

INTERNATIONAL CONFERENCES (STUDENT PUBLICATIONS)

S.No.	Author (s)	Title	Name of Conference	Venue	Month	Year
1	Ranbir Singh , Ashmeet Kaur, Priyanka Arora, Palwinder Kaur	Beyond Internal AUC: Domain Shift, External Validation Gaps, and Translational Readiness of AI in Coeliac Disease	International Conference on Networks, Computing Systems, and Data Analytics	University of Essex, United Kingdom	July	2026
2	Ashmeet Kaur, Ranbir Singh , Palwinder Kaur, Kiran Jyoti	Beyond Internal Validation: Domain Shift and generalisation Challenges in Healthcare AI Systems-APRISMA-Based Systematic Review	International Conference on Data Analytics & Management	London Metropolitan University, UK	June	2026
3	Komalpreet Kaur	AI- Based Waste classification and disposal recommendation system using efficient Net BO with a conceptual framework for automated waste sorting.	National Student Congress on Smart & Sustainable Technologies	Guru Nanak Dev Engineering College, Ludhiana	April	2026
4	Sarvesh Garg , Kiran Jyoti, Hardeep Singh Kang, Amandeep Kaur Bal	A survey on various machine learning techniques for air quality prediction	ICCTSD 2026	Guru Nanak Dev Engineering College, Ludhiana	April	2026
5	Amandeep Singh , Kaif Malik, Sumit Goswami	Equipping Machine Learning for Organizational Project Efficiency and Schedule Assurance	ICCTSD 2026	Guru Nanak Dev Engineering College, Ludhiana	April	2026
6	Sumanpreet Kaur , Manjot Kaur Gill, Jasmine Kaur	A Vision Transformer-Language Model Integrated Framework for ASL-to-ISL Translation with Audio-Video Generation	ICCTSD 2026	Guru Nanak Dev Engineering College, Ludhiana	April	2026
7	Neha Gupta , Neha , Jasbir Singh Saini , Manveer Kaur Dhaliwal	A Dialogflow-Driven Framework for Real-Time Translation, Sentiment Handling, and Predictive Vectorization in Museum Ticketing System	ICCTSD 2026	Guru Nanak Dev Engineering College, Ludhiana	April	2026
8	Amandeep Singh , Sumit Goswami	Towards Verifiable Defence Information: An Evidence-Constrained Fact Verification Framework	ICCTSD 2026	Guru Nanak Dev Engineering College, Ludhiana	April	2026
9	Aditya, Ananya Sharma, Amanpreet Kaur , Kajal Chugh	SMART INDOOR NAVIGATION SYSTEM	ICCTSD 2026	Guru Nanak Dev Engineering College, Ludhiana	April	2026
10	Ranbir Singh, Ekuspreet Singh, Harsimran Singh Jaggi	Privacy Threats and Mitigation Strategies in Federated Learning for Healthcare: A Systematic Literature Review	ICCTSD 2026	Guru Nanak Dev Engineering College, Ludhiana	April	2026

11	Manjot Kaur , Palak Sood	A Two-Stage Framework for Punjabi Idiom Detection and Translation	ICCTSD 2026	Guru Nanak Dev Engineering College, Ludhiana	April	2026
12	Muskandeep Kaur , Satinderpal Singh	A Computational Analysis of Mental and Physical Health Based on Gender Divide	ICCTSD 2026	Guru Nanak Dev Engineering College, Ludhiana	April	2026
13	Mamta , Amandeep Kaur Sohal	Reversible Data Hiding in Encrypted Images: A Comprehensive Review	ICCTSD 2026	Guru Nanak Dev Engineering College, Ludhiana	April	2026
14	Gursimran Kaur , Diana Nagpal, Vivek Thapar	Hybrid Transfer Learning based Framework for Vision-Driven Elderly Activity Recognition	ICCTSD 2026	Guru Nanak Dev Engineering College, Ludhiana	April	2026
15	Komalpreet Kaur , Inderjit Singh, Jyoti Kumari Verma , Karmjot Singh	A Review of Automatic Speech Recognition Techniques for Low-Resource Languages	ICCTSD 2026	Guru Nanak Dev Engineering College, Ludhiana	April	2026
16	Amandeep Singh , Arshpreet Singh , Simarleen Kaur , Parminder Singh	Uncertainty-Based Burnout vs Depression Detection from Social Media Screening	ICCTSD 2026	Guru Nanak Dev Engineering College, Ludhiana	April	2026
17	Anantjot Singh , Jasbir Singh Saini, Daljeet Singh	Adaptive Risk Based Access Control Framework In Zero Trust Security for IoT Networks	ICCTSD 2026	Guru Nanak Dev Engineering College, Ludhiana	April	2026
18	Pratyush , Inderjit Singh, Kapil Sharma	Anomaly Detection in Credit Card Transactions using Machine Learning Techniques	ICCTSD 2026	Guru Nanak Dev Engineering College, Ludhiana	April	2026
	Amandeep Singh , Sumit Goswami	Innovation Orientation Index and Beyond: A Multi Model for Evaluating DRDO-User Investment Patterns	2nd International Conference on Pioneering Developments in Computer Science and Digital Technologies 2025	NIT, Delhi	Dec	2025
19	Vivek Bhardwaj, Arun Kumar Verma, Jaideep Randhawa	Real-time Fault Detection of LLC Converter using Machine Learning and Cloud Computing	12 th IEEE Uttar Pradesh Section International Conference on Electrical, Electronics, and Computer Engineering	IIT, Varanasi	Dec	2025
20	Manjot Kaur , Jasvir Kaur , Jasmin Kaur , Palak Sood	Addressing the Idiom Challenge in Machine Learning Translation : A review focused on Low Resource Languages	International Conference on Innovative Engineering & Computational Technologies	Mandsaur University, Mandsaur	Nov	2025

21	Jaideep Randhawa, Shivansh Vishwakarma , Sita Rani	Comparative Analysis of Multi-Agent DRL Strategies for Autonomous UAV Swarm Operations in Defence	68 th Annual IETE Convention on Innovative Digital Technologies & Applications for Sustainable Society Development	Chandigarh	September	2025
22	Komalpreet Kaur , Dr.Inderjit Singh	Rose Leaf Disease Detection System Using Machine Learning Approach	International Conference on Artificial Intelligence, Computer and Electrical Engineering (IACE 2025)	Guru Kashi University, Bathinda(Punjab)	September	2025
23	Karanbir Singh, Komal Dadwal, Karamveer Kaur , Diana Nagpal	Depression Detection Using Social Media Analysis	5th International Conference on Intelligent Technologies (CONIT)	HUBBALI, India	June	2025
24	Ashish Miglani, Kiran Jyoti, Kamaldeep Kaur	A systematic review on Air Quality Prediction	International Conference on Electrical, Electronics & Automation (E2ACON2025)	Dr B R Ambedkar NIT Jalandhar	March	2025
25	Raghav Chopra	Unveiling R&D Project Timelines with AI	3rd Delcon IEEE International Conference on Advancing Technology for Sustainable Development	BVICAM, New Delhi	Nov	2024
26	Sukhdeep Singh, Trilok Singh, Tarun Singh , Diana Nagpal	Real Time Posture Detector Using MediaPipe and OpenCV	4th International Conference on Soft Computing for Security Applications	Salem, India	Sept	2024
27	Bharatdeep Singh, Divneet Kaur , Sita Rani	An MI-based Hybrid Model for Iot Attack Classification in Industry 4.0 Ecosystem	Sixth International Conference on Computational Intelligence in Communications and Business Analytics CICBA 2024	National Institute of Technology Patna	Jan	2024
28	Tashneet Kaur, Dhruv Kumar , Sita Rani, Kiran Jyoti	From Haze And Smoke To Clarity: An Integration of Deep Learning And Atmospheric Model	Sixth International Conference on Computational Intelligence in Communications and Business Analytics CICBA 2024	National Institute of Technology Patna	Jan	2024

29	Priyanka Jhamb, Amanjot Singh, Vrishti Gupta, Manpreet Kaur Mand	Blockchain-enabled Transcript System integrated with IPFS	International Conference on Recent Trends in Advance Computing (ICRTAC)	School of Computer Science and Engineering (SCOPE), Vellore Institute of Technology, Chennai	Dec	2023
30	Abhishek Rana, Amandeep Kaur Sohal	Virtual Channel Attack by Hardware Trojan in NoC-based TCMP and its Impact Analysis	2023 Third International Conference on Secure Cyber Computing and Communication (ICSCCC) IEEE	NIT Jalandhar, Punjab INDIA	May	2023
31	Blossom, Jasmine Kaur Gill, Sehajpreet Kaur, Gurjit Kaur	Face Sketch Constructor and Identity Attestation	International Conference on Advancements in Engineering & Technology	Bhai Gurdas Institute of Engg. and Tech., Sangrur	Nov	2022
32	Harmehak Singh Khangura, Khushanpreet Singh, Harpreet Singh, Daljeet Singh	Aristocratic Trends of Cyber Attacks: Visualizing Ukraine Defended Surface as a case study	International Conference on Data Science and Computational Intelligence (Scopus)	Chandigarh University	Nov	2022
33	Priyanka Jhamb, Vrishti Gupta, Amanjot Singh, Manpreet Kaur	Blockchain-enabled Transcript System Integrated with IPFS	International Conference on Data Science and Computational Intelligence (Scopus)	Chandigarh University	Nov	2022
34	Harman Singh, Parminder Singh, Manjot Kaur	Statistical Parametric Speech Synthesis for Punjabi Language using Deep Neural Network	3rd International Conference on Sustainable and Innovative Solutions for Current Challenges in Engineering & Technology (ICSISCET 2021)	Madhav Institute of Technology & Science, Gwalior, India	Nov	2021
35	Shalini Sharma, Amandeep Kaur Sohal, Mandeep Kaur Walia	Performance Improvement of CTNR Protocol in Wireless Sensor Network Using Machine Learning	3rd International Conference on Sustainable and Innovative Solutions for Current Challenges in Engineering & Technology ICSISCET 2021 ,(Scopus Indexed)	Madhav Institute of Technology & Science, Gwalior, India	Nov	2021
36	Kanika, Vivek Thapar, Gurjit Kaur	Analysis of Various Image Blind Detection Techniques: Review	International Conference on Engineering & Technology (Scopus)	Ludhiana	July	2021
37	Baldeep Kaur, Sumeet Kaur Sehra, Daljeet Singh	An Ensemble Classification Model For Software Defect Prediction	International Conference on Engineering & Technology (Scopus)	Ludhiana	July	2021
38	Isha, Jasbir Singh Saini, Kamaldeep Kaur	A Machine Learning Approach For Network Traffic Classification	International Conference on Engineering & Technology (Scopus)	Ludhiana	July	2021

39	Kanika , Vivek Thapar, Gurjit Kaur	Image Blind Detection Using GLCM, ABC and Voting Classification Method	International Conference on Engineering & Technology (Scopus)	Ludhiana	July	2021
40	Priyanka Arora, Babanpreet Singh	Analysis Paper on Different Algorithm, Dataset and Devices Used for Fundus Images	International Conference on Advanced Informatics for Computing Research(Scopus)	Gurugram, Harayana	Dec	2020
41	Gagneet Kaur ,Priyanka Arora,Jasdeep Kaur	Detection of Plant Leaf Disease Using Image Processing and Deep Learning Technique—A Review	Proceedings of International Conferenceon ComputationalIntelligence, Data Science and Cloud ComputingIEM-ICDC 2020(Scopus)	online	Sep	2020
42	Harshpreet Kaur , Jaskirat Kaur , Jyoti Sah , Manpreet Kaur	A Privacy Preserving E-voting System using Blockchain Technologies	International Congress on Sustainable Development through Engineering Innovations (SDEI-2020)	Guru Nanak Dev Engineering College, Ludhiana (Punjab), India	Sep	2020
43	Ankit Nitesh , Jasdeep Kaur	A comparative review on different methods for image captioning	International Congress on Sustainable Development through Engineering Innovations (SDEI-2020)	Guru Nanak Dev Engineering College, Ludhiana (Punjab), India	Sep	2020
44	Ritu , Sumeet Kaur Sehra, Sukhjot Singh Sehra	Comparative Analysis of Machine Learning Techniques in effort estimation	International Congress on Sustainable Development through Engineering Innovations (SDEI-2020)	Guru Nanak Dev Engineering College, Ludhiana (Punjab), India	Sep	2020
45	Palak Sood , Sumeet Kaur Sehra, Himani Sharma	An Ensembled Feature Extraction Approach for Predicting Male Infertility using Artificial Intelligence	International Congress on Sustainable Development through Engineering Innovations (SDEI-2020)	Guru Nanak Dev Engineering College, Ludhiana (Punjab), India	Sep	2020
46	Himani Sharma , Sumeet Kaur Sehra, Kuljit Kaur, Mandeep Kaur, Palak Sood	Building a Machine Learning Classifier Model for Diabetes Prognosis	International Congress on Sustainable Development through Engineering Innovations (SDEI-2020)	Guru Nanak Dev Engineering College, Ludhiana (Punjab), India	Sep	2020
47	Rajneet Kaur , Parminder Singh	Analysis of Machine Translation and its Approaches	International Congress on Sustainable Development through Engineering Innovations (SDEI-2020)	Guru Nanak Dev Engineering College, Ludhiana (Punjab), India	Sep	2020

48	Navdeep Kaur , Parminder Singh	Speech Parameters Extraction for Text-to-Speech Synthesis for Punjabi	International Congress on Sustainable Development through Engineering Innovations (SDEI-2020)	Guru Nanak Dev Engineering College, Ludhiana (Punjab), India	Sep	2020
49	Himani Sharma , Sumeet Kaur Sehra, and Palak Sood	Literature review of machine learning approaches in diabetes prognosis	International Conference on Applications of AI and Machine Learning	Punjabi University, Patiala, India	May	2020
50	Palak Sood , Sumeet Kaur Sehra, and Himani Sharma	An Analytical Review of Artificial Intelligence Techniques for Infertility Prediction	International Conference on Applications of AI and Machine Learning	Punjabi University, Patiala, India	May	2020
51	Rajneet Kaur , Parminder Singh	Development of Punjabi to English Translation system using NMT	International Conference on Applications of AI and Machine Learning (ICAML)-2020	Dept. of CSE, Punjabi University, Patiala, India	May	2020
52	Kavleen Kour, Jaspreet Kour , Parminder Singh	Lexicon Based Sentiment Analysis	First International Conference on Advanced Communication & Computational Technology (ICACCT-2019)	NIT Kurkshetra, India	Dec	2019
53	Harinder Singh Mashiana, Abhishek Salaria , Kamaldeep Kaur	Speech Enhancement Using Residual Convolutional Neural Network	International Conference on Smart Systems and Inventive Technology (ICSSIT) (Scopus)	Francis Xavier Engineering College, Tirunelveli, India	Nov	2019
54	Navdeep Kaur , Parminder Singh	Segmentation of Punjabi Text into Prosodic Unit	The 14th International Conference on Computer Science & Education (ICCSE 2019) (Scopus Indexed)	Toronto, Canada	Aug	2019
55	Gurjit Kaur , Kamaldeep Kaur, Parminder Singh	Spell Checker for Punjabi Language using Deep Neural Network	IEEE 5 th International Conference on Advanced Computing and Communication Systems, SCOPUS	Sri Eshwar College of Engineering, Combatore, India	March	2019
56	Jaspreet Singh , Kamaldeep Kaur	Speech Enhancement for Punjabi Language Using Deep Neural Network	IEEE International Conference on Signal Processing and Communication, SCOPUS	Amity University, Noida, India	March	2019
57	Gurinder Kaur , Parminder Singh	Formant Text To Speech Synthesis Using Artificial Neural Networks	Second International Conference on Advanced Computational and Communication Paradigms (ICACCP) (Scopus Indexed)	Sikkim Manipal Institute of Technology (SMIT), Sikkim, India	Feb	2019

58	Kavleen Kour, Jaspreet Kour , Parminder Singh	Smart Applications of Internet of Things	IEEE First International Conference on Secure Cyber Computing and Communication (ICSCCC) (Scopus Indexed)	Dr. B.R. Ambedkar NIT, Jalandhar, India	Dec	2018
59	Pragati Dikshit , Rajveer Kaur, Goldendeeep Kaur	A Comprehensive survey on fault toleranceschemes in WSN	International Conference on Advances in Science & Technology	Swami Keshvanand Institute of Technology, Management & Gramothan, Jaipur, India	May	2018
60	Sukhpreet Kaur , Parminder Singh	Festival Framework for Synthesis of Punjabi Voice	2nd International Conference on Communication, Computing and Networking (ICCCN 2018) (Scopus Indexed)	National Institute of Technical Teachers Training & Research, (NITTTR) Chandigarh, India	March	2018
61	Rajdeep Kaur , Akshay Girdhar, Priyanka Arora	Detection of Rainmaas from RADAR images using Wavelets	IEEE 2 nd International Conference on Communication and Electronics Systems	PPG Institute of Technology, Coimbatore, Tamil Nadu, India	Oct	2017
62	Deepshikha , Priyanka Arora, Varsha	Enhanced NN Based RZ Leach using hybrid ACO/ PSO based routing for WSNs	IEEE International conference on Computing, Communication and Networking Technologies	IIT, Delhi	July	2017
63	Kriti Bhatia , Sukhjot Singh Sehra, Geetika, Sherry Chalotra	AN APPROACH TO DETECT OUTLIERS IN OPENSTREETMAP DATA	International Conference on Recent Trends in Engineering, Science & Management	Phagwara, Punjab	May	2017
64	Komaldeep Kaur , Parminder Singh	Generation of Expressive Speech for Punjabi	2nd International Conference on Research Trends in Engineering, Applied Science and Management (ICRTESM-2017)	National Institute of Technical Teachers Training & Research, (NITTTR) Chandigarh, India	April	2017
65	Sarpreet Kaur , Parminder Singh	Discontinuity Removal in Concatenative Synthesized Speech	2nd International Conference on Research Trends in Engineering, Applied Science and Management (ICRTESM-2017)	National Institute of Technical Teachers Training & Research, (NITTTR) Chandigarh, India	April	2017

66	Kirandeep Kaur , Sukhjot Singh Sehra, Priyanka Arora, Sumeet Kaur	SpatialHadoop: For OpenStreetMap data	International Conference on Inventive Systems and Control (ICISC)	JCT College of Engineering and Technology, Coimbatore, India	Jan	2017
67	Anterpreet Kaur , Parminder Singh, Kamaldeep Kaur	Punjabi Dialects Conversion System for Majhi, Malwai and Doabi Dialects	8th International Conference on Computer Modeling and Simulation (ICCMS 2017)	Canberra, Australia	Jan	2017
68	Sherry Vij , Parminder Singh, Manjot Kaur	Feature Extraction using MFCC for speech recognition	Recent trends in Communication and Computer Networks	Bangalore	Nov	2016
69	Ankurdeep Kaur , Manpreet Singh, Priyanka Arora	Development of disease detection system using leaf image analysis	International Conference on recent trends in computing	Punjabi University, Patiala	August	2016
70	Vandana Toor , Kapil Sharma	Study of Various Route Tracking Techniques and Open Street Map Data	International Conference on Computer Science, Electronics and Communication Engineering	Mohali	June	2016
71	Jasleen Kaur , Sukhjot Singh Sehra, Sumeet Kaur Sehra	Impact Analysis of Features on Classification for Sentiment Analysis of Tweets	International Conference on Computer Science, Electronics and Communication Engineering	Ludhiana	June	2016
72	Ramandeep Sharma , Sukhjot Singh Sehra, Sumeet Kaur Sehra	Analysis of Machine Learning Approaches for Opinion Mining of Movie Reviews	International Conference on Computer Science, Electronics and Communication Engineering	Ludhiana	June	2016
73	Navneet Kaur , Sukhjot Singh Sehra, Sumeet Kaur Sehra	Review of Open Street Map Data Quality and its Assessment Tools	International Conference on Computer Science, Electronics and Communication Engineering	Ludhiana	June	2016
74	Pawan Verma , Sukhjot Singh Sehra, Kapil Sharma	Review of Contributor's Categories and their Motivations for Open Street Map	International Conference on Computer Science, Electronics and Communication Engineering	Mohali	June	2016
75	Harjinder Kaur , Kamaldeep Kaur	A Survey of Anaphora Resolution approaches for different Indian languages	International Conference on Computer Science, Electronics and Communication Engineering	ITAR/IFERP (conducted in Ludhiana)	June	2016
76	HarsimranPal Kaur , Kamaldeep Kaur	A Review of Document Classification Techniques	International Conference on Computer Science, Electronics and Communication Engineering	ITAR/IFERP (conducted in Ludhiana)	June	2016

77	Tamana Sharma , Mandeep Kaur	Survey on detection of forgery in images.	International Conference on Advancements in Engineering & Technology (ICAET-2016)	BGIET Sangrur, India	March	2016
78	Gurpreet Kaur , Mandeep Kaur	A Robust age estimation technique using artificial intelligence: a survey.	International Conference on Advancements in Engineering & Technology (ICAET-2016)	BGIET Sangrur, India	March	2016
79	Kamaljeet Kaur , Parminder Singh	English to Punjabi Transliteration using Orthographic and Phonetic Information	Natural Language Processing	Punjabi University, Patiala, India	Sep	2015
80	Jasmine Kaur , Parminder Singh	Review of Expression Speech Synthesis	International Conference on Innovative Research in Engineering Science, Information & Communication Technology (ICREICT-2015)	Lala Lajpat Rai Institute of Engineering & Technology, Moga, India	July	2015
81	Sumeet Kaur Sehra , Jasneet Kaur , Yadwinder Singh Brar, Navdeep Kaur	Analysis of Data Mining Techniques for Software Effort Estimation	Information Technology - New Generations (ITNG 2014)	Las Vegas, Nevada, U.S.A	April	2014
82	Rajveer Kaur , Jasbir Singh Saini	Extended Twofish Block Cipher Algorithm For 256-bit Blocks and Performance Comparison With Twofish	Recent Advances in Science, Engineering and Technology	Pune	April	2014
83	Sumeet Kaur Sehra, Harpreet Kaur , Navdeep Kaur	Effect of Decomposition of Classes on Software Architecture Stability	Recent Trends in Information, Telecommunication and Computing	Chandigarh	March	2014
84	Kamaljit Kaur , Parminder Singh	English to Punjabi Transliteration using Orthographic and Phonetic Information	International Conference on Natural Language Processing (ICON-2014)	Goa University, Goa, India	Dec	2014
85	Navjot Kaur , Sukhjot Singh Sehra, Jaiteg Singh	Performance Analysis of Queuing Disciplines on Network Performance	Information Management in the Knowledge Economy (IMKE 2012)	Chitkara Institute of Engg & Technology, Punjab, India	July	2012
86	Guneet Pal Singh , Vivek Thapar	Development of Rule Based IDS for Windows	Power System Operation and Control	GNDEC, Ludhiana, India	Dec	2010
87	Simarjit Kaur , Sukhjot Singh Sehra, Amanpreet Singh, Supreet Kaur	Resource Allocation In Grid Environment Using Rbac Model	Computer Engineering Technology	Jodhpur Institute of Engg & Technology, India	Nov	2010
88	Amanjot kaur , Sukhjot Singh Sehra, Sumeet Kaur Sehra	Fuzzy Clustering Based Missing Value Estimation of Gene Expression Data	Computer Engineering Technology	RIMT, Mandi Gobindgarh, India	March	2010

89	Sandeep Kaur , Sukhjit Singh Sehra	GENE Expression: Implementation of both transcription and translation process as a part of gene expression (both for prokaryotes and eukaryotes)	Computing: Update and Trends	Jaipuria Institute of Management, Ghaziabad, India	Feb	2010
90	Rupandeep Kaur , Sukhjit Singh Sehra, Sumeet Kaur Sehra	A survey of techniques for software project effort estimation	Wireless Networks and Embedded Systems	Chitkara Institute of Engg and Technology, India	Oct	2009
91	Karamjit Kaur , Sukhjit Singh Sehra, Sumeet Kaur Sehra	Performance Analysis of DWDM system with modulation format	wireless networks and embedded systems	Chitkara Institute of Engg and Technology, India	Oct	2008
92	Yogyata Gupta , Sukhjit Singh Sehra, Sumeet Kaur Sehra	Improved approach to phylogenetic tree construction and analysis	wireless networks and embedded systems	Chitkara Institute of Engg and Technology, India	Oct	2008