

# GURU NANAK DEV ENGINEERING COLLEGE, LUDHIANA

## Department of Information Technology

### Faculty Publications in Conferences (July 2019 onwards)

Faculty Name	Title of the Article	Name of the Conference	Dates of the Conference	Academic Year (July-June)	Organized by	Publication Agency	Indexed by (UGC-CARE/ Scopus etc.)	URL of the Proceedings/ Conference
Sachin Bagga	PortBlocker: Detection and Mitigation of Hardware Trojan through Re-routing and Bypassing	023 IEEE 16th International Symposium on Embedded Multicore/Many-core Systems-on-Chip (MCSoc)	23rd December, 2023	2023-2024	SUTD, Singapore	IEEE	Scopus	<a href="https://www.computer.org/csdl/proceedings-article/mcsoc/2023/936100a325/1TMvPzu4k4MM">https://www.computer.org/csdl/proceedings-article/mcsoc/2023/936100a325/1TMvPzu4k4MM</a>
K.S. Mann	E-Business Innovation Trends and Implications for Private Sector	International Conference on Advancements in Engineering and Technology	23-24 November 2023	2023-2024	Bhai Gurdas Institute of Engineering and Technology, Sangrur, Punjab	IEEE	Scopus	
Amit Kamra	A Review on CLAHE Based Enhancement Techniques	International Conference on Contemporary Computing and Informatics	14-16 September 2023	2023-2024	Gautam Budhha Nagar, Uttar Pradesh	IEEE	Scopus	<a href="https://ieeexplore.ieee.org/abstract/document/10397722">https://ieeexplore.ieee.org/abstract/document/10397722</a>
Sandeep Singla	Forecasting Air Quality of Ludhiana: A Machine Learning Exploration with Dataset Insights	International Conference on Advancements in Engineering and Technology	23-24 November 2023	2023-2024	Bhai Gurdas Institute of Engineering and Technology, Sangrur, Punjab	IEEE	Scopus	
Rupinder Kaur	Bridging the crop knowledge gap: Machine Learning in Agriculture	International Conference on Advancements in Engineering and Technology	23-24 November 2023	2023-2024	Bhai Gurdas Institute of Engineering and Technology, Sangrur, Punjab	IEEE	Scopus	
Rupinder Kaur	Forecasting Air Quality of Ludhiana: A Machine Learning Exploration with Dataset Insights	International Conference on Advancements in Engineering and Technology	23-24 November 2023	2023-2024	Bhai Gurdas Institute of Engineering and Technology, Sangrur, Punjab	IEEE	Scopus	
Rupinder Kaur	Advancements in Face Recognition and Detection: A Comprehensive Study and Implementation using Python and Machine Learning Open Source Libraries	International Conference on Advancements in Engineering and Technology	23-24 November 2023	2023-2024	Bhai Gurdas Institute of Engineering and Technology, Sangrur, Punjab	IEEE	Scopus	
Pankaj Bhambri	Exploring the Application Domains of ML-based Facial Emotion Recognition Systems: Framework, Techniques and Challenges	Second International Conference on Computing and Communication Networks	25 March 2024	2023-2024	Manchester, United Kingdom	AIP Conference Proceedings	Scopus	<a href="https://pubs.aip.org/aip/acp/issue/2919/1">https://pubs.aip.org/aip/acp/issue/2919/1</a>
Pankaj Bhambri	Plants Recognition using Leaf Image Pattern Analysis with Focus on Advanced Smart Computing Technologies	International Conference on Applied Data Science and Smart Systems	5 December 2023	2023-2024	Chitkara University, Punjab	AIP Conference Proceedings	Scopus	<a href="https://pubs.aip.org/aip/acp/article-abstract/2916/1/020003/2926253/Plants-recognition-using-leaf-image-pattern?redirectedFrom=fulltext">https://pubs.aip.org/aip/acp/article-abstract/2916/1/020003/2926253/Plants-recognition-using-leaf-image-pattern?redirectedFrom=fulltext</a>
Jaskiran Kaur	Exploring the Application Domains of ML-based Facial Emotion Recognition System: Framework Techniques and Challenges	Computing and Communication Networks	19 and 20 November, 2022	2022-2023	Manchester Metropolitan University, Manchester, United Kingdom			
Jaskiran Kaur	Quantum Machine Learning in Healthcare: Developments and Challenges	IEEE Conference on Integrated Circuits and Communication Systems	24-25th February, 2023	2022-2023	Raichur, India	IEEE		<a href="https://ieeexplore.ieee.org/abstract/document/10100075">https://ieeexplore.ieee.org/abstract/document/10100075</a>
Pankaj Bhambri	Exploring the Application Domains of ML-based Facial Emotion Recognition System: Framework Techniques and Challenges	Computing and Communication Networks	19 and 20 November, 2022	2022-2023	Manchester Metropolitan University, Manchester, United Kingdom			
Pankaj Bhambri	Quantum Machine Learning in Healthcare: Developments and Challenges	IEEE Conference on Integrated Circuits and Communication Systems	24-25th February, 2023	2022-2023	Raichur, India	IEEE		<a href="https://ieeexplore.ieee.org/abstract/document/10100075">https://ieeexplore.ieee.org/abstract/document/10100075</a>
Pankaj Bhambri	Plants Recognition using Leaf Image Pattern Analysis with focus on Advanced Smart Computing Technologies	Applied Data Science and Smart Systems	04-05 November 2022	2022-2023	Chitkara University, Chandigarh	AIP	Scopus	<a href="https://ca.chitkara.edu.in/adsss/">https://ca.chitkara.edu.in/adsss/</a>
Pankaj Bhambri	A CAD System for Software Effort Estimation	2nd International Conference on Technological Advancements in Computational Sciences	10-12 October 2022	2022-2023	Amity University, Tashkent, Uzbekistan			<a href="https://ca.chitkara.edu.in/adsss/">https://ca.chitkara.edu.in/adsss/</a>
Rupinder Kaur	Role of Machine Learning in Sustainable Manufacturing Practices: An Outline	5th International Conference on Intelligent Manufacturing and Energy Sustainability	23-24 June 2023	2022-2023	Malla Reddy College of Engineering and Technology, Hyderabad	Springer	Scopus	
Rupinder Kaur	Integrating Sustainable Energy Systems and Artificial Intelligence: Transforming the Future of Energy	5th International Conference on Intelligent Manufacturing and Energy Sustainability	23-24 June 2023	2022-2023	Malla Reddy College of Engineering and Technology, Hyderabad	Springer	Scopus	
Himani Sharma	An Ensemble Classification Approach for Diabetics Prediction using Machine Learning	Applied Data Science and Smart Systems	04-05 November 2022	2022-2023	Chitkara University, Chandigarh	AIP	Scopus	<a href="https://ca.chitkara.edu.in/adsss/">https://ca.chitkara.edu.in/adsss/</a>
Sandeep Singla	Analysis of Various Cardiovascular disease Prediction Models	International Multidisciplinary Academic Research Conference 2023	10th March, 2023	2022-2023	CT University, Ludhiana			<a href="http://www.ctuniversity.in/imarc2023">www.ctuniversity.in/imarc2023</a>
Sandeep Singla	A Survey on Vegetable Disease Detection using Machine Learning	International Multidisciplinary Academic Research Conference 2023	10th March, 2023	2022-2023	CT University, Ludhiana			<a href="http://www.ctuniversity.in/imarc2023">www.ctuniversity.in/imarc2023</a>

Gitanjali	Integrating Sustainable Energy Systems and Artificial Intelligence: Transforming the Future of Energy	5th International Conference on Intelligent Manufacturing and Energy Sustainability	23-24 June 2023	2022-2023	Malla Reddy College of Engineering and Technology, Hyderabad	Springer	Scopus	
Jagdeep Singh	A Survey on Load Balancing Techniques in Fog Computing	"KATHLEEN100" – 5th International Conference on Computing Sciences.(ICCS-2021)	4-5TH DECEMBER 2021	2021-2022	LPU	IEEE	Scopus	<a href="https://ieeexplore.ieee.org/document/9784671">https://ieeexplore.ieee.org/document/9784671</a>
Mohanjit Kaur Kang	Bibliographic Survey of Wheat Research in India	9TH INTERNATIONAL CONFERENCE ON ADVANCE RESEARCH AND INNOVATION	4TH-5TH MARCH,2022	2021-2022	CT University, Ludhiana			
Kulvinder Singh Mann	An Optimized Multiple Malicious Node Detection method for detection of security attacks in VANETs	2nd International Conference on Computational Methods in Science & Technology (ICCMST)	17-18 Dec 2021	2021-2022	Mohali	IEEE Xplora	Scopus	<a href="https://ieeexplore.ieee.org/document/9784758">https://ieeexplore.ieee.org/document/9784758</a>
Kulvinder Singh Mann	Case Study on various OS :Windows, Linux, Unix, MacOS android, ios	5th international conference on current trends in engineering sciences and management	May 2022	2021-2022	Ludhiana			
Rupinder Kaur	Piezoelectric Materials in Sensors: Bibliometric and Visualization Analysis	Internal Conference on Materials Science and Sustainable Manufacturing Technology	20 and 21st May,2022	2021-2022	Tamilnadu	Elsevier: Materials Today Proceeding	Scopus	<a href="https://www.sciencedirect.com/science/article/pii/S2214785322045035?via%3Dihub">https://www.sciencedirect.com/science/article/pii/S2214785322045035?via%3Dihub</a>
Pankaj Bhambri	Sketching of EV Network: A Complete Roadmap	Sustainable Development Through Engineering Innovations	17-19 Sept., 2020	2020-2021	Guru Nanak Dev Engineering College, Ludhiana	Lecture Notes in Civil Engineering, vol 113. Springer, Singapore	Scopus	<a href="https://link.springer.com/chapter/10.1007/978-981-15-9554-7_37">https://link.springer.com/chapter/10.1007/978-981-15-9554-7_37</a>
Pankaj Bhambri	Various Approaches and Algorithms for Monitoring Energy Efficiency of Wireless Sensor Networks	Sustainable Development Through Engineering Innovations	17-19 Sept., 2020	2020-2021	Guru Nanak Dev Engineering College, Ludhiana	Lecture Notes in Civil Engineering, vol 113. Springer, Singapore	Scopus	<a href="https://link.springer.com/chapter/10.1007/978-981-15-9554-7_68">https://link.springer.com/chapter/10.1007/978-981-15-9554-7_68</a>
Pankaj Bhambri	Optimized PSO-EFA Algorithm for Energy Efficient Virtual Machine Migrations	Recent Advances and Innovations in Engineering	1-3 Dec., 2020	2020-2021	Poornima College of Engineering, Jaipur	IEEE	Scopus	<a href="https://ieeexplore.ieee.org/document/9358305">https://ieeexplore.ieee.org/document/9358305</a>
Jagdeep Singh	A Sustainable Resource Allocation Techniques for Fog Computing	Sustainable Development through Engineering Innovations	September 17-19, 2020	2020-2021	GNDEC, Ludhiana	Springer	Scopus	<a href="https://link.springer.com/chapter/10.1007/978-981-15-9554-7_68">https://link.springer.com/chapter/10.1007/978-981-15-9554-7_68</a>
Amit Kamra	Enhancement of Retinal Image by Hybrid Approach	Proceedings of IEEE International Conference on Computation, Automation and Knowledge Management, Dubai	19-21 January 2021	2020-2021	Dubai	IEEE	Scopus	<a href="https://ieeexplore.ieee.org/document/9357753">https://ieeexplore.ieee.org/document/9357753</a>
Jagdeep Singh	Software-based Prediction of Liver Disease with Feature Selection and Classification Techniques	Computational Intelligence and Data Science	6-7 Sept., 2019	2019-2020	NorthCap University, Gurugram	Procedia Computer Science Journal, Elsevier	Scopus	<a href="https://www.sciencedirect.com/science/article/pii/S187705092030692X">https://www.sciencedirect.com/science/article/pii/S187705092030692X</a>
Sachin Bagga	Software-based Prediction of Liver Disease with Feature Selection and Classification Techniques	Computational Intelligence and Data Science	6-7 Sept., 2019	2019-2020	NorthCap University, Gurugram	Procedia Computer Science Journal, Elsevier	Scopus	<a href="https://www.sciencedirect.com/science/article/pii/S187705092030692X">https://www.sciencedirect.com/science/article/pii/S187705092030692X</a>
Ranjodh Kaur	Software-based Prediction of Liver Disease with Feature Selection and Classification Techniques	Computational Intelligence and Data Science	6-7 Sept., 2019	2019-2020	NorthCap University, Gurugram	Procedia Computer Science Journal, Elsevier	Scopus	<a href="https://www.sciencedirect.com/science/article/pii/S187705092030692X">https://www.sciencedirect.com/science/article/pii/S187705092030692X</a>
Kiran Jyoti	Energy Aware VM Consolidated Using Dynamic Threshold in Cloud Computing	Intelligent Computing and Control Systems	16 April, 2020	2019-2020	Secundrabad, India	IEEE	Scopus	<a href="https://ieeexplore.ieee.org/document/9065427/authors#authors">https://ieeexplore.ieee.org/document/9065427/authors#authors</a>
Kulvinder Singh Mann	Comparative Study of TDMA-Based MAC Protocols in VANET: A Mirror Review	Innovative Computing and Communications	17 Nov. 2019	2019-2020	VSB - Technical University of Ostrava, Czech Republic, Europe	Advances in Intelligent Systems and Computing, vol 1059. Springer, Singapore	Scopus	<a href="https://link.springer.com/chapter/10.1007/978-981-15-0324-5_10">https://link.springer.com/chapter/10.1007/978-981-15-0324-5_10</a>
Sandeep Kumar Singla	Stock Market Prediction using ARIMA, ANN and SVR	Advances in Computing and Communication Technology (ICACCT2019)	2019	2019-2020	CMR College of Engineering and Technology, Hyderabad	Lecture Notes in Electrical Engineering, Springer, Singapore	Scopus	<a href="https://link.springer.com/content/pdf/bfm%3A978-981-15-7961-5%2F1.pdf">https://link.springer.com/content/pdf/bfm%3A978-981-15-7961-5%2F1.pdf</a>