgarh Sahib , on 17th-18th January, 2014.
- 2.
3. Navdeep Kaur, Amit Kumar Kohli, Baijnath Kaushik, “Optimized Method for Network Reliability Calculation Using Artificial Neural Network” in TECNOVATE 2009–2010: Doctoral student research contest & available on <http://www.siliconindia.com/tecnovate/tecnovateabstract/J5PEfHt9.pdf>

4. Rajwinder Singh, Navdeep Kaur and Ramandeep Kaur, "Impact of windows firewall in Local Area Network", *3rd National conference on Recent advances and future trends in IT (RAFIT 2009)*, pp. 54-58, April 2009.
5. Navdeep Kaur, Rajwinder Singh and Ramandeep Kaur "WAP- When to Use and When to Not" *2nd National conference on wireless and optical communication, WOC-2008*, Chandigarh, December 2008.
6. Navdeep Kaur, Rajwinder Singh and Gurnitika Kaur "A Two-Tier Protection Approach for Mobile Agents", *in the National Conference on the theme "Advancements in Computer Engineering (ACE-08)"* Fatehgarh Sahib, April 08, pp. 19-25.
7. Navdeep Kaur, Rajwinder Singh and Poonam Sihag "Policies & Issues of Security in Mobile Agent Systems" *National Conference on Trends in Mechanical Engineering (TIME 2008)*, Mohali, February 2008, pp.313-319.
8. Navdeep Kaur, Rajwinder Singh and Ramandeep Kaur "Addressing Security Issues for Mobile Devices", *National Conference on Trends in Mechanical Engineering (TIME 2008)*, Mohali, February 2008, pp.302-308.
9. Navdeep Kaur, Rajwinder Singh and Jaswinder Singh "An Analysis of Memory Management in C++ and Java", *National Conference on Trends in Mechanical Engineering (TIME 2008)*, Mohali, February 2008, pp. 298-301.
10. Navdeep Kaur, Rajwinder Singh and Gurnitika Kaur, "A Reliable & Secure Communication Architecture for Mobile Agents" *National Conference on Trends in Mechanical Engineering (TIME 2008)*, Mohali, February 2008, pp.278-284.
11. Navdeep Kaur, Rajwinder Singh, and Jaswinder Singh "The Uniqueness of Data Grid over Other Data-Intensive Paradigms", *AICTE Sponsored National Seminar on Enterprise Information Systems*, Jalandhar, 2008.
12. Jaswinder Singh, Rajwinder Singh and Navdeep Kaur "Wireless Network Security" *2nd National conference on Information and Emerging Technology*, IET Bhaddal, September 2007, pp. 409-418.
13. Navdeep Kaur, Rajwinder Singh and A. K. Sarje "A Survey And Evaluation Of Intrusion Detection System", *Second National Conference on emerging Trends in Information Technology*, September 2007, Bhaddal, Punjab.
14. Navdeep Kaur, Rajwinder Singh and Gurnitika Kaur "Wearable Computing - A Review", *National conference on Information Technology: Present Practices and Challenges*, August 2007, New Delhi.

15. Navdeep Kaur, Rajwinder Singh and A. K. Sarje “Secure Communication Architecture for Mobile Agent Platform System”, *IT Cognizance (ITC - 2007)*, May 2007 CIIS, Jalvehra, Punjab.
16. Navdeep Kaur, Rajwinder Singh and A. K. Sarje “Mobile Agent Based Information Retrieval System”, *IT Cognizance (ITC-2007)*, May 2007 CIIS, Jalvehra, Punjab.
17. Navdeep Kaur, Rajwinder Singh, and Jaswinder Singh “Supporting Security Requirements in Real-Time Electronic-Commerce System”, *National Conference on Trends in Computing (NCTC-2007)*, Banuar, Punjab, May 2007, pp. 262-267.
18. Navdeep Kaur, Rajwinder Singh and A. K. Sarje “Security Threats of Mobile Computing – A Distributed Health Care Information System”, *National Conference on Trends in Computing (NCTC-2007)*, Banuar, Punjab, May 2007, pp. 247-251.
19. Navdeep Kaur, Rajwinder Singh and A. K. Sarje “A Study On The Problem Of Security In Mobile Agent Systems”, *National Conference on Emerging Trends in Communication and Information Technology (ETCIT)*, February 2007, Punjab.
20. Rajwinder Singh, Navdeep Kaur and A. K. Sarje “MABIRS – Mobile Agent Based Information Retrieval System”, *EPPCSIT 2006: Emerging Principles and Practices of Computer Science and Information Technology*, August 2006, pp. 49-494, Ludhiana, Punjab.
21. Rajwinder Singh , Navdeep Kaur and A. K. Sarje “A Prototype Framework for Parallel Processing using Mobile Agents”, *Second National Conference on Electronic Circuits & Communication Systems (ECCS-2006)*, February 2006, Patiala, Punjab.
22. Navdeep Kaur, Rajwinder Singh and A. K. Sarje “Mobile Agent: A Suitable Support Paradigm For Mobile Computing Environments”, *National Conference on “Emerging Trends in Wireless Technology”*, April 2005, Punjab.
23. Navdeep Kaur, Rajwinder Singh and A. K. Sarje “Addressing Security Threats and Security Requirement for Mobile agent based e-commerce system”, *AICTE Sponsored National Conference on Current Advance in Information Protection and Security*, Jodhpur, February 2005.
24. Navdeep Kaur, Manoj Misra and A. K. Sarje “Concurrency Control Algorithm For Multilevel Secure Distributed Databases”, *AICTE Sponsored National Conference on Current Advance in Information Protection and Security*, Jodhpur, February 2005, pp.51-59.

25. Navdeep Kaur and Rajwinder Singh “Distributed Database – Issues and Challenges”, *National conference on Recent Trends in Information Technology*, Punjab, 2004.
26. Navdeep Kaur, Rajwinder Singh and Robin Bajaj, “Information Security – Need and Policy”, *All India Seminar on Challenges Ahead with Information Technology (CAIT- 2002)*, January 2002, Longowal, Punjab.