

List of published Research Papers (Dr. Navdeep Kaur)

(i) Paper published in SCI/ESCI Indexed Journals

Sr. No.	Name of Authors	Title of the paper	Name of Journal	Vol., No., page No. and Year of Publication
1.	Sumeet Kaur Sehra, Y. Singh Brar, Navdeep Kaur and Sukhjot Singh Sehra	Software Effort Estimation using FAHP and weighted kernel LSSVM machine	Soft Computing, Springer - Verlag, Germany, ISSN: 1432-7643 E-ISSN: 1433-7479	Vol.23, No. 250, pp. 1–20, Dec.2018
2.	Sumeet Kaur Sehra, Yadwinder Singh Brar, Navdeep Kaur and Sukhjot Singh Sehra	Research patterns and trends in software effort estimation	Information and Software Technology, Elsevier, ISSN: 0950-5849 E-ISSN: 1873-6025	Vol. 91, pp. 1–21, November 2017
3.	Sonam Khera Neelam Turk and Navdeep Kaur	Enhancing Network Coverage using Handoff Techniques in Mobile Wireless Sensor Networks	International Journal of Future Generation Communication and Networking, ISSN : 2233-7857 E-ISSN: 2207-9645	Vol. 10, No. 10, pp. 23-32, 2017
4.	Sumeet Kaur Sehra, Yadwinder Singh Brar and Navdeep Kaur	Applications of multi-criteria decision making in software engineering	International Journal of Advanced Computer Science and Applications, England ISSN: 2158-107X	Vol. 7, No.7, pp.472–477, July 2016
5.	Baijnath Kaushik, Navdeep Kaur and Amit Kumar Kohli	Improved neural approach in maximizing reliability for increasing networks	International Journal of Computational Science and Engineering ISSN: 1742-7185	Vol. 11, No. 2, 2015
6.	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, Japan, ISSN: 1343-0130	Vol.17, No.1, pp. 27-41, January 2013 Impact Factor: 1.78
7.	Baijnath Kaushik, Navdeep Kaur and Amit Kumar Kohli	Achieving Maximum Reliability in Fault Tolerant Network Design for Variable Networks	Applied Soft Computing, Elsevier, Netherlands, ISSN: 1568-4946 E-ISSN: 1872-9681	Vol. 13, No.7 pp. 3211–3224, 2013

(ii) Paper published in Scopus Indexed/UGC/AICTE approved journals, excluding Sl. No.1 above

Sr. No.	Name of Authors	Title of the paper	Name of Journal	Vol., Issue and Year of Publication
1.	Simarjeet Kaur, Navdeep Kaur, and Kamaljit Singh Bhatia	An Extended Mechanism to prevent Distributed Denial of Service Attack in DV-Hop Localization Algorithm in Wireless Sensor Networks	International Journal of Internet Protocol Technology, E-ISSN:1743-8217 InderScience.	Accepted for Publication
2.	Vinay Bhardwaj and Navdeep Kaur	Optimized Route Discovery and Node Registration for FANET	Lecture Notes in Electrical Engineering Springer Series: Evolving Technologies for	Accepted for Publication

			Computing, Communication and Smart World	
3.	Vandana and Navdeep Kaur	Fingerprint and Face based secure Biometric Authentication system using Optimized Robust Features	Lecture Notes in Electrical Engineering Springer Series: Evolving Technologies for Computing, Communication and Smart World	Accepted for Publication
4.	Sonam Khera, Neelam Turk and Navdeep Kaur	A practical approach to energy consumption in wireless sensor networks	International Journal of Advanced Intelligence Paradigms, E-ISSN: 1755-0394	Vol. 16, No. 2, pp. 190-202, 2020
5.	Ramneet Kaur, Navdeep Kaur and Satwinder Singh	Enhanced routing protocol for VANETs	International Journal of Innovative Technology and Exploring Engineering, ISSN: 2278-3075	Vol.8, No. 9S, pp.555-560, July 2019
6.	Baljit Singh Saini, Navdeep Kaur and Cherry khosla	A Brief Review on Keystroke-Based User Identification System	Think India Journal (UGC)	Vol. 22, No. 16, pp. 2230-2239, 2019
7.	Vandana and Navdeep Kaur	An Energy Efficient Enhanced Hybrid Routing protocol for MANET utilizing Artificial Bee Colony	International Journal of Innovative Technology and Exploring Engineering, ISSN: 2278-3075	Vol. 8, No.10, pp.508-515, August 2019
8.	Baljit Singh Saini, Navdeep Kaur. Kamaljit Singh Bhatia and A K Lahuch	Analyzing user typing behaviour in different positions using keystroke dynamics for mobile phones	Journal of Discrete Mathematical Sciences and Cryptography E-ISSN: 2169-0065	Vol. 22, No. 4, pp. 591–603, 2019
9.	Simarjeet Kaur, Navdeep Kaur and Kamaljit Singh Bhatia	Cluster Head Inspired Energy Efficient Data Aggregation Scheme for Wireless Sensor Network	International Journal of Innovative Technology and Exploring Engineering, Blue Eyes Intelligence Engineering and Sciences Publication E-ISSN:2278-3075	Vol. 8, No. 8, June 2019
10.	Ramneet Kaur, Navdeep Kaur and Satwinder Singh	Analysis of Optimization Parameters of OLSR Protocol for VANETs	International Journal of Innovative Technology and Exploring Engineering, Blue Eyes Intelligence Engineering and Sciences Publication E-ISSN:2278-3075	Vol. 8, No. 8, pp. 1256-1261, June 2019
11.	Navpreet Kaur Walia and Navdeep Kaur	Analysis of Cost-Aware Load Balancing Framework for Cloud Computing using Optimized Scheduling Algorithms	International Journal of Innovative Technology and Exploring Engineering, Blue Eyes Intelligence Engineering and Sciences Publication E-ISSN:2278-3075	Vol. 8, No. 6, April 2019

12.	Baljit Singh Saini, Navdeep Kaur and Kamaljit Singh Bhatia	Authenticating Mobile Phone Users Based on Their Typing Position Using Keystroke Dynamics	Lecture Notes in Networks and Systems, Springer, Singapore, E-ISBN: 978-981-13-1217-5	Vol. 46, pp. 25-33, 2019
13.	Anu Khurana, Rama Krishna Challa, and Navdeep Kaur	Privacy Preserving Ranked Multi Keyword Context Sensitive Fuzzy Search Over Encrypted Cloud Data	Communications in Computer and Information Science ISSN: 1865-0929	Vol. 958, pp. 207-220, 2019
14.	Anu Khurana, Rama Krishna Challa, and Navdeep Kaur	Privacy Preserving Multi Keyword Ranked Search with Context Sensitive Synonyms over the Encrypted Cloud Data	Communications in Computer and Information Science Springer, Singapore, ISSN: 1865-0929	Vol. 839, pp. 165-180, 2019
15.	Anu Khurana, Rama Krishna Challa, and Navdeep Kaur	Improved Ranking for Search Over Encrypted Cloud Data Using Parallel Index	Advances in Intelligent Systems and Computing, Springer, Singapore ISSN:2194-5357	Vol. 870, pp. 97-107, 2019
16.	Baljit Singh Saini, Navdeep Kaur and Kamaljit Singh Bhatia	Authenticating Mobile Phone User using Keystroke Dynamics	International Journal of Computer Sciences and Engineering, ISSN:2347-2693 (UGC)	Vol.6 , No.12, pp.372-377, 2018
17.	Sonam Khera Neelam Turk and Navdeep Kaur	A practical approach to Energy Consumption in Wireless Sensor Networks	International Journal of Advanced Intelligence Paradigms, Inderscience E-ISSN:1755-0394	Vol. 10, 2018
18.	Baljit Singh Saini, Navdeep Kaur and Kamaljit Singh Bhatia	Keystroke Dynamics for Mobile Phones: A Survey	Indian Journal of Science and Technology, Indian Society for Education and Environment, ISSN:0974-6846 E-ISSN:0974-5645	Vol. 9, No. 6, pp. 1-8, Feb. 2016
19.	Sumeet Kaur Sehra, Yadwinder Singh Brar and Navdeep Kaur	Predominant factors influencing software effort estimation	International Journal of Computer Science and Information Security, Seoul, South Korea, ISSN: 1738-7906	Vol. 14, No.7, pp. 107–110, July 2016.
20.	Sherry Chalotra, S. K. Sehra, Y. S. Brar and Navdeep Kaur	Tuning of COCOMO model parameters by using Bee Colony Optimization	Indian Journal of Science and Technology, Indian Society for Education and Environment, ISSN:0974-6846 E-ISSN:0974-5645	Vol. 8, No.14, pp. 1–5, July 2015
21.	Karanbir Singh, Navdeep Kaur, and Deepa Nehra	A Comparative Analysis of Various Deployment Based DDoS Defense Schemes	Lecture Notes of the Institute for Computer Sciences, Social Informatics and Telecommunications Engineering	LNICST, Vol. 115, ISSN: 1867-8211, pp. 606-616, 2013.
22.	Manish Mahajan and Navdeep Kaur	Steganography in Colored Images Using Wavelet Domain Based Saliency Map	International Journal of Information and Computer Security, Inderscience	Vol.5, No.3, pp.224 – 235, 2013
23.	Manish Mahajan and Navdeep Kaur	Let's Play With Images & Private Data Using Stick of	Lecture Notes in Communications in	Vol. 270, pp. 619-628

		Randomness	Computer and Information Science (CCIS)	ISSN: 1865-0929, 2012
24.	Bajjnath 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, Asian Network for Scientific Information ISSN:1994-5450 E-ISSN:2077-2173	Vol. 2, No.1, pp. 31-41, 2011
25.	Navdeep Kaur, Rajwinder Singh, Manoj Misra, and A. K. Sarje	Concurrency Control for Multilevel Secure Database Systems	International Journal of Network Security	Vol. 9, No.1, pp. 70-81, 2009.
26.	Navdeep Kaur, Rajwinder Singh, Manoj Misra, and A. K. Sarje	Secure Transaction Management Protocols for MLS/DDBMS	Lecture Notes in Computer Science (Information Systems Security), Springer Berlin/Heidelberg ISSN: 0302-9743, E-ISSN:1611-3349	Vol. 4812 pp. 219-233, 2007
27.	Navdeep Kaur, Rajwinder Singh, Manoj Misra, and A. K. Sarje	Fairness Strategy for Multilevel Concurrency Control Protocol,	Lecture Notes in Computer Science (Information Systems Security), Springer Berlin/Heidelberg ISSN: 0302-9743, E-ISSN:1611-3349	Vol. 4332 pp. 71-85, ISSN: 0302-9743, 2006
28.	Rajwinder Singh, Navdeep Kaur, and A. K. Sarje	Secure Itineraries Framework for Mobile Agent Systems, 2006.	Lecture Notes in Computer Science (Information Systems Security), Springer Berlin/Heidelberg ISSN: 0302-9743, E-ISSN:1611-3349	Vol. 4332, pp. 361-364, ISSN: 0302-9743, 2006
29.	Navdeep Kaur and J.Singh	Computer Aided Soft Electronic – Application of VHDL	IETE Technical Review	IETE Tech. Rev., 1999
30.	J.Singh and Navdeep Kaur	Electronics for Surge protection and Noise Suppression	IETE Technical Review	IETE Tech. Rev., 1999
31.	J.Singh and Navdeep Kaur	Measurement of dielectric parameters of gallstones at radiofrequency	Indian Journal of Pure & Applied Physics	Vol. 36, pp. 637-638, November 1998.

(iii) Papers published in proceeding of International Conferences (Scopus Indexed)

Sl. No.	Name of Authors	Title of the paper	Details of International Conference	Date of Conference
1.	Vinay Bhardwaj and Navdeep Kaur	An efficient routing protocol for FANET based on hybrid optimization algorithm	IEEE International Conference on Intelligent Engineering and Management	Accepted for Publication London, UK, April 21-24, 2020
2.	Baljit Singh Saini, Navdeep Kaur and Kamaljit Singh Bhatia	Performance Comparison of Particle Swarm Optimization and Genetic Algorithm for Feature Subset Selection in Keystroke Dynamics	IEEE International Conference on Computational Intelligence and Knowledge Economy, (ICCIKE 2019)	11-12 December 2019, Dubai, UAE

3.	Simarjeet Kaur, Navdeep Kaur and Kamaljit Singh Bhatia	A Novel Prevention Mechanism for Replay Attack in Distance Vector Hop Localization Scheme	International Conference on Innovations in Communication Computing and Sciences	26-27 July, 2019, Mohali, India
4.	Vandana and Navdeep Kaur	A Review of Biometric based Authentication for MANET	IEEE 5th International Conference on Parallel and Distributed Computing	20th - 22th Dec., 2018, Solan, HP, India.
5.	Baljit Singh Saini, Navdeep Kaur and Kamaljit Singh Bhatia	Keystroke Dynamics Based User Authentication using Numeric Keypad	IEEE 7th International Conference Confluence 2017 on Cloud Computing, Data Science and Engineering	E-ISBN: 978-1-5090-3519-9, 12-13 Jan., 2017, Noida, India.
6.	Sumeet Kaur Sehra Jasneet Kaur Yadwinder Singh Brar and Navdeep Kaur	Analysis of Data Mining Techniques for Software Effort Estimation	IEEE 14th International Conference on Information Technology - New Generations (ITNG 2014), IEEE Computer Society , ISBN 978-1-4799-3187-3	Las Vegas, Nevada, U.S.A. from 7th-9th April, pp. 633 - 638, 2014
7.	Sumeet Kaur Sehra, Harpreet Kaur and Navdeep Kaur	Effect of Decomposition of Classes on Software Architecture Stability	5th International Conference on Recent Trends in Information, Telecommunication and Computing, ITC 2014	Chandigarh, pp. 425 – 433, 22-23th March, 2014
8.	Manish Mahajan and Navdeep Kaur	Secret Communication in RGB Images using Wavelet Domain based Saliency Map as Model	5th International Conference on Recent Trends in Information, Telecommunication and Computing, ITC 2014	Chandigarh, pp. 439-449, 22-23th March 2014
9.	Baijnath Kaushik, Navdeep Kaur and 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	Coimbatore, India 28th & 29th December, 2010
10.	Rajwinder Singh, A.K.Sarje, Navdeep Kaur and Ramandeep Kaur	Fault Tolerance Mechanism In Secure Mobile Agent Platform System, pp. 218-222.	IEEE International Advance Computing Conference	Patiala, Punjab, India, March 6-7, 2009
11.	Navdeep Kaur, Rajwinder Singh and H.S.Saini	Design and Analysis of Secure Scheduler for MLS Distributed Database Systems, pp. 1400 – 1404	IEEE International Advance Computing Conference	Patiala, Punjab, India, March 6-7, 2009
12.	Navdeep Kaur, Rajwinder Singh, Manoj Misra and A.K. Sarje	A Feedback Based Secure Concurrency Control for MLS Distributed Database	IEEE International Conference on Computational Intelligence and Multimedia Applications	Sivakasi, India, December 2007, Vol.3, pp.8-12.
13.	Rajwinder Singh, Navdeep Kaur and A.K. Sarje	Optimizing Migration Strategies for Mobile Agent Platform System	IEEE International Conference on Advances in Computer Vision and Information Technology	Aurangabad, MS, November 28th - 30th, 2007
14.	Navdeep Kaur, Rajwinder Singh,	A Secure Concurrency Control for MLS/DDBSs	1st IEEE International Conference on Digital	December 2006, Bangalore, India,

	Manoj Misra and A.K. Sarje		Information Management (ICDIM), pp. 41-46.	
15.	Navdeep Kaur, Rajwinder Singh, A. K. Sarje, Manoj Misra	A Secure Scheduler for MLS Distributed Database System	Thirteenth International Conference on Advanced Computing & Communications	Coimbatore, Tamilnadu, India, 14-17 December 2005.
16.	Navdeep Kaur, Rajwinder Singh, A.K.Sarje, Manoj Misra	Performance Evaluation of Secure Concurrency Control Algorithm for Multilevel Secure Distributed Database Systems	International Conference on Information Technology: Coding and Computing IEEE (ITCC'05)	Las Vegas, Nevada, USA, April 2005, pp. 249-254.
	Navdeep Kaur, A. K. Sarje, Manoj Misra	Performance Evaluation of Concurrency Control Algorithm for Multilevel Secure Distributed Databases	IEEE SCONEST,	Karachi, Pakistan, December 2004.

(iv) Papers published other than above Sl. No. 1, 2 and 3 above

Sl. No.	Title of the paper	Journal	Vol., Issue and Year of Publication
1.	Applying Fuzzy-AHP for software effort estimation in data scarcity	International Journal of Engineering Trends and Technology	Vol. 45, No.1, pp.4-8, March 2017.
2.	Energy Harvesting Aspects of Wireless Sensor Networks: A Review	International Journal on Recent and Innovation Trends in Computing and Communication	Vol. 5, No. 5, pp. 875 – 878, May 2017
3.	Optimization of COCOMO Parameters using TLBO Algorithm	International Journal of Computational Intelligence Research	Vol. 13, No.4 pp. 525-535, April 2017
4.	Evolutionary computing techniques for software effort estimation	International Journal of Computer Science and Information Technology	Vol. 9, No.2, pp. 123-130, April 2017
5.	Improved SAH-DB Algorithm for Task Scheduling in Cloud Computing	International Journal of Computational Engineering & Management	Vol. 19, No. 4, July 2016
6.	Applications and Challenges in Wireless Sensor Networks	International Journal of Advanced Research in Computer and Communication	Vol. 5, No. 6, pp. 448-451, June 2016
7.	Secure Node Localization in Wireless Sensor Network: A Review	Research Cell: International Journal of Engineering Sciences, ISSN: 2229-6913	Vol. 16, No. 1 , pp. 90-93, 2015
8.	Performance Analysis of Genetic Algorithm in Different Cloud Computing Environments	Research Cell: International Journal of Engineering Sciences, ISSN: 2229-6913	Vol. 16, No. 1 , pp. 6-11, 2015
9.	Development of the effort estimation model using fuzzy decision tree	International Journal of computer & organization trends	Vol. 19, No. 2, pp. 78-83, May 2015.
10.	Impact of Wormhole Attack on the Performance of Mobility Models	International Journal of Advance Research in Computer Science and Management Studies	Vol. 3, No. 5, pp. 7-14, May 2015.
11.	A Survey of Mobile Botnet Detection Techniques	International Journal of Research in Advent Technology	Vol.2, No.8, pp. 16-20, August 2014.
12.	A Master Slave Cluster Based Approach for Selecting Frequent	International Journal of Research in Advent Technology	Vol.2, No.6, pp. 248-251, June

	Item Sets		2014
13.	Detection and Prevention Techniques for Wormhole Attacks	International Journal of Computer Science and Information Technologies	Vol. 5, No. 4, pp. 4926-4929, 2014.
14.	Prevention of Mobile Botnet in VPN	International Journal of Science and Research (IJSR)	Vol. 3, No. 9, pp. 572- 575, 2014
15.	Wavelet Domain Based Saliency Map Computation and Evaluation Using Novel Quadrant Based Approach,	International Journal of Advanced Research in Computer Science and Software Engineering,	Vol. 4, Issue 4, pp. 735-742, April 2014
16.	An Improved Technique to Compute Visual Attention Map based upon Wavelet Domain	International Journal of Computer Applications	Vol. 60, No.12, pp. 36-42, 2012
17.	Human Eye Deceiving Model for Secret Communication	Research Cell: International Journal of Engineering Sciences, ISSN: 2229-6913	Vol. 16, No. 1 , pp. 270-295, 2011
18.	Speech Recognition Using Stochastic Approach: A Review	International Journal of Innovative Research in Science, Engineering and Technology,	Vol. 2, No. 2, pp.356-361, Feb., 2013
19.	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	Vol. 2, No. 2, pp.362-371, Feb., 2013.
20.	Simulation of Route Optimization with load balancing Using AntNet System	IOSR Journal of Computer Engineering (IOSR-JCE)	Vol. 11, No. 4, pp. 01-07, 2013
21.	Testing of Software development by Graphical Interface Tool	International Journal of Advanced and Innovative Research	Vol. 2, No. 6 ISSN: 2278-7844, pp. 23-26, 2013.
22.	Adaptive Steganography: A survey of Recent Statistical Aware Steganography Techniques	International Journal of Computer Network and Information Security	Vol.10, pp. 76-92, Sept. 2012
23.	Steganography in RGB Images with Improved Intensity Equalization of Pixels , 2012	Journal of Information and Operations Management	Vol. 3, No. 1, , pp-265–269, 2012
24.	Multi Criteria Decision Making Approach for Selecting Effort Estimation Model	International Journal of Computer Applications	Vol.39, No.1, pp. 10–17, February 2012.
25.	Soft Computing Techniques for Software Project Effort Estimation	International Journal of Advanced Computer and Mathematical Sciences	Vol.2, No. 3, pp. 160–167, November 2011.
26.	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, 2011
27.	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, January 2011. pp. 12-21
28.	A Survey on Various Scheduling Algorithms for Grid Computing	International Journal of Engineering and Information Technology	Vol. 2, No. 3, pp. 179-184, 2010
29.	Construction & Maintenance of Volunteer Groups in Desktop Grid Environment	Journal of Advance Research in Computer Engineering: An International Journal	Vol. 3 No. 1, pp. 23-30, 2009.

30.	The WorkQueue with Replication - Fault Tolerant Scheduler with Timeout (WQR-FTT) For Bag-Of-Tasks Grid Applications	International Journal of Intelligent Information Processing, ISSN: 0973-3892,	Vol. 3, No. 1, pp. 91-97, 2009.
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