



**DAYANANDA SAGAR UNIVERSITY**  
**School of Engineering**  
**Department of Computer Science & Technology**  
**Conference Publications**  
**Academic Year 2025 - 26**



| Sl. No | Paper Title                                                                                                        | Author Details                                                               | Conference Name                                                                                               | Conference Date            | Organization Institution                                                                                     | Venue                          | Publisher       |
|--------|--------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|----------------------------|--------------------------------------------------------------------------------------------------------------|--------------------------------|-----------------|
| 1      | Automated Diagram Evaluation in STEM Education: A Review of Current Challenges and Emerging AI-Driven Solutions    | R keertish, Nanditha N, M Esha reddy , Mohammad Faizal. Dr.M Shahina Parveen | Second IEEE International Conference on “New Frontiers in Communication, Automation, Management, and Security | 11th – 12th July 2025      | Presidency University                                                                                        | Bangalore, Karnataka           | IEEE            |
| 2      | Bridging Career Gaps Using AI-Driven Career Pathways and Engaging Augmented Reality Simulations.                   | Sohana R, Niharika R, Shah, Khushi, Singh, Tanya, Parveen, M. Shahina        | 10th International Conference on ICT for Sustainable Development, ICT4SD 2025                                 | 17th – 19th July 2025      | ICT4SD Conference Committee in collaboration with academic and industry partners                             | Goa                            | Springer Nature |
| 3      | AI in the Clinic: A Legal and Ethical Framework for Safe and Responsible Deployment.                               | Aditya Chithambarathanu Rishav                                               | 3rd International Conference on Intelligent Cyber Physical Systems and Internet of Things, ICoICI 2025        | 17th – 19th September 2025 | JCT College of Engineering and Technology                                                                    | Coimbatore, Tamil Nadu         | IEEE            |
| 4      | Citrus Disease Detection Using Convolutional Neural Networks: a Deep Learning-Based Precision Agriculture Approach | Aditya Chithambarathanu Rishav,                                              | 5th IEEE International Conference on Innovations in Power and Advanced Computing Technologies, i-PACT 2025    | 25th – 26th September 2025 | Universitas Airlangga (Indonesia), Universiti Malaya (Malaysia), and Vellore Institute of Technology (India) | Surabaya, East Java, Indonesia | IEEE            |

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| 5      | Artificial Intelligence in Veterinary Medicine: Advancing Early Diagnosis and Smart Pet Healthcare.                                                   | Aditya Rishav, Chithambarathanu                                                                                                      | 5th IEEE International Conference on Innovations in Power and Advanced Computing Technologies, i-PACT 2025 | 25th – 26th September 2025 | Universitas Airlangga (Indonesia), Universiti Malaya (Malaysia), and Vellore Institute of Technology (India) | Surabaya, East Java, Indonesia | IEEE            |
| 6      | TalentScanner: AI-Driven Resume Matching with Semantic Analysis                                                                                       | Prof. M. Chithambarathanu, Dr. Santosh Kumar J, Dr. M.Shahina Parveen, Mr. Nishant Kumar Dubey, Mr. Krishna, Mr. Sidharth, Mr. Vivek | 6th International Conference on Frontiers in Computing and Systems COMSYS 2025                             | 25th – 27th September 2025 | Warsaw University of Technology                                                                              | Warsaw, Poland                 | Springer Nature |
| 7      | Emoji Based CAPTCHA in accordance to Sentiment Image                                                                                                  | Dr. Santosh Kumar J, Prof. M. Chithambarathanu, Dr. M.Shahina Parveen, Ms. Dhivya, Ms. Ashritha, Ms. Jalaja                          | 6th International Conference on Frontiers in Computing and Systems COMSYS 2025                             | 25th – 27th September 2025 | Warsaw University of Technology                                                                              | Warsaw, Poland                 | Springer Nature |
| 8      | CryDecoder: A Deep Learning-Based Infant Cry Classification System                                                                                    | Ahmed, Nancy , Sathya, Dr.Shahina Parveen                                                                                            | 6th International Conference on Frontiers in Computing and Systems COMSYS 2025                             | 25th – 27th September 2025 | Warsaw University of Technology                                                                              | Warsaw, Poland                 | Springer Nature |
| 9      | Lung Cancer Diagnosis with Efficient Float16 Quantized SqueezeNet                                                                                     | Abhinav sinha , Rishav Adithya, D J ayanth ,Akshitha T O, Dr. M Shahina Parveen                                                      | 6th International Conference on Frontiers in Computing and Systems COMSYS 2025                             | 25th – 27th September 2025 | Warsaw University of Technology                                                                              | Warsaw, Poland                 | Springer Nature |
| 10     | Edge-AI Enabled Deep Learning Framework for Accelerating Drug Discovery In Colorectal Cancer                                                          | Ghousia Patan and M. Shahina Parveen                                                                                                 | 6th International Conference on Frontiers in Computing and Systems COMSYS 2025                             | 25th – 27th September 2025 | Warsaw University of Technology                                                                              | Warsaw, Poland                 | Springer Nature |
| 11     | AI-Enhanced Cloud-Based Mental Health Support Platform for Students: Integrating Real-Time Mood Tracking, Personalized Interventions, and Interactive | Vinayaka V M, S A Sharan Veronica, Swathi B                                                                                          | 6th International Conference on Frontiers in Computing and Systems COMSYS 2025, Warsaw, Poland             | 25th – 27th September 2025 | Warsaw University of Technology                                                                              | Warsaw, Poland                 | Springer Nature |

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| 12     | Worldcoin Market Analysis Using ETL Pipeline and Time-Series Data                                          | Santosh Jankatti, Junaid Mundichipparakkal, Lokesh J, Danesh H M, Ahemad Talwar, Nivetha NRP               | International Conference on Communication, Computer and Information Technology (IC3IT)                                                          | 24th – 25th October 2025  | Mysuru Royal Institute of Technology                                    | Mandya, Karnataka            | IEEE      |
| 13     | Smart Classroom and Timetable Scheduling System using hybrid graph coloring and cloud optimization         | Bharath B, Sudharshan V, Yashaswini B V, M. Chithambarathanu, Santhosh Kumar J, Prolay Biswas              | Ninth International Conference on Electronics, Communication and Acceptance Technology-2025, RVS Technology campus Coimbatore                   | 5th November 2025         | RVS Technical Campus                                                    | Coimbatore, Tamil Nadu       |           |
| 14     | Enhancing cloud data security against quantum threats Using E91 QRD and Lattice based Encryption           | Dr. M. Shahina Parveen                                                                                     | IEEE International conference on Emerging Engineering Technologies and Applications 2025                                                        | 06th – 08th November 2025 | Medi-Caps University                                                    | Indore, Madhya Pradesh       | IEEE      |
| 15     | Real time public transport tracking for small cities: An IoT and AI-Based Approach                         | Bharath B, Yashaswini B V, Sudharshan V, Nur Alom Talkudar, G. Santhosh, Aniruddha Deka                    | Fifth International conference on Evolutinoary Computing and Mobile Sustainable Networks                                                        | 24th - 26th November 2025 | Hindustan institute of Technology                                       | Coimbatore, Tamil Nadu       | IEEE      |
| 16     | AI-Driven Mortality Risk Classification Using HMIS Data: A Case Study from Nagaon District, Assam, India   | Nur Alom Talukdar<br>Abida Ahmed<br>Jaganathan D<br>Rubul Kr. Bania<br>Deepthi Chamkur V<br>Chayapathi A R | 2025 2nd International Conference on Artificial Intelligence for Innovations in Healthcare Industries (ICAIHHI)                                 | 4th – 5th December 2025   | Shri Shankaracharya Institute of Professional Management and Technology | Raipur, Chhattisgarh         | IEEE      |
| 17     | Smart Farming Using Deep Learning: Detection of Soybean Leaf Disease from UAV-captured Images              | Swarnali Nath, Saroj Kr. Biswas, Sounak Majumdar, Kunal Kumar, Tapodhir Acharjee                           | 2026 International Conference on Emerging Systems and Intelligent Computing (ESIC)                                                              | 7th – 8th February 2026   | KIIT Deemed to be University                                            | Bhubaneswar, Odisha          | IEEE      |
| 18     | XAI-Driven Prediction of Depression: Linking Socio-Economic Status, Demographics, and Expenditure Patterns | Dr. Nur Alom Talukdar<br>Abida Ahmed<br>Yashaswini B V<br>Sudharshan V<br>G Santosh<br>Manoj Kumar N I     | 2nd International Conference on Cognitive Computing in Engineering, Communications, Sciences and Biomedical Health Informatics (IC3ECSBHI'2026) | 12th – 14th February 2026 | Gautam Buddha University                                                | Greater Noida, Uttar Pradesh | IEEE      |

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| 19     | Deep Learning-Based Deblurring of Astronomical Images for Enhanced Celestial Observation     | Danthuluri Sudha<br>Junaid Mundichipparakkal<br>Santosh Kumar J<br>Ramandeep Kaur<br>Vinayaka V M<br>Vanitha M K | 2nd International Conference on Cognitive Computing in Engineering, Communications, Sciences and Biomedical Health Informatics (IC3ECSBHI'2026) | 12th – 14th February 2026 | Gautam Buddha University                                                                   | Greater Noida, Uttar Pradesh   | IEEE      |
| 20     | SHAP-Based Feature Selection for Efficient Malware Classification                            | Ramandeep Kaur, Junaid Mundichipparakkal, Navjot Kaur, Lokesh J,Mr. Ahemad Talwar, Mr. Danesh HM                 | 2nd International Conference on Cognitive Computing in Engineering, Communications, Sciences and Biomedical Health Informatics (IC3ECSBHI)      | 12th – 14th February 2026 | Gautam Buddha University                                                                   | Greater Noida, Uttar Pradesh   | IEEE      |
| 21     | Predictive Analytics for EV Failures and Grid Stability for Smart Cities using ML Algorithms | Pushparaj.H; Deepika Masand; Hemachandra Reddy K; Nagesh B.K; Balagopal Reddy G; G. Sreeramulu Mahesh            | Innovations in Machine, Engineering and Digital (IMED) Conference Jan 2026                                                                      | 6th –7th March 202        | Jesselton University College (Annex Campus)                                                | Kota Kinabalu, Sabah, Malaysia | IEEE      |
| 22     | Deep Learning for Automated Lung Nodule Detection in Low-Dose CT Scans                       | Santosh Reddy P, Geetha L S                                                                                      | 2026 IEEE International Conference on Interdisciplinary Approaches in Technology and Management for Social Innovation (IATMSI)                  | 12th – 14th March 2026    | Atal Bihari Vajpayee Indian Institute of Information Technology and Management (ABV-IIITM) | Gwalior, Madhya Pradesh        | IEEE      |
| 23     | Performance Evaluation of Pre-Trained Networks in Face Recognition                           | Santosh Reddy P, Ashwini R Malipatil                                                                             | 2026 IEEE International Conference on Interdisciplinary Approaches in Technology and Management for Social Innovation (IATMSI)                  | 12th – 14th March 2026    | Atal Bihari Vajpayee Indian Institute of Information Technology and Management (ABV-IIITM) | Gwalior, Madhya Pradesh        | IEEE      |
| 24     | Restructuring Bharath in to Seven Mahajanapadas                                              | Vinayaka V M                                                                                                     | International Academic Conference on " Ekatma Manav Darshan - Bharat's Worldview"                                                               | 25th – 27th March 2026    | Karnataka State Open University (KSOU)                                                     | Mysuru, Karnataka              | -         |

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| 25     | Kolam Patterns as Algorithmic and Topological Structures: Mathematical Modeling, Symmetry Analysis , and Computational Generation   | Dr. Vanitha M K, Dr. Saranya, Muthu Bala N, Bhuvana Mohini, Dr. Deepti C, Dr. Danthuluri Sudha, Dr. srikumar K, Dr. Santosh Kumar J | International Academic Conference on " Ekatma Manav Darshan - Bharat's Worldview"                   | 25th – 27th March 2026 | Karnataka State Open University (KSOU)                    | Mysuru, Karnataka | -               |
| 26     | Bone Fracture Detection in X-ray: A Comparative Evaluation of YOLOv8 Variants                                                       | Dudi Gnana Prasoon, Zeenathunnisa, Yamuna V, Pushyami B, Ramandeep Kaur, Navjot Kaur                                                | 11th International Conference on Information and Communication Technology for Intelligent Systems   | 9th – 11th April 2026  | ICTIS 2026 Organizing Committee                           | Bangkok, Thailand | Springer Nature |
| 27     | Adaptive Quantum-Integrated Access Control Mechanism for Protecting LoRaWAN against Emerging Quantum Threats                        | M Shahina Parveen                                                                                                                   | 6 <sup>th</sup> International Conference on Pervasive Computing and Social Networking (ICPCSN-2026) | 6th – 8th May 2026     | R P Sarathy Institute of Technology (Autonomous)          | Salem, Tamil Nadu | IEEE            |
| 28     | A CNN Model for Soybean Leaf Disease Prediction Treating Class Imbalance Problem using Diffusion Model: A Smart Farming Application | Swarnali Nath, Saroj Kr. Biswas, Kunal Kumar, Deeksha Tripathi, Sounak Majumdar                                                     | Fourth International Conference on Secure Cyber Computing and Communications                        | 29th – 31st May 2026   | Dr. B. R. Ambedkar National Institute of Technology (NIT) | Jalandhar, Punjab | IEEE            |
| 29     | Effective Crop Yield Prediction Leveraging Missing Value Imputation: A Comparative Study                                            | Sukanya Saha, Saroj Kr. Biswas, Sounak Majumdar, Rakesh Kr. Mandal                                                                  | Fourth International Conference on Secure Cyber Computing and Communications                        | 29th – 31st May 2026   | Dr. B. R. Ambedkar National Institute of Technology (NIT) | Jalandhar, Punjab | IEEE            |
| 30     | Coronary Artery Disease Prediction Using Machine Learning Model                                                                     | Muthu Bala N, Dr. Vanitha M K, Yashaswini B V, Arpita Paria, Saad Ahmed Khan, Jeeva S                                               | International Conference on Secure and Trustworthy Artificial Intelligence Systems (ICSTAIS 2026)   | 12th – 13th June 2026  | Chandigarh University                                     | Mohali, Punjab    | Nova Science    |
| 31     | A Hybrid Transformer CNN Framework for Cross Camera Person Re-Identificatoin using Arithmetic Optimization                          | Prabhakar M, Aruna Kumara B                                                                                                         | International Conference on Secure and Trustworthy Artificial Intelligence Systems (ICSTAIS 2026)   | 12th – 13th June 2026  | Chandigarh University                                     | Mohali, Punjab    | Nova Science    |