

International Conference on Computational Intelligence & Autonomous Systems 2025

(ICIAS-2025)

Organized by

Faculty of Computing & Informatics

Sir Padampat Singhania University

Oct. 09 – 10, 2025

Paper Presentation Schedule

DAY 1: Oct. 09, 2025 (Thursday)			
Technical Sessions-01			
1400 hrs.-1800 hrs.	Parallel Session-I		
Session Chair: Dr. Avinash Panwar			
Track Chairs: Dr. Anand Bhaskar, Dr. Chandrashekhar Goswami, Dr. Chandani Joshi			
Paper Presentation			
Venue: LT-02			
Online Link: International Conference on Computational Intelligence and Autonomous Systems (ICIAS 2025) (LT-2) Meeting-Join Microsoft Teams			
1400 hrs. – 1430 hrs	Keynote Address		Dr. Abhishek Kaushik Department of Computing Science and Mathematics Dundalk Institute of Technology, Ireland
S. No.	Paper Title	Author(s)	Affiliation
1(ID-220)	Electroencephalography (EEG) analysis for epileptic seizure identification is still a major challenge in biomedical signal processing and neurology. Strong, precise, and broadly applicable sei	Aakanksha Joshi, Dr. Chandani Joshi, Dr. Chandrashekhar Goswami, Dr. Ashutosh Gupta, Dr. Arvind Sharma	Sir Padampat Singhania University, Udaipur
2(ID-221)	TransformoDocs: A Comprehensive System for Automated Document Conversion and Semantic Retrieval Using Advanced OCR and Vector-Based Embedding Techniques	Devarsya Purveshbhai Shah, Ashwini Patil, Archana Magare	GSFC University, Vigyan Bhavan, Vadodara, Gujarat
3(ID-263)	Fostering Smart Learning Ecosystems Through AI: A Model for Transforming Higher Education in the Udaipur Belt	Satyendra Chhipa, Manju Mandot	Janardan Rai Nagar Rajasthan Vidyapeeth, Udaipur
4(ID-296)	Low-cost SHM system using MEMS-based sensors for real-time performance monitoring	Mukund Chand, Karthik Dasari	National Institute of Technology, Srinagar
5(ID-297/312)	Quantum-Inspired Tom and Jerry(QITNJ) Optimization: A Breakthrough Metaheuristic for Ultra-Accurate Heart Disease Prediction.	Amit Yadav, Dr Arun Vaishnav, Prof (Dr.) Prasun Chakrabarti	Sir Padampat Singhania University, Udaipur, Rajasthan, India
6(ID-88)	Optimizing Battery Energy Arbitrage: A Deep Reinforcement Learning Approach with Hybrid CNN-LSTM Price Forecasting	¹ Dr. Rahul Kumar, ² Dr. Ashok Kumar, ² Dr. Jhankar Moolchandani, ¹ Mr. Ashish Sen, ³ Mr. Raj Sinha	¹ Sir Padampat Singhania University, Udaipur, ² Amity School of Engineering and Technology, Amity University Madhya Pradesh, Gwalior, India. ³ Parul

			University, Vadodara,Gujarat ,India
7(ID-97)	A Hybrid Deep Learning Approach for Efficient Classification of Plant Leaf Diseases	Nasim Banu Anwar Ali Shah, Dr. Ashutosh Gupta, Dr. Chandrashekhar Goswami, Dr. D S Chouhan	Sir Padampat Singhania University Udaipur, Rajasthan, India
8(ID-124)	A Review on Tomato Plant Disease Detection Using Deep Learning: Trends, Challenges, and Future Prospects	Adnan Pipawala, Dr. Amit Kumar Goel Dr. Arun Vaishnav,	Sir Padampat Singhania University, Udaipur, Rajasthan
9(ID-178)	Multimodal Visual Sentiment Analysis: Integrating Image And Text Features Through Deep Fusion And Classifier Ensemble	Atul Haribhau Kachare, Dr. Chandrashekhar Goswami, Dr. Ashutosh Gupta, Lt. (Dr.) D S Chouhan	Sir Padampat Singhania University, Udaipur, Rajasthan
10(ID-199)	Deep Neural Network-Based Framework for Lung Carcinoma Detection: A Medical Imaging Perspective	Garima Jain, Prof. (Dr.) Amit Kumar Goel, Dr. Rahul Kumar	Sir Padampat Singhania University, Udaipur, Rajasthan
11(ID-306)	A Review Of Anomaly Detection Techniques Securing TCP, UDP, and ICMP Protocols in network	Chandan Sahebrao Wagh, Dr Chandrashekhar Goswami, Prof (Dr.) Prasun Chakrabarti	Sir Padampat Singhania University, Udaipur, Rajasthan
12(ID-120)	Safeguarding IIoT Against Machine Learning-Driven False Data Injection Attacks	¹ Brajesh Kumar ² Sharma Pramod Kumar, ¹ Manuj Joshi, ¹ Manish Tiwari, ³ Gurpreet Singh, ³ Ashwani Sharma	¹ Sir Padampat Singhania University,Udaipur; ² GL Bajaj Group of Institutions, Mathura; ³ Amity School of Engineering and Technology, Amity University, Punjab;
1600 hrs.-1630 hrs.	Keynote Address		Prof. (Dr.) Noor Zaman Professor in Computer Science, Taylor's University Malaysia
13(ID-158)	A Journey Through the Evolution of Cryptography from Caesar's Cipher to Quantum Keys	Amitabha Yadav	Department of Software National PG College Lucknow, India
14(ID-142)	Cost Impact of Post-Quantum Cryptography in Blockchain-Based Cloud Computing for Securing Data	¹ Neethu V A, ² Arun Vaishnav, ³ Arun Chandran, ² Manish Tiwari, ² Priyanka Sisodia	¹ Trinity College of Engineering , ² Sir Padampat Singhania University, Udaipur, ³ Mechanical Maintenance, Modern Insulators Ltd, Abu Road.
15(ID-275)	Video Summarization Techniques: A Comprehensive Review	¹ Charu Kavadia, ² Dr. Ashutosh Gupta, ² Prof. Prasun Chakrabarti, ² Dr. Yashoverdhan Vyas	¹ Geetanjali Institute of Technical Studies, Udaipur, India ² Sir Padampat Singhania University, Udaipur
16(ID-311)	Hybrid Cardiovascular Diagnostics: A Hierarchical Multi-Modal Multi-Task Learning Model with AI Feature Extraction	¹ Pallavi Purohit, ² Chin-Shiuh Shieh, ³ Chandrashekhar Goswami, ³ Amit Kumar Goel	¹ CTAE, Udaipur, India Research Institute of IoT Cybersecurity, ² Department of Electronic Engineering, National Kaohsiung University of Science and Technology, Taiwan ³ Sir Padampat Singhania University, Udaipur, India
17(ID-255)	Urban Traffic Crash Risk and Its Impact on Mode Choice in Mumbai Using Safety Performance Functions: A Systematic Review	¹ Trupti Narkhede, ² Lokesh Gupta, ² Prasun Chakrabarti, ² Arvind Sharma	¹ MGM College of Engineering and Technology, Navi Mumbai, India ² Sir Padampat Singhania

			University, Udaipur, India
18(ID-160)	An optimization study on nonlinear SMA-SDOF system as a sustainable damping device for blast induced ground motion	¹ Dr. Rohan Majumder, ¹ Sameer Patel, ² Budhaditya De	¹ Adani University, Ahmedabad, India ² University of California, Los Angeles (UCLA), USA
19(ID-180)	Critical Comparative Analysis of Machine Learning Models for Crop Yield Prediction in Smart Agriculture	Govind Patel, Manish Patel	Sankalchand Patel College of Engineering, Mehsana, Gujrat, India
20(ID-293)	Comparative advantages of one-part over two-part geopolymers concrete - A brief review	¹ Vishal Manghnani, ² Dr. Avinash Ojha, ³ Dr. Unnati Agrawal	¹ Nathdwara Institute of Engineering & Technology, Nathdwara, India, ² Sir Padampat Singhania University, Udaipur, India ³ School of Construction, NICMAR University, Pune

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Paper Presentation Schedule

DAY 1: Oct. 09, 2025 (Thursday)			
Technical Sessions-02			
1400 hrs.-1800 hrs.	Parallel Session-II		
Session Chair: Dr. Chetan Chaudhary Track Chairs: Dr. Ashutosh Gupta, Dr. Rahul Kumar			
Paper Presentation			
Venue: LT-01			
Online Link: International Conference on Computational Intelligence and Autonomous Systems (ICIAS 2025) (LT-1) Meeting-Join Microsoft Teams			
S. No.	Paper Title	Author(s)	Affiliation
1(ID-39)	An Integrated Approach to Social Media Content Optimization Using NLP and Computer Vision	Aditya Ningule, Dr. Dhananjay Kalbande, Nitesh Rathod, Manav Padwal	Sardar Patel Institute of Technology, Mumbai, Maharashtra, India
2(ID-67)	Drowsiness Detection and Alert system from live video streaming using ML	Shreyas Kumbhar, Amogh Sonar, Ankita Jamdade, Aryan Koul	All India Shri Shivaji Memorial Society’s Institute of Information Technology, Pune, Maharashtra, India
3(ID-68)	Multimodal Regional Language Video Summarisation Tool	Rohit Utekar, Kartik Yeole, Shivang Thigale, Vedanti Patil, Prof. Reshma Totare	AISSMS Institute of Information Technology, Pune, Maharashtra, India
4(ID-69)	Aarogya: An Ayurvedic Healthcare Solution	Rashmi, Tamal Dey	PES University, Bengaluru, Karnataka, India
5(ID-82)	Enhancement of Breast Cancer Research Outcomes through Inclusive Data – A Comprehensive Investigation	Dr. T. Amudha, S. Jijitha, Dr. J. Satheeshkumar	Bharathiar University, Coimbatore -46, Tamil Nadu, India
6(ID-83)	Quantifying Emotional Brain Dynamics with Entropy Measures - An EEG Based Classification	T. Amudha, K.M. Dhanushiga, J. Satheeshkumar	Bharathiar University, Coimbatore -46, Tamil Nadu, India
7(ID-87)	An Efficient Deep Learning Framework for Analysis and Classification of PET/CT Lung Cancer Images	Dr. T. Amudha, Dr. J. Satheeshkumar, Subhiksha R Mallya, S. Jijitha	Bharathiar University, Coimbatore -46, Tamil Nadu, India

8(ID-95)	Enhancing text summarization and sentiment classification using transformer based large language models(LLM's)	¹ Swathi Lenka, ² Dr.Balajee Maram, ² Pramoda Patro	¹ GMR Institute of Technology, Rajam. ² SR University, Warangal, Telangana, India
9(ID-100)	Personalize Diabetes Risk Predictor Using Machine Learning	¹ Ashutosh Kulkarni, ¹ Krushna Kodgirwar, ² Nitin Sakhare, ¹ Pranav Rana, ¹ Harshad Diwate, ¹ Hariom Indrale	¹ Department of Engineering, Sciences and Humanities (DESH). ² Department of Computer Engineering Vishwakarma Institute of Technology, Pune, Maharashtra, India
10(ID-118)	Multimodal detection of unsafe practices on construction sites using CNN and social models	¹ Dr. Tapan Nahar, ¹ Namra Ravani, ¹ Devan Bhensdadiya, ¹ M. Hamid M. ² Ali, Chirag Joshi, ¹ Vijay Dubey, ¹ Chandrasinh Parmar	¹ Department of Information and Communication Technology, Marwadi University, Rajkot. ² Department of Data Science and Engineering, Manipal University Jaipur, Jaipur, India
11(ID-127)	Enhancing GPSR with Trust Evaluation and Mobility Prediction for Reliable Routing in High-Density Flying Ad Hoc Networks	Dr. Ghanshyam Prasad Dubey, Raju Singh	Department of CSE, ASET, Amity University Madhya Pradesh (AUMP) Gwalior, India
12(ID-137)	Tooth Segmentation and Detection using U-Net and Attention-based U-Net Technique	¹ Nitin Rathore, ² Margi Patel, ³ Upendra Singh, ¹ Sunil Gautam, ¹ Sanjay Patel, ¹ Ramesh Ram Naik	¹ Nirma University, Ahmedabad, India ² IIST, Indore, India ³ SGSITS, Indore
13(ID-149)	Advancements in Brain-Computer Interfaces Through Artificial Intelligence: A Review	¹ Bhavpreet Kaur, ¹ Tarandeep Kaur Bhatia, ² Vinod Kumar Shukla, ¹ Diya Agnihotri, ¹ Disha Garg	¹ Amity School of Engineering and Technology, Amity University Punjab, Mohali, India ² School of Engineering Architecture Interior Design, Amity University Dubai, United Arab Emirate
14(ID-154)	IRIS, Face And Fingerprint Spoofing Detection Using Arduino and MATLAB	M.Hema, K M Abdul Kalam, Niranjan S	Department of Information Technology, Easwari Engineering College, Chennai, Tamil Nadu, India
15(ID-155)	Lung Sound Investigation by Diverged Frequency-depending Strategy	¹ Ohmshankar S. Bharath, ¹ Dr.G.Sudhagar, ² Dr Hema.M	¹ Bharath Institute of Higher Education and Research Chennai, India. ² Easwari Engineering College Chennai,India
16(ID-157)	Detecting Financial Fraud Anomalies Using Machine Learning Techniques	Utkarsh Anand, Raj Karan Singh, Yashi Singh, Keshav Gupta	Sharda University Greater Noida, India
17(ID-164)	A Survey on Skin Conditions and Their Treatments: A Review of Recent Medical Advances	¹ Aruna Vipparla,, ² Dr. M.H.M Krishna Prasad, ³ Dr. Suneetha Davuluri	¹ Jawaharlal Nehru Technological University, Kakinada, Andhra Pradesh, India ² University College of Engineering, Kakinada, India ³ NRI Institute Of Technology, Vijayawada, India
18(ID-172)	A Comprehensive Survey on Deep Learning Approaches for Diabetic Foot Ulcer Assessment	Talasila Veena, Babu Reddy Mukkamalla	Krishna University, Machilipatnam, Andhra Pradesh, India

19(ID-174)	Deep Learning Based Classification of Handwritten Mathematical Symbols	Anoop Kumar Tiwari, Pratik Yadav	Central University of Haryana, India
20(ID-176)	Leveraging Machine Learning Techniques for Efficient Credit Card Fraud Detection	Aida Jones, Sudha D, Muskan P, Neha Singh	Department of AI&DS, KCG College of Technology, Chennai, India
21(ID-189)	Efficient Lung Sound Diagnosis Multi-Feature Integration in a Lightweight CNN Model	¹ Ohmshankar S, ¹ Dr G.Sudhagar, ² Dr Hema.M	¹ Bharath Institute of Higher Education and Research Chennai, India. ² Easwari Engineering College, Chennai, India

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Paper Presentation Schedule

DAY 1: Oct. 09, 2025 (Thursday)			
Technical Sessions-03			
1400 hrs.-1800 hrs.	Parallel Session-III		
Session Chair: Prof. (Dr.) Sanjeev Punia Track Chairs: Dr. Tulika Chakrabarti, Mr. Brajesh Kumar Sharma			
Paper Presentation			
Venue: LT-03			
Online Link: International Conference on Computational Intelligence and Autonomous Systems (ICIAS 2025) (LT3) Meeting-Join Microsoft Teams			
S. No.	Paper Title	Author(s)	Affiliation
1(ID-59)	Varnika - Vernacular Air-Writing Interpreter	Dr. Kiran Bhowmick, Tanay Dave, Vaishnavi Padiya, Medha Shah, Vatsal Shah	Dwarkadas J Sanghvi College of Engineering, Mumbai, Maharashtra, India
2(ID-63)	Disease Detection in Tomato Leaf: Review and Analysis of Recent Technologies	Vishakha Sehdev Verma, Richa Vats	Bhagwan Parshuram Institute of technology, Delhi, India
3(ID-163)	Implementation of Synthetic Minority Over Sampling Technique for better Prediction of Cardiovascular Disease using Machine Learning	Swati S. Khandalkar, Shweta M. Barhate	RTM Nagpur University, Nagpur, India
4(ID-165)	Using Generative AI Intelligence to Support Blind or Visually Impaired People: Managing Textual Concerns	Dr. Archana B Saxena, Dr. Deepti Sharma, Dr. Deepshikha Aggarwal	Jagan Institute of Management Studies, Rohini, New Delhi, India
5(ID-187)	Multi-Objective Optimization with Explainability: A Novel XAI-Driven Metaheuristic (XAI-MO) Framework	¹ Atul Kumar Gupta, ² Tarun Pare, ³ Shivangee Nagar , ¹ Priyank Dubey, ³ Divya Jain	¹ Amity University, Gwalior, India ² L&T EduTech, ³ College Dekho
6(ID-202)	Identification and Classification of Key Genes Involved in Paclitaxel Resistance in Breast Cancer: A Comparative Clustering Analysis	Viswa Prahlad Velicharla, Jyothirmai D	B V Raju Institute of Technology, Narsapur, India

7(ID-225)	The Creative Cost of Generative AI (GAI): The Dark Side of Technological Progression	Deepika Soni	Dr. Ambedkar Institute of Management Studies and Research, Nagpur, Maharashtra, India
8(ID-243)	Attention-Based BiGRU for Explainable Clickbait Detection with Focal Loss and Domain-Tuned Embeddings	Viswa Prahlad Velicharla, Vadla Nithish Chary, Abhishek Rathod N	B V Raju Institute of Technology, Narsapur, India
9(ID-244)	Enhancing Museum Accessibility in India: A Comprehensive Web Platform for Customized Visitor Experiences	Abhishek Kumar Sharma, Ujjwal Kumar Gupta, Manpreet Singh Sehgal	Lovely Professional University, Phagwara, Punjab, India
10(ID-251)	Digital Connectivity and Economic Growth: An Indian Perspective	Biswajit Sarangi, Prof. Kabita Kumari Sahu	Maharaja Sriram Chandra Bhanja Deo University, Baripada, Orissa, India
11(ID-280)	Artificial Intelligence in Computational Design: A New Frontier for Creative Automation	¹ Divyani Sen Sen, ² Bharat Singh Deora, ³ Amit Sen	¹ Mohan Lal Sukhadia University, Udaipur, India ² Janardan Rai Nagar Rajasthan Vidyapeeth, Udaipur, India ³ Studio Incrocio, Udaipur, India
12(ID-295)	Prevalence and Risk Factors of Diabetic Neuropathy: A Survey-Based Study in the Haryana Region	Isha Jain, Rani Mansuri, Amisha Vyas, Manpreet Singh Sehgal, Anupama Diwan	Apeejay Styra University, Gurugram, Haryana, India
13(ID-309)	Hybrid Undersampling and Oversampling for Handling Imbalanced Credit Card Data	Shashipurna Kurapati	The University of Texas at Dallas
14(ID-81)	A Data-Driven Approach to Predict Soybean Leaf Diseases Using IoT Sensor Networks	¹ Ravindra Yadav, ¹ Dr. Anita Seth, ² Dr. Savita Kolhe, ² Dr. Sanjeev Kumar, ² Dr. B U Dupare, ² Makhan Kumbhkar	¹ Institute of Engineering and Technology, Devi Ahilya Vishwavidyalaya, Indore, India ² ICAR, Indore, India
15(ID-129)	A Digital Ledger for Secure and Decentralized Access to Medical Records	¹ Vishan Kumar Gupta, ¹ Harpreet Singh Gandhi, ¹ Jovan Kooner, ¹ Shubhani Aggarwal, ² Paras Jain, ³ Avdhesh Gupta	¹ ASET, Amity University, Mohali Punjab, India ² VIT Bhopal University, Sehore, MP, India ³ Ajay Kumar Garg Engineering College, Ghaziabad, UP, India
16(ID-150)	Securing AI Systems: A Cross-Domain Perspective on Adversarial Vulnerabilities and Solutions	¹ Disha Garg, ¹ Tarandeep Kaur Bhatia, ² Vinod Kumar Shukla, ¹ Sarthak Kaushal, ¹ Bhavpreet Kaur	¹ ASET, Amity University, Mohali Punjab, India ² School of Engineering Architecture Interior Design, Amity University, Dubai, United Arab Emirates
17(ID-208)	IoT-Enabled Intravenous Therapy System: Flow Control, Backflow Prevention, and Automated Alerts	A G Aditya Singh, Namratha R, Sanjana B H, Prathijna U, Prof. Sharmila Chidaravalli, Dr. Vimuktha E Salis	Information Science and Engineering, Global Academy of Technology, Rajarajeshwari Nagar, Bengaluru, India
18(ID-273)	Leveraging Big Data Infrastructure for Deep Learning Applications	Vijay Singh Thakur, Poonam Singh Thakur, Gaurav Kumar Pandey, Diwakar Shrivastava	Computer Science and Engineering, Hindustan College of Science & Technology, Mathura, India

19(ID-300)	An Industrial IoT Security Intrusion Detection Model Based on Ensemble Learning Employing Voting and Stacking Classifiers	Mohanraju Muppala	Synergy Nordic Shipmanagement, Mumbai, India
20(ID-261)	An Application for Explainable Multimodal Misogyny Detection in code-mixed Hindi-English	Sargam Yadava, Abhishek Kaushik, Kevin Mc Daide	Dundalk Institute of Technology, Dundalk, Ireland

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Paper Presentation Schedule

DAY 1: Oct. 09, 2025 (Thursday)			
Technical Sessions-04			
1400 hrs.-1800 hrs.	Parallel Session-IV		
Session Chair: Dr. Bharat Singh Deora			
Track Chairs: Mr. Dipesh Vaya, Dr. Kamal Hiren			
Paper Presentation			
Venue: Conference Hall			
Online Link: International Conference on Computational Intelligence and Autonomous Systems (ICIAS 2025) (Conference Room) Meeting-Join Microsoft Teams			
S. No.	Paper Title	Author(s)	Affiliation
1(ID-17)	Multi-Domain Machine Learning Framework for Real-Time Depression Risk Screening	¹ Rashmi Adatkar, ² Dr. Anand Bhaskar	¹ K. J. Somaiya Institute of Technology, Mumbai, Maharashtra, India ² Sir Padampat Singhania University, Udaipur, India
2(ID-86)	Biometric Authentication and Smart Helmet System for Preventing Underage Driving and Ensuring Safety	Vaishnavi Damkondwar, Apoorva Agade, Kalash Kinhekar, Shivani Upganlawar, Bhavika Nikhare, Gauri Bhoyar	Yeshwantrao Chavan College of Engineering, Nagpur, Maharashtra, India
3(ID-99)	Tesseract OCR on a Raspberry Pi 4 for Multilingual Text Recognition	Dr. Rajanishree M, Dr. Swetha M, Amrutha G, Kavya S	BNM Institute of Technology, Bengaluru, Karnataka, India
4(ID-117)	Machine Learning Based Number Plate Detection and Recognition	Poornima B Kulkarni, Dr. A. M. Pujar	Walchand Institute of Technology, Solapur, India
5(ID-135)	Tomato Leaf Detection Using Hybrid of CNN and Dragon-fly	Law Kumar Singh, Rajsimar Singh	Amity University, Punjab, India
6(ID-136)	Sukoon: An AI-Driven Therapeutic Chatbot and Research Framework for Mental Health Support	Mohd Hashir, Ayaz Ahmad, Ashish Kumar Mahato, Sheenam Naaz, Manju verma	Department of Computer Science and Engineering, SSCSE, Sharda University, Uttar Pradesh, India
7(ID-138)	Harnessing IoT Data at Scale: Toward Smarter Cities	Arun Kumar Singh Retik Kumar Singh	TCS, Pune, India
8(ID-147)	Torque Ripple Sources and Suppression Techniques in BLDC Motors for EV	Rajiv Vyas, Dr. Nandkishor Gupta, Dr. Manoj Gupta	Poornima University, Jaipur, India

	Applications A Systematic Review		
9(ID-161)	Computational Intelligence Applications in Electric Vehicles A Comparative Review of AI-Driven Optimization Strategies	Rajiv Vyas, Dr. Nandkishor Gupta, Dr. Manoj Gupta	Poornima University, Jaipur, India
10(ID-175)	Real-Time Deep Learning Speech Recognition For Human-Computer Interaction	Vishal Chahar, R K Sharma	Faculty of Computer Science and Engineering, Agra College, Agra, India
11(ID-190)	A Hybrid Deep Learning Approach for Intelligent Intrusion Detection	Sunil Gautam, Khushi Vasava, Vraj Patel	Department of Computer Science & Engineering, Nirma University, Ahmedabad, India
12(ID-191)	Cerebral Tumor Classification Using Deep Learning With Vision Transformer	Swathi Yalavarthy, Hemalatha M, Poojitha J, Bhavani T, Sirisha K	Vignan's Nirula Institute of Technology & Science for Women, Guntur
13(ID-193)	Mother-Inspired Adaptive Optimisation (MIAO) for WSN: An Optimal Cluster Head Selection Method	¹ Minal Jain, ¹ Dr. Khushbu, ² Dr. Arun Vaishnav	¹ Madhav University, Abu Road, Pindwara, Rajasthan, India ² Sir Padampat Singhania University, Udaipur, India
14(ID-195)	Multi-Label Deep Learning Framework for Smart Grid Environments to Identify False Data Injection Attacks	¹ Prakyath D, ¹ M J Chandrashekar, ¹ Mohan B S, ¹ Kubera U, ² Mahesh K, ¹ Sandeep S R	¹ SJB Institute of Technology, Bengaluru, India ² Sir M Visvesvaraya Institute of Technology, Bengaluru, India
15(ID-258)	AI-Powered Robo-Advisors: Enhancing Financial Inclusion and Investor Decision-Making in Emerging Markets	¹ Anurag Shukla, ¹ Anubhav Singh, ² Dipesh Vaya, ³ Brijendra Pratap Singh	¹ Alliance University, Bengaluru ² Sir Padampat Singhania University, Udaipur, India ³ Graphic Era Hill University, Dehradun, India
16(ID-266)	Privacy-Preserving EHR Systems: Blockchain with Self-Sovereign Identity and ZKPs	Ramesh R. Naik, Shiv Dixit, Harsh Ahalpara, Sunil Gautam, Nitin Rathore, Akash Bhasney	Dept of Computer Science and Engineering Nirma University Ahmedabad, India
17(ID-284)	Mapping the Intellectual Landscape of Robo-Advisory: A Bibliometric Analysis of Global Research Trends (2000–2025)	Manu Sharma, Anubhav Singh Gangwar, Anurag Shukla	Alliance University, Bengaluru, India
18(ID-288)	An Intelligent Prognosis of Breast Cancer using Machine Learning Algorithms	¹ Anil Khatak, ² Roobal Yadav, ³ Sheenam Naaz, ³ Ashu Goyal	¹ Department of Allied Health Sciences, Guru Jambheshwar University of Science and Technology, Hisar, India ² School of Computer Science and Engineering, Galgotias University, Greater Noida, India ³ Department of Computer Science and Engineering, SSCSE, Sharda University, Greater Noida, India
19(ID-246)	Evaluating the Utility of Synthetic Image Generation for Medical AI: A Review	Israa Atike, Asifa Qureshi, Abhishek Kaushik	Dundalk Institute of Technology, Dundalk, Ireland

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Keynote Address Schedule

DAY 2: Oct. 10, 2025 (Friday)		
Technical Sessions-05		
0930 hrs.-1730 hrs.	Parallel Session-I	
Chairs: Dr. Amit Kumar Goel, Dr. Anand Bhaskar, Dr. Chandrashekhar Goswami		
Keynote Address		
Venue: LT-02		
Online Link: : International Conference on Computational Intelligence and Autonomous Systems (ICIAS 2025) (LT-2) Meeting-Join Microsoft Teams		
0930 hrs.-1000 hrs.	Keynote Address	Dr. Sayani Sarkar Bellarmine University, Pasteur Hall Louisville, Kentucky
1000 hrs.-1030 hrs.	Keynote Address	Dr. Kavi Kumar Jacob University Tun Hussein Onn, Malaysia
1030 hrs.-1100 hrs.	Keynote Address	Dr. Srinivas S. Pulugurtha Chair & Professor of Civil Engineering, The University of Mississippi, United States
1100 hrs.-1130 hrs.	Keynote Address	Ms. Vivian Isabella Seshie Department of Environmental and Safety Engineering, University of Mines and Technology, Tarkwa, Ghana
1130 hrs.	Tea Break and Networking	
1200 hrs. – 1300 hrs.	Valedictory Session	
1300 hrs. – 1400 hrs.	Lunch Break	
1400 hrs. – 1430 hrs.	Keynote Address	Prof. Bhuvanesh Unhelkar Professor, Information Technology, School of Information Systems and Management, Muma College of Business in Sarasota-Manatee Campus, University of South Florida, Florida, USA
1430 hrs. – 1500 hrs.	Keynote Address	Dr. Sivaneasan Bala Krishnan Professor, Engineering Cluster Singapore Institute of Technology, Singapore

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Paper Presentation Schedule

DAY 2: Oct. 10, 2025 (Friday)			
Technical Sessions-06			
0930 hrs.-1730 hrs.	Parallel Session-II		
Session Chair: Dr. Manju Mandot Track Chairs: Dr. Prithvi Singh, Dr. Kamalkant Hiren, Dr. Manuj Joshi			
Paper Presentation			
Venue: LT-01			
Online Link: International Conference on Computational Intelligence and Autonomous Systems (ICIAS 2025) (LT-1) Meeting-Join Microsoft Teams			
S. No.	Paper Title	Author(s)	Affiliation
1(ID-265)	A Comprehensive Security Analysis of Hybrid Cryptosystems for Enterprise Networks	Alok Kumar, Utsav Upadhyay, Nishi Madaan, Rahul Malik	School of Computer Science and Engineering, Galgotias University, Greater Noida, Uttar Pradesh, India.
2(ID-130)	Automated code review with artificial intelligence enhancing code quality and development efficiency	Kavya B K	Jain University, Bangalore
3(ID-179)	Towards a HIPAA-Compliant Cloud-Based Healthcare System: A Scalable and Secure AI-Driven	Shivam Tyagi , Amit Kumar Goyal, Deepti Sharma	Chandigarh University, Mohali, Punjab, India
4(ID-185)	Enhancing the Software Bug Prediction using CatBoost	Swathi Yalavarthy, Yogitha Jammula, Sai Deepthi Cherukupalli, Naga Ahalya Kondavardhi, Krishnasree Yedukondala	Department of CSE, Vignan’s Nirula Institute of Technology and Science for Women Peda Palakaluru, Guntur, India
5(ID-32)	Implications Of Virtual Classrooms & Ai Tutors: Towards Achieving Quality Education	Kamalesh Chawda	Centurion University of Technology and Management, Bhubaneswar, India
6(ID-92)	A Survey on Brain Tumor Diagnosis System with a Personalized Medical Assistance Chatbot	Pooja Panapana	GMR Institute of Technology (GMRIT), Andhra Pradesh, India

7(ID-140)	Revolutionizing Dyscalculia Education by Exploring a Cloud Based Framework	Sohini Banerjee, Shweta Barhate	Rashtrasant Tukadoji Maharaj Nagpur University(RTMNU), Nagpur, India
8(ID-152)	Educational Technology Distractions: Impact of Smartphone Addiction on Academic Performance and its mental health effects among Engineering Students from Universities in Thanjavur District: A Bayesian Algorithm Approach	¹ Dr Sureshkrishna Gopalakrishnan, ² Anand Gnana Selvam	¹ Hindustan College of Arts & Science, Padur, Chennai, India ² Periyar Maniammai Institute of Science & Technology, Vallam, Tamil Nadu, India
9(ID-153)	Optimizing Peer-to-Peer Knowledge Exchange Through Adaptive Academic Content Structuring and Discovery	¹ Bharath S, ¹ Louis Anthony Vincy, ¹ Divya James, ¹ Nikhila T. Bhuvan, ² Anju Susan George, ² Suvvari Hitesh Karvil	¹ Rajagiri School of Engineering & Technology, Kakkanad, India ² Manipal University, Jaipur
10(ID-234)	The Paradigm Shift from Traditional Pedagogy to AI-Mediated Learning: A Systematic Investigation of Chatbot Integration in Educational Environments	¹ Havisha Vaghjee, ² Gounshali Vaghjee	¹ University of Technology Mauritius ² Curtin Mauritius
11(ID-276)	A Decade of Progress in Real-Time Vision Systems: The YOLO family and the Development of YOLOv12	Jyoti Chauhan, Kalpana Jain, Kaustub Dutt Pandey	College of Technology and Engineering, Udaipur, India
12(ID-278)	AI-Driven Augmented and Virtual Reality Based on Emotional Intelligence in Human-AI Collaboration	Bhavna Galhotra	Jagan Institute of Management Studies, Rohini, New Delhi, India
13(ID-321)	Deep Learning Framework for Pathogen-Driven Tomato Disease Forecasting: A Comparative Study of CNN Models	Prachi Mehta, Kalpana Jain	College of Technology and Engineering, Udaipur, India
1200 hrs. – 1300 hrs.	Valedictory Session (Venue-LT-02 International Conference on Computational Intelligence and Autonomous Systems (ICIAS 2025) (LT-2) Meeting-Join Microsoft Teams)		
1300 hrs. – 1400 hrs.	Lunch Break		

International Conference on Computational Intelligence & Autonomous Systems 2025

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Oct. 09 – 10, 2025

Paper Presentation Schedule

DAY 2: Oct. 10, 2025 (Friday)			
Technical Sessions-07			
0930 hrs.-1730 hrs.	Parallel Session-III		
Session Chair: Dr. Rohan Majumdar Track Chairs: Dr. Manish Dhadhich, Dr. Avinash Ojha			
Paper Presentation			
Venue: LT-03			
Online Link: : International Conference on Computational Intelligence and Autonomous Systems (ICIAS 2025) (LT3) Meeting-Join Microsoft Teams			
S. No.	Paper Title	Author(s)	Affiliation
1(ID-104)	Accounting for Business Transactions in Electronic Money and Digital Currencies	Natalia Kurhan Olha Fartushniak	Simon Kuznets Kharkiv National University of Economics, Kharkiv, Ukraine
2(ID-121)	Does Perceived Financial Risk Affect the Adoption of Buy Now, Pay Later Technology among Gen Z?	Munish Gupta Amita Chaudhary	University School of Business, Chandigarh University
3(ID-247)	A Conceptual Framework for Analysing the Moderating and Mediating Role of AI in the Corporate Governance–Executive Compensation Relationship	Neha Aggarwal, Dr. Kriti Bhaswar Singh	Department of Commerce and Financial Studies Central University of Jharkhand
4(ID-248)	E-Commerce Analytics using Business Intelligence in India: A Systematic Literature Review	Geeta Sharma, Priyanka Gandhi, Praveen Arora	Jagan Institute of Management Studies, Rohini, Delhi
5(ID-188)	Study of Human Capital Valuation Models Implemented in Selected Automobile Companies with Reference to Pune District	¹ Pravin Laxman Thorat ² Dr. Ranpreet Kaur	¹ Matrix School of Management Studies, Pune, Maharashtra, India ² IMED, Pune. Maharashtra, India
6(ID-267)	Comparing the Effect of Automated Vehicles on the Safety of Unconventional	¹ Chirag Akbari, ² Srinivas S. Pulugurtha,	¹ The University of North Carolina at Charlotte, University City Boulevard, Charlotte, NC 28223-0001, USA

	Intersection Designs Compared to Conventional Intersections		
7(ID-268)	Travel Time Reliability and Variability Before, During and After the COVID-19 Pandemic: Exploring the Effects by Different Phases of COVID-19 and Speed Limit	¹ Chirag Akbari, ¹ Ninad Gore, ² Srinivas S. Pulugurtha	¹ The University of North Carolina at Charlotte University City Boulevard, Charlotte, NC 28223-0001, USA ² The University of Mississippi, Carrier Hall, Oxford, MS 38677, USA
8(ID-270)	Design and Experimentation of Forging process - Cup-shaped Forged Component	¹ Sayali Kulkarni ¹ , ¹ Dr. D.N.Raut ² , ² Dr. Rahul Warghane	¹ VJTI, Matunga, Mumbai, Maharashtra, India. ² PHCET, Rasayni, Raigargh, Maharashtra, India
9(ID-229)	ViT-ConvNet: An Early Alzheimer's MRI Identification Hybrid Model Using CNN and Vision Transformer	¹ Suraj Shukla, ¹ Hitendra Garg, ² Law Kumar Singh	¹ GLA University, Mathura, India. ² Amity School of Engineering and Technology, Amity University, Mohali
10(ID-235)	Artificial Intelligence Approach for Adolescent Mental Health: A Review	Shruti Joshi, Dr. Shweta. M. Barhate, Dr. M. P. Dhore	Sant Gadge Baba Amravati University, Amravati, Maharashtra, India
11(ID-237)	Mobile Application-Feature Analysis and Comment-Driven Rating System	Dr. Jayashree P, Parameshwaran K, Baranidharan S, Pavithran S	Madras Institute of Technology, Chennai, Tamil Nadu, India
12(ID-239)	Robust Fabric Defect Detection Using Convolutional Neural Networks: A Model-Level Evaluation	Shital K Dhamal, Dr. Chandani Joshi, Prof. Prasun Chakrabarti, Prof. D. S. Chouhan	Sir Padampat Singhania University, Udaipur
13(ID-281)	Dimensionality Reduction and Transfer Learning-Based Hybrid Framework for Brain Tumor Classification	Aida Jones, Sudha D, Abinaya R V, Donisha M	Department of AI&DS, KCG College of Technology, Chennai, India
1200 hrs. – 1300 hrs.	Valedictory Session (Venue-LT-02 International Conference on Computational Intelligence and Autonomous Systems (ICIAS 2025) (LT-2) Meeting-Join Microsoft Teams)		
1300 hrs. – 1400 hrs.	Lunch Break		
14(ID-282)	Deep Learning Based Diabetic Retinopathy Detection Using DenseNet-121	Aida Jones, Sudha D, Mrithula R	Department of AI&DS, KCG College of Technology, Chennai, India
15(ID-283)	Exploration-Exploitation Balanced Hybrid DGH-BWO with Lagrangian Constraint Handling for Cloud Scheduling	¹ Manish Chhabra, ² Dr. Munish Khanna	¹ Vardhaman College of Engineering Hyderabad, India ² Galgotias University Greater Noida, India
16(ID-259/316)	An OLAP-Based Framework for Multidimensional Analysis of Listener Preferences	Neeraj Kumar, Govind Kushwah, Prof. Preetvanti Singh	Dept. of Physics and Computer Science, Faculty of Science, Dayalbagh Educational Institute, Dayalbagh, Agra, India

17(ID-294)	Waste Material Incorporation in Concrete: Performance Evaluation and Strength Analysis	¹Vivian Isabella Seshie, ²Avinash Ojha, ²Lokesh Gupta, ³Aman Jain, ⁴Aman Ahlawat	¹Environmental and Safety Engineering Department, University of Mines and Technology, Ghana ²Sir Padampat Singhania University, Udaipur, Rajasthan India ³Department of Civil Engineering, MNIT, Jaipur, Rajasthan, India ⁴Department of Civil Engineering, DCRUST, Murthal, Sonipat, Haryana, India
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