

**2025 Second International Conference on
Advances in Modern Age Technologies for Health and Engineering Science (AMATHE 2025)**

24 - 25, APRIL 2025 | Shivamogga, India

Program Schedule

Date	Time	Event	
24.04.2025	10.00 amto 11.30 am	Inaugural Function Keynote Address #1: Ir. Dr. Wan Khairunizam Wan Ahmad <i>Faculty of Electrical Engineering & Technology (Mechatronic System Design Lab.), University Malaysian Perlis, Main Campus Ulu 02600 Arau, Perlis, MALAYSIA</i>	
	11:30 AM to 12:30 PM	Panel Discusion # 01: “AI Horizons: Redefining Education, Engineering, Ethics, and Human Roles in the Era of Intelligent Systems “ 1. Dr. Wan Khairunizam, Professor, Universiti 1. Malaysia Perlis 2. Jai Prakash Soni, Vice President at J P Morgan Chase & Co., 3. Shrinidhi Suresha, Head of AI Engineering at Subex 4. Sunil Kumar, Sales and Pricing Strategist at Accenture	
24.04.2025	12.30 pm to 01.00 pm	Keynote Address #1: Jai Prakash Soni, Vice President at J P Morgan Chase & Co.,	
	11.30 am to 01.30 pm	Session 1: CS01(Online)	Dr Arjun, CSE Seminar Hall Join Online Session Google Link- click this link: https://meet.google.com/ngn-tuab-jhy Otherwise, to join by phone, dial +1 302-481-6678 and enter this PIN: 210 458 576#
		Session 2: CS02(Online)	Dr Chetan L S, ME Seminar Hall To join the video meeting, click this link: https://meet.google.com/zpo-fjmq-msg Otherwise, to join by phone, dial +1 423-788-6958 and enter this PIN: 975 316 423#
		Session 3: CS03(Online)	Dr Pramod, ISE Seminar Hall To join the video meeting, click this link: https://meet.google.com/nxb-mogw-jen Otherwise, to join by phone, dial +1 978-593-3645 and enter this PIN: 698 821 694#
		Session 4: CS04(Online)	Dr Sunitha, CDC Meeting room To join the video meeting, click this link: https://meet.google.com/gxs-isuf-vcp Otherwise, to join by phone, dial +1 209-502-4661 and enter this PIN: 673 479 112#
		Session 5: EC01(Online)	Dr Omprakash Yadav, ECE Seminar Hall To join the video meeting, click this link: https://meet.google.com/ycb-djvt-phv Otherwise, to join by phone, dial +1 402-828-0226 and enter this PIN: 511 642 829#
		Session 6: EE01(Online)	Dr Sekar, EEE Seminar Hall To join the video meeting, click this link: https://meet.google.com/mba-vhhx-jqs Otherwise, to join by phone, dial +1 432-756-5045 and enter this PIN: 993 728 786#
Lunch Break - 01.30 pm to 02.15 pm			

24.04.2025	2:15 pm to 3:00 pm	Keynote Address #2: Shrinidhi Suresha , Head of AI Engineering, Subex Bangalore	
24.04.2025	03.00 pm to 05.00 pm	Session 7: AMATHE_PHY#01(OFFLINE session)	
		Session 08: CS05(Online)	Dr Gujjar, ISE Seminar Hall To join the video meeting, click this link: https://meet.google.com/dby-muoe-uba Otherwise, to join by phone, dial +1 505-225-3530 and enter this PIN: 389 209 438#
		Session 09: CS06(Online)	Dr Manoj, CDC Meeting Room To join the video meeting, click this link: https://meet.google.com/zev-bori-kir Otherwise, to join by phone, dial +1 219-501-0769 and enter this PIN: 644 515 964#
		Session 10: CS07(Online)	Dr Pavan Kumar M P, Anvesana Meeting Room To join the video meeting, click this link: https://meet.google.com/ebs-uoam-aeY Otherwise, to join by phone, dial +1 209-600-3929 and enter this PIN: 176 954 194#
		Session 11: CS08(Online)	Mr Raghavendra K, CSE Seminar Hall To join the video meeting, click this link: https://meet.google.com/bzn-xazd-mbx Otherwise, to join by phone, dial +1 458-215-1850 and enter this PIN: 626 831 192#
		Session 12: EC02(Online)	Dr.Narayanaswamy G, ECE Seminar Hall To join the video meeting, click this link: https://meet.google.com/sup-jmua-kjm Otherwise, to join by phone, dial +1 540-835-0137 and enter this PIN: 806 147 573#

25.04.2025	09.30 am to 10.00 am	Keynote Address #3: Sunil Kumar , Managing Director, Sales and Pricing Strategist, Accenture, Bangalore	
25.04.2025	10:00 am to 11:00 am	Panel Discussion # 02: AI in Industry – From Innovation to Impact 1) Dr. Siva Teja Kakileti , Principal Research Scientist and Director at NIRAMAI Health Analytix 2) Dr. Pavan Kumar M P , AI Lead AVP & Head AI Labs, 3) Mrs Sharadhi Ravindra , Assistant General Manager (AGM) - Marketing at Kidvento Education and Research	
25.04.2025	10.30 am to 12.30 pm	Session 13: AMATHE_PHY#02(OFFLINE session)	
		Session 14: CS09(Online)	Dr Chetan L S, ME Seminar Hall To join the video meeting, click this link: https://meet.google.com/mbt-qamx-zax Otherwise, to join by phone, dial +1 435-990-5245 and enter this PIN: 574 106 380#
		Session 15: CS10(Online)	Dr Pramod, ISE Seminar Hall To join the video meeting, click this link: https://meet.google.com/oku-mapw-ndu Otherwise, to join by phone, dial +1 727-223-1305 and enter this PIN: 992 159 042#
		Session 16: CS11(Online)	Dr Sunitha, CSE Meeting room To join the video meeting, click this link: https://meet.google.com/jqa-kzdo-jzp Otherwise, to join by phone, dial +1 513-796-6850 and enter this PIN: 265 039 463#
		Session 17: CS12(Online)	Dr Pavan Kumar M P, CDC Meeting Room To join the video meeting, click this link: https://meet.google.com/sad-xrre-mbz Otherwise, to join by phone, dial +1 424-532-1124 and enter this PIN: 691 729 982#
		Session 18: CS13(Online)	Dr Ashok Banagar, Anvesana Meeting Room To join the video meeting, click this link: https://meet.google.com/oiu-vjvh-izw Otherwise, to join by phone, dial +1 475-329-0067 and enter this PIN: 225 578 969#
		Session 19: EC03(Online)	Dr. Mahantesh P Mattada, ECE Seminar Hall To join the video meeting, click this link: https://meet.google.com/ekk-vjhf-srx Otherwise, to join by phone, dial +1 505-738-2501 and enter this PIN: 764 182 120#
25.04.2025	12.30 pm	Valedictory Session	

Session 1: CS#01 (ONLINE)

Date: 24.04.2025

Time: 11.30 am to 01.30 pm

Session Chair(s):

1. **Dr. M. Seenivasan**, Annamalai University, Chidambaram

Time	Paper ID	Title of the paper	Author Name(s)
11.30 am	25AE-CS 1002	AI-Driven Chronic Disease Management: Real-Time Machine Learning Solutions for Diabetes, Hypertension, and Asthma	Sakshi, Nishi Gupta
11.42am	25AE-CS 1016	Comparative Analysis of Machine Learning Models for Heart Attack Prediction	S P Sreeja, V Asha, Garv Kumar, Chandan S, Divyashree N R, B Nithya
11.54am	25AE-CS 1017	Comparative Biomechanical Analysis of Conventional and Sumo Deadlifts: Kinematics and Electromyography under Variable Load Conditions	Alberto G. Woll, John M. de Moura, Diego A. Cuba, Alexis Palomino, and Victoria E. Abarca
12.06 pm	25AE-CS 1022	An IoT Based Interactive LPG Cylinder Monitoring System for Child Safety and Level Prediction	Tulluru Sri Venkata Pawan Raj, Thummalakuta Manjunath reddy, Sankari M
12.18 pm	25AE-CS 1026	IoT-Enabled Smart Water Quality Monitoring and ML-Based Potability Prediction System	Srushti Muttalgeri, Pragati Alnawar, Snehal Gujjar, Salma shahapur, Ryan Dias
12.30 pm	25AE-CS 1034	Time Constrained Task Scheduling in Collaborative Edge Computing for IoT Applications	Shobana Gorintla, Sai Srinivas Vellela, Sravanthi Javvadi, Nagamalleswara Rao Purimetla, Sindhura S, Thalakola Syamsundara Rao, Kolla Naga Sreenivasa Rao
12.42 pm	25AE-CS 1037	An Evaluation of SCAMPLON: A Hybrid Peer Sampling Protocol Combining SCAMP and CYCLON	Dheeraj Kumar Boddu
12.54 pm	25AE-CS 1070	IoT-Driven Smart Glasses for Visual Assistance in Elderly Care with Deep Learning Solutions	Chitra Sabapathy Ranganathan, P.Sangeetha, N.Mohankumar, Bharathi Dhasan D, T. Geetha, S.Murugan
01.06 pm	25AE-CS 1079	Comparative analysis of finite state machines for a programming compiler	A.R Dhedeep Reddy, Hareni M, Shamil Saidu Mohamed, Harini CJ, Niharika Panda
01.18 pm	25AE-CS 1093	Development of Computerized system for recording Phonocardiogram	Suganthi L, Sibiraj M, Selvam P, Abdul Rahman S

Session 2: CS#02 (ONLINE)

Date: 24.04.2025

Time: 11.30 am to 01.30 pm

Session Chair(s):

1. **Dr. R. Ramesh**, Arignar Anna Government Arts College, Tamil Nadu

Time	Paper ID	Title of the paper	Author Name(s)
11.30 am	25AE-CS 1097	Cloud Storage Security Audit System	T. Sudeep Reddy, V.Baladitya, N.Rohit, G.Sreeraag
11.42 am	25AE-CS 2009	Major Cause Exposure for Diabetes Prediction Using Principal Component Analysis	Neha S, Swati V, Penumarthy Hima Varshini, D. Navya, Neetu Srivastava
11.54 am	25AE-CS 2013	Machine Learning Based Weed Detection in Zucchini farm	Vikashini G, Arunkumar S
12.06 pm	25AE-CS 2014	Machine Learning in Human Hand Exoskeleton	Aditya Ray, Arunkumar S
12.18 pm	25AE-CS 2027	TCP Protocol Validation and Optimization Through Automata Theory	Mummadi Hemanth Reddy, Okesh Ankireddypalli, Mouhitha Arella, Saranya Gujjula, Niharika Panda
12.30 pm	25AE-CS 2055	AI-Driven Sleep Health Recommendations Using Deep Learning for Personalized Medicine	Nitin Rakesh, N. Mohankumar, S. N. Sheela Evangelin Prasad, Elavel Visuvanathan G, K. Balaji, C. Srinivasan
12.42 pm	25AE-CS 2056	Integrating IoT and Wireless Sensor Networks for Precision Agriculture Using TD-CNN-LSTM.	Anshad A S, Sravanthi.K, Manivannan.S, Neeru Malik, S. Kaliappan, Anvesh Perada
12.54 pm	25AE-CS 2062	Generalized Signature Method for Multivariate Time Series: A Data-Driven Framework for Feature Extraction	Praval Panwar
01.06 pm	25AE-CS 2080	A Cross-Validated Comparative Analysis of Machine Learning Models for Strategic Decision- Making in Software Startups	J. Anitha Gracy, S. Parthasarathy, T. Chandrakumar
01.18 pm	25AE-CS 3003	Exploring Restrained Pitchfork Domination: Theory and Application Perspectives	Vijayalakshmi P, K. Karuppasamy, Win Mathew John

Session 3: CS#03 (ONLINE)

Date: 24.04.2025

Time: 11.30 am to 01.30 pm

Session Chair(s):

1. Dr. V J Chakkravarthy, Professor, MCA, Dr. M.G.R. Educational and Research Institute, Chennai.

Time	Paper ID	Title of the paper	Author Name(s)
11.30 am	25AE-CS 3016	Predictive Analytics of Stroke Patients Monitoring System using Deep Learning Models	S Parameswaran, P Arulmozhi, K Indumathi, S Deepak, S Naveenkumar, K Pritheep
11.42 am	25AE-CS 3018	Selection of industrial robot for manufacturing system applying MCDM techniques	S. Anita Shanthi and K.G. Basavaraju
11.54 am	25AE-CS 3028	Panoramic Revolutionizing Orthodontic Analysis with Deep Learning and Panoramic Dental X-rays	Sriramoju. Archana, Vishwanath Bijalwan
12.06 pm	25AE-CS 3062	Feature-Optimized Multiclass Water Quality Detection in Kerala's Medium Minor Rivers Using Siamese Networks	Akash PV, Nirmal Varghese Babu
12.18 pm	25AE-CS 3063	Explainable Hybrid Framework for Network Intrusion Detection Using Graph Attention Networks and Advanced Feature Engineering	Jobin P Mathew, Nirmal Varghese Babu
12.30 pm	25AE-CS 3067	Cardiovascular Disease Prediction Using ML Based Classification Methods	Anita Shivaji Gunjal, T. Judgi
12.42 pm	25AE-CS 3077	Predictive Analysis of Chronic Migraine Symptoms Detection and Management Using IoT and ML	S. Srinivasan, Bharat Tidke, Ahmed Shahebaaz, E.Punarselvam, N.Gnanavel, B Meenakshi
12.54 pm	25AE-CS 3089	Test Protocol to Assess the Adaptability of a Prosthetic Foot on Irregular Surfaces	Marco Lagones, Victoria E. Abarca, Dante A. Elias
01.06 pm	25AE-CS 3097	Machine learning based automated liver fibrosis stage diagnosis with prediction	Venkateswara Reddy B, Addala Hemantha Kumar, Chitteti Gopi, Yerravarapu V V Durga Prasad, Sai Srinivas Vellela, Roja D, Kolla Naga Sreenivasa Rao
01.18 pm	25AE-CS 4000	Emotion Recognition Using Few-Shot Learning with Embedding Space and Prototype-Based EEG Analysis	Nathan Shibu John, Nirmal Varghese Babu
01.30 pm	25AE-CS 1036	5G-Enabled Disaster Management: Enhancing Emergency Response and Recovery	Dileep Reddy Bolla, Abhishek Jogur, Gagan M S, Vishwanatha Sastry, Arjun Kumar G B, Sanvik H

Session 4: CS#04 (ONLINE)

Date: 24.04.2025

Time: 11.30 am to 01.30 pm

Session Chair(s):

1. **Dr. Dipti Chauhan**, Professor, Department of CSE & AI-DS, Prestige Institute of Engineering Management & Research, Indore

Time	Paper ID	Title of the paper	Author Name(s)
11.30 am	25AE-CS 4002	Analysis of Li Ion Battery using Computational Fluid Dynamics	Prashant Gadhvi, Parth Shah, Reena Trivedi, Priyam Parikh
11.42 am	25AE-CS 4005	A Novel Hybrid Framework for Annual and Quarterly Rainfall Prediction Combining CNN and LSTM Networks	Arun Kumar Silivery, V Thirupathi, Venkata Bala Annapurna P, Pardha Saradhi Chirumamilla, Nynalasetti Kondala Kameswara Rao, A.Lakshmana Rao
11.54 am	25AE-CS 4011	Natural Language Processing for Automated Feedback Generation in Peer-Reviewed Online Assignments	SR Ajitha, K.V.Mahalakshmi, Ganesh Kumar Anbazhagan, Anuradha Tutika, Ali Ali Saber Mohammed, Anuradha. S
12.06 pm	25AE-CS 4014	Enhanced Health Information Management with Blockchain-Assisted FL-CNNs and Autoencoders in the Internet of Medical Things	B. Narmada, K. Banuroopa, Priyadharshini Anthony, D Suganthi, A. Sasi Kumar, A. V. Deepan Chakravarthi
12.18 pm	25AE-CS 4015	Advanced Remote Sensing Image Captioning with a Convolutional Network and Bi-directional LSTM Hybrid Framework	T. Harsha Vardhan, B. Sai Vivek, K. Sri Ram, K. Abhishek Kumar
12.30 pm	25AE-CS 4020	Artificial Intelligence in English Language Assessment Transforming Traditional Oral Exams into Adaptive Learning Tool	Mary Surya Kala, Sreela B, Naama Hussein Al-Muraad, Nashwan Adnan Othman, Brindha S, Malik Bader Alazzam
12.42 pm	25AE-CS 4021	Leveraging Machine Learning for Automatic Pronunciation Assessment in English Language Learning	C. Chamundeswari, Premalatha S, Yaisna Rajkumari, Marwan Aziz Mohammed, T.Sathyaseelan, Vimochana.M
12.54 pm	25AE-CS 4034	Enhancing E-Commerce Innovation with Predictive Analytics in Business Management Using MARL-GNN Models	A. R. Nithya, Shouvik Chattopadhyay, Balasubramanian K, Preethi R, V Venkata Ramana, Nirmala Devi M.
01.06 pm	25AE-CS 4035	Efficient Alzheimer's Classification Leveraging Deep Learning Models on MRI Data with Layer Optimization and Early Stopping	R. Shiva Shankar, G. Mahesh, K VSSR Murthy, VVR Maheswara Rao, N. Silpa, K Amrutha
01.18 pm	25AE-CS 4047	Hybrid Approach Using RoBERTa and Neural Networks for Airline Twitter Sentiment Analysis	R Sukrutha, K.Sreedevi, Lavanya Kumari Pithani, Bagusetty Ajay Ram, D. Chanra Mouli, A.Lakshmanarao

Session 05: EC#01 (ONLINE)

Date: 24.04.2025

Time: 11.30 am to 01.30 pm

Session Chair(s):

1. **Dr. K. Dhayalini**, Professor, Department of EEE, K. Ramakrishnan College of Engineering, Trichy

Time	Paper ID	Title of the paper	Author Name(s)
11.30 am	25AE-EC 1033	Design and Implementation of 10 Bit SAR ADC for High speed applications	Ajaykumar Dharmireddy, H.Sudhakar, N.M.Vitaleswara Rao, I.S.H.Sravva, K.Haveela Raj, M.Jagadeesh kumar
11.42 am	25AE-EC 1056	Cloud-Powered SVM Solutions for Automated Monitoring and Intervention of ADHD Symptoms	R Puviarasi, G.Arunsankar, H. Azath, G.Divya, Audithan Sivaraman, B Meenakshi
11.54 am	25AE-EC 1063	Grey and Color Image Segmentation by Reptile Search Algorithm aided with Tsallis entropy	R. Kalyani, V. Vaitheeshwaran, Pregya Poonia, G Srinivasa Rao, G.V.S.CH.S.L.V. Prasad
12.06 pm	25AE-EC 1071	Design and Simulation of a Carry Save Adder (CSA) using NAND Gate in CMOS 180nm Technology	Gautham Jayesh, Sreenidhi Prabha Rajeev
12.18 pm	25AE-EC 1072	Enhancing Cybersecurity Measures Through AI Driven Intrusion Detection System	Joshe Raj, J Godwin Ponsam, S V Juno Bella Gracia
12.30 pm	25AE-EC 1076	Performance Analysis of High-K Dielectric Impact on AlGaIn/GaN HEMTs Using β -Ga ₂ O ₃ Buffer for High-Speed RF Power Electronics	B.Nagasirisha, Subhashini Tata , Ramkumar Natarajan, Y Mamillu, B. Vamsy Krishna, Saravanan M
12.42 pm	25AE-EC 1080	Design and Implementation of Multi-Mode All Pass Filter Using MIMO Operational Transconductance Amplifiers	Rachakonda Satish, Bukka Uday Kiran, S Karunakaran, Maloth Urmila
12.54 pm	25AE-EC 1085	Performance analysis of gate metal impact on InAlN/GaN/AlGaIn HEMT for High-Speed RF applications	Chevala Rambabu, Ramkumar Natarajan, S. Ravi, P Gnanapriya, N.Vigneshwari, S. Hariprasad
01.06 pm	25AE-EC 1092	Brain Tumor Detection using CNN and PCA	Kilari Veera Swamy, Sunkara Krishna Teja, Ragodaya Deepthi Kadiyala
01.18 pm	25AE-EC 2005	Hybrid Deep Learning-Based Fault Detection for IoT Sensors	Anbuselvan Rajendran, Aravindan Dhasinamurthi, G.S. Uthayakumar

Session 06: EE#01 (ONLINE)

Date: 24.04.2025

Time: 11.30 am to 01.40 pm

Session Chair(s):

1. **Dr. Shimpy Ralhan**, Professor & Head, Department of EEE, Shri Shankaracharya Technical Campus, Bhilai

Time	Paper ID	Title of the paper	Author Name(s)
11.30 am	25AE-EE 1001	EV-HVAC System Joint Control using Reinforcement Learning	Shruthi A, Amudha J and Deepa K
11.42 am	25AE-EE 1008	Performance Evaluation of Hybrid CNN-SVM model for Efficient Detection of Cracks and Faults in Solar Panels	J.Jayapriya, R.Kalaivani
11.54 am	25AE-EE 1009	Transient Stability Analysis of Power Systems using Mi Power	C.R.Edwin Selva Rex, Vasamsetti Sai Lalitha, Kokkonda Gayathri, Kotha Trivarthini
12.06 pm	25AE-EE 1021	Classification of NAFLD Using ML Algorithms	Om Kulthe, Shobha Sharma, Ashok Choudhary, Tapan Gandhi
12.18 pm	25AE-EE 1024	Data Security in Smart Grid Using Cryptographic Algorithms	Challa Tharani, Chilamantula Ashritha, Manitha P.V
12.30 pm	25AE-EE 1029	Harmonic Analysis of Boost Inverter for Grid Application	Krishnaveni. S, Melviah. G, Vishnupriya. B, Harini. M
12.42 pm	25AE-EE 1031	Effective DG and Capacitor Placement in Power Distribution System: A Comparative Study Using Whale Optimization Algorithms (WOA) and Dragonfly Optimization Algorithms (DA)	Abhisek Debnath, Nagaraju Dharavat, Ashok Koiri, Suresh Kumar Sudabattula, Aman Kumar, Arif Rahaman
12.54 pm	25AE-EE 1035	Enhanced Maximum Power Point Tracking for Photovoltaic Systems Using Fuzzy Backstepping Sliding Mode Control and Particle Swarm Optimization	Akshatha N M, Nandini K K, Thripathi B Shetty
01.06 pm	25AE-EE 1036	Advanced PV Based Power Conversion and MPPT Technique for BLDC Motor Driven EV Application	T. R. Premila, Rokesh K, Subash Chandra Bose S, Wilson G
01.18 pm	25AE-EE 2004	Power Quality Enhancement in Grid-Connected Solar PV and Battery Energy Storage Systems Using STBC Controller with CSA Algorithm	Saniya Tanzeem, G. Ujwala
01.30 pm	25AE-EE 1047	Optimized Control of Self-Sustaining PV Based SRM Drive with Seven-Level Converter	S.Karthikkumar, B.Abivarsha, A.Sanjay, M.Santhosh, S.Tamilarasan, Sundaram Arumugam

Session 7: AMATHE_PHY#01(OFFLINE session)

Date: 24.04.2025

Time: 03.00 pm to 04.50 pm

Session Chair(s) :

1.

Time	Paper ID	Title of the paper	Author Name(s)
03.00 pm	25AE-CS 2011	Uncovering Population Patterns in Volcanic Areas with PCA	Dubba Hima Bindu, Siri M
03.12 pm	25AE-CS 3012	Real-Time Accident Event Detection Using CNN-YOLOv3 Fusion: Improving Accuracy for Enhanced Safety Measures	R. Elangovan, M. Rajamanogaran, G. Karthikeyan, V. Ramalingam
03.24 pm	25AE-CS 3013	Advanced Computational Approaches to Climate Change with Global Temperature Trends: A Data Mining and Machine Learning Perspective	R. Elangovan, P. Rajesh, R. Arulpavai, M. Govindhan
03.36 pm	25AE-CS 9005	Single Server Markovian Queuing System with Differentiated Working Vacations, Feedback and Impatience Customers	M. Seenivasan, R. Ramesh, S. Pandisaranya and N. Sivasankari
03.48 pm	25AE-CS 9014	Text Similarity Technique Using BGE-M3	Praveen Gujjar J, Prasanna Kumar H R
04.00 pm	25AE-CS 9009	User Engagement Prediction via Multi-Modal Emotion Analysis in Static and Dynamic Media	Likewin Thomas, Shilpa K C, Shilpa M I, Tejaswini N D
04.12 pm	25AE-CS 9010	Automated User Engagement Analysis Through Multi-Modal Facial Expression Recognition: A Deep Learning Approach	Likewin Thomas, Shilpa K C, Shilpa M I, Sandeep Telkar I
04.24 pm	25AE-CS 9015	Adaptive Concept Drift Detection Using Bayesian Neural Networks and Wasserstein Distance	Prashanth B S, Manoj Kumar M V, Puneetha B H, Vinay S K
04.36 pm	25AE-CS 9017	Queueing System with Single Vacation and Single Service with Feedback	M. Seenivasan, R Ramesh and R. Dhanabhakkiyam

Session 8: CS#05 (ONLINE)

Date: 24.04.2025

Time: 03.00 pm to 05.10 pm

Session Chair(s):

1. **Dr. Neha Gupta**, Associate Professor Department of CSE, Symbiosis University of Applied Sciences, Indore

Time	Paper ID	Title of the paper	Author Name(s)
03.00 pm	25AE-CS 4052	Stacked Multi-Modal Ensemble Classification Approach Using Deep Learning for Lung Cancer Prognosis	Jaina A C, Golden Nancy R
03.12 pm	25AE-CS 4057	Optimizing Third-Party Product Marketing Strategies Using AI-Driven Consumer Analytics	Vinod Waiker, Malik Bader Alazzam, Sarika Keswani, Sharmeen Izzat Hassan, Anushree Aserkar, R Saravanakumar
03.24 pm	25AE-CS 4066	Theoretical Approaches to Maximizing Even Multiplicative Labeling	Thamizisai.D, R.Mary Jeya Jothi
03.36 pm	25AE-CS 4070	Blockchain-Powered Electronic Health Record System for Enhanced security	Prajwal L, Prajwal G, R Sagar, Sujay, Aruna S, Sunanda B
03.48 pm	25AE-CS 4073	Self-Organizing Microservice Composition for IoT-Enabled Neonatal Monitoring	Sharon Poornima, Ashok Immanuel
04.00 pm	25AE-CS 4074	The Role of Mobile Computing in Flipped Classrooms for English Language Learning and Assessment	Sreela B, Myagmarsuren Orosoo, Mustafa Zuhaer Nayef Al-Dabagh, Shailendran U, Ramesh Vijaya Babu K, Malik Bader Alazzam
04.12 pm	25AE-CS 4078	Design and Development of a Low-Cost Prosthetic Arm: Towards Enhanced Grip Patterns, Versatility, and Accessibility	Hetav Shah, Dev Shah, Maryam Kavesghar
04.24 pm	25AE-CS 4085	Enhancing Brain Tumor Diagnostics with Transfer Learning Using EfficientNet	Shobha Y
04.36 pm	25AE-CS 4090	Minimum Metric Dimension of Generalized Friendship Graphs for Patient Care Monitoring	D. Angel, K. Ashwini, R. Mary Jeya Jothi
04.48 pm	25AE-CS 7052	Artificial Neural Network Modelling for Production of Biodiesel from Waste Cooking Oil	P.Kanakasabai, S. Sivamani, Saikat Banerjee, D.Sridevi
05.00 pm	25AE-CS 9019	Plant Disease Identification using Deep Learning	Sheo Kumar, Abhishek Kalasapur, M. Prathap Singh, T. Ravindra, Asma Farheen, Manisha Sharma

Session 9: CS#06 (ONLINE)

Date: 24.04.2025

Time: 03.00 pm to 05.10 pm

Session Chair(s):

1. **Dr. Shiva Shankar**, Department of CSE, SRKR Engineering College, Bhimavaram, Andhra Pradesh, India

Time	Paper ID	Title of the paper	Author Name(s)
03.00 pm	25AE-CS 4091	Adaptive Threat Intelligence: An Incremental Learning Approach for Detecting Evolving APT Attacks	Manish khule, Deepak Motwani, Dipti Chauhan
03.12 pm	25AE-CS 4092	Smart NFT based Hydroponic System for Precision Agriculture using IoT and AI	Chetan R, Asha C S, Raghavendra Rao, Shilpa Suresh, Guruprasad, Dhanush Kumar
03.24 pm	25AE-CS 4093	Harnessing Advanced Machine Learning for Predictive Modeling and Granular Analysis of COVID-19 Epidemic Dynamics	D.Vetrithangam, Amit Majumder, Sradhanjali Pattanaik, Neha Arya, Arokiaraj Christian St Hubert, S.Kaliappan
03.36 pm	25AE-CS 4094	Multiview Radiographic Osteoarthritic Anomaly Detection Utilizing Enhanced Liquid Neural Network Architectures and Advanced Computational Imaging Techniques	D.Vetrithangam, P.Mounika, Anushaa Putta, Amit Majumder, S. Rukmani Devi, S.Kaliappan
03.48 pm	25AE-CS 5000	Food Classification Using a Hybrid Framework with Transfer Learning and Machine Learning Models	Bharathi Panduri, Nagagopiraju Vullam, R S S Raju Battula, Vunnava Dinesh Babu, Venkata Subbaiah Desanamukula, A.Lakshmanarao
04.00 pm	25AE-CS 5012	Mobile Computing for Language Testing in Blended Learning Environments: Combining Traditional and Digital Assessment Tools	M. Muthu Deepa, R. Ramakrishnan, A. Sulochana, S. Vijayakumar, N. Sheik Hameed, Bhavani P
04.12 pm	25AE-CS 5019	A Predictive Model for Type-II Diabetics Mellitus Neuropathy and Nephropathy Patients Using ML Techniques	Tejashree T K, Asha K R, Kavyashree.N
04.24 pm	25AE-CS 5027	Early Breast Cancer Detection and Diagnosis using an Efficientnet-based Predictive System	Jenshya. J, Christopher Jerome. F, Dhatchana Moorthy. P, Mahant. A.S, Vallarasu. N. M, V.S.Suresh kumar
04.36 pm	25AE-CS 5036	Advancing Artificial Intelligence: Insights into the Applications and Challenges of Large Language Models	Malgi Nikitha Vivekananda, Prashant Ashok Shidlyali, Vinayaka Vivekananda Malgi
04.48 pm	25AE-CS 5037	Integrating Transformers and Hybrid Machine Learning Models for Automated Sexism Detection in Online Discourse	Malgi Nikitha Vivekananda, Vinayaka Vivekananda Malgi, Prashant Ashok Shidlyali
05.00 pm	25AE-CS 2010	Unveiling the major causes of Breast Cancer Using Radius and Texture Features data	Kakarla Sumayah, KSG Yeseswini, Vinuthna Reddy, Keerthana Menon, Neetu Srivastava

Session 10: CS#07 (ONLINE)

Date: 24.04.2025

Time: 03.00 pm to 05.10 pm

Session Chair(s):

1. **Dr. Mohana Prabha**, Associate Professor/CSE, PGP College of Engineering and Technology, Namakkal

Time	Paper ID	Title of the paper	Author Name(s)
03.00 pm	25AE-CS 5040	Deploying CNN-Bi LSTM Model for Talent Acquisition Analytics in HR Management	V.V.Narsi Reddy, Narinder Kumar Bhasin, Anisha.J, Ban Safar Khalaf, Malik Bader Alazzam, A.Balakumar
03.12 pm	25AE-CS 5041	Empowering E-learning Through Social Media Influencers: A Social Constructivist Approach	Aditi Rajput, Aradhana Gandhi, Dhoha AlSaleh
03.24 pm	25AE-CS 5042	Deep Reinforcement Learning and Capsule Networks for Advanced Bone Cancer Detection	S.Swapna, Dulfuza Gulyamova, Ban Safar Khalaf, S.T. Gopukumar, Hajar Kadhim, A.Balakumar
03.36 pm	25AE-CS 5045	A Critical Comparison on Different Sorting Algorithm Performance	Deeksha Baweja, Tanya, Mohammad Rashid, Jagvinder Singh
03.48 pm	25AE-CS 5051	Sustainable Industrial Waste Heat Recovery Systems using IoT and Gradient Boosting Machines	Chitra Sabapathy Ranganathan, C. Uthayakumar, Prabakaran Kasinathan, G. Mahalakshmi, T. R. GaneshBabu, C. Srinivasan
04.00 pm	25AE-CS 5054	A Hybrid Approach for IoT Sensor Anomaly Detection with LSTM and Autoencoder-Based Preprocessing	Pardha Saradhi Chirumamilla, Gadipe Sunitha, A.Sneha, V Thirupathi, Chitri Rami Naidu, A.Lakshmana Rao
04.12 pm	25AE-CS 5060	LLM Compression for Enhanced Performance: A Comparative Study of Structured and Unstructured Pruning Techniques	Balakrishna Dichitha, Brunda L, Sujatha R Upadhyaya
04.24 pm	25AE-CS 5062	Enhanced stock price prediction using ML & DL models	B P Vishwaksena Reddy, S Nagasai Chandan, Tirumala Y, Saranya Devi B
04.36 pm	25AE-CS 5074	Machine Learning-Based Diabetes Risk Prediction Using Random Forest and Streamlit Interface	S. Dhanasekaran, Rajkumar Pandiarajan, Kondragunta Bindhu, Raavi Hasini, Kodali Rushita, Kandra Lakshmi Prasanna
04.48 pm	25AE-CS 6013	A Hybrid Framework for Early Prediction of Psychological Disorders by using AIML Techniques	Vikas Kamra, Jaya Gaur, Chhavi Bhatnagar, Saisha Goel
05.00 pm	25AE-CS 3039	Decentralized Framework for Enhancing Satellite Navigation Accuracy and Security: Integrating Blockchain with GNSS	Latha Srilekha Pothula, Vamsi Krishna Chokkaku, Narendra Kumar Yellina, Mallika Yarrakula

Session 11: CS#08 (ONLINE)

Date: 24.04.2025

Time: 03.00 pm to 05.10 pm

Session Chair(s):

1. **Dr. D. Vaithyanathan**, Assistant Professor, Department of Electronics and Communication Engineering, National Institute of Technology Delhi.

Time	Paper ID	Title of the paper	Author Name(s)
03.00 pm	25AE-CS 6015	PneuMatrix: An Advanced Deep Learning based Approach for Precise Prediction of Lung Diseases from Chest X-Rays	Vikas Kamra, Saloni Sharma, Ritika Bhardwaj, Dhanishta Gupta, Ishika Sharma
03.12 pm	25AE-CS 6027	5G Base Station Power Consumption Using Machine Learning	T. Jaya, Vijayalakshmi. P, M.Monisha, Madona B Sahaai, S. Akash and V. Samu
03.24 pm	25AE-CS 6045	Ethical AI Auditor for Bias Detecting in AI Models Using Adversarial Debiasing	Senthil G. A, Geerthik S, Jerlin Ida J, Ashika Jubi S
03.36 pm	25AE-CS 6049	A Novel Predictive Analysis of Skin Disease Diagnosis for Medical Image Processing Using Optimized Deep Learning Techniques	Senthil G.A, Geerthik S, Harini V, Neha M
03.48 pm	25AE-CS 6060	Harnessing Machine Learning and Deep Learning to Anticipate Stock Price Variations Post-New Product Launches	Bishal Adhikary, Krishan Kumar
04.00 pm	25AE-CS 6062	Autonomous load balancing of Optimized Path Selection for Wireless Mesh Network	Raja Rao PBV, Chintalapati Swathi, P Kiran Sree, M Prasad, P. J.R Shalem Raju, Anuj Rapaka
04.12 pm	25AE-CS 6065	Enhancing Attainment and Quality Assurance in Higher Education with Machine Learning-Driven Smart Pedagogy.	Roseline Jesudas, Zakiuddin Mohammed, Mohammed Abdul Mateen.
04.24 pm	25AE-CS 6066	Graph Theory for Enhanced Feedback and Student Performance Prediction in Higher Education Using a GAT-BiLSTM-Based RL Model	Sandeep Dongre, P. Krishnaveni, Vusal Karimli Maharram, Anju Aravind K, S. Kaliappan, Sabarinathan G.
04.36 pm	25AE-CS 6075	Multi-Channel Inception-DenseNet for Autism Classification: A Robust Deep Learning Model	Ramadoss Pasupathi, Saravanan Santhanam
04.48 pm	25AE-CS 6076	Atrous Convoluted VGG based Metal Surface Defect Classification	K.R. Sri Preethaa, M. Shyamala Devi, Yuvaraj N, K. Shanmugapriyaatarajan
05.00 pm	25AE-CS 5058	Enhancing Radiology Documentation using a Lightweight CNN-RNN based Speech-to-Text Model	Sasikala D and Sivasathya S

Session 12: EC#02 (ONLINE)

Date: 24.04.2025

Time: 03.00 pm to 05.10 pm

Session Chair(s):

1. Dr. R. Praveenkumar, Associate Professor, Department of Electronics and Communication Engineering, Kangayam Institute of Technology, Tamil Nadu

Time	Paper ID	Title of the paper	Author Name(s)
03.00 pm	25AE-EC 2006	Optimised AES Block Cipher Core: Dynamic Key Generation and Selective Transformation Model	Ramkiran P T, Sreenidhi P R
03.12 pm	25AE-EC 2011	Mathematical Modeling of Protein Concentration Dynamics using CAR T-Cell Therapy on Alzheimer's Disease	Parvathi D Bhat, Varshini Ganesan Selvi, Dheeraj V, Sailaja Y
03.24 pm	25AE-EC 2019	Chest X-Ray Based AI Driven Method for Detection of COVID-19 Infected Patients	Swarnava Biswas, Bipasa Bimalendu Patra, Anindya Sundar Das
03.36 pm	25AE-EC 2026	Transforming Rail Madad System: An AI-Driven Approach to Complaint Resolution	Mohanraj S, Balakumar A, Mohankumar R, Kishore K, Mohamed Anas S
03.48 pm	25AE-EC 2027	Comprehensive Comparison of Lightweight Encryption Algorithms for Energy-Efficient IoT Applications	Sharu Shree M, Shrinath S, Vijay Anandh R, Inbamalar T M
04.00 pm	25AE-EC 2046	A Novel Approach to Efficient Network Adaptation in MANETs with QED	S. Babushanmugham, R. Sindhuja, E. Elamaram, Vijai Meyyappan Moorthy, Nanmaran R, Srimathi S
04.12 pm	25AE-EC 2048	Computational Modeling and Simulation Techniques for High-Performance Nanoscale Electronic Circuits	Shamim Ahmad Khan, Eswararao Boddepalli, Shukur Ramadan Hama Sharif, Naama Hussein Al-Muraad, Haider Sharif Mahdi, K. Selvakumarasamy
04.24 pm	25AE-EC 2050	Optimized FIR Filter Design with RNS, Array Multiplier, And Kogge Stone Adder	M Balaji, N Sai Bhagya Lakshmi, M Kumar Sai, K Monish, M Thoushif Ahamed, A Yasmine Begum
04.36 pm	25AE-EC 2053	Flexible Ring Slot Antenna for Wearable 5G Application	Gaurav Kumar Soni, Dinesh Yadav, Ashok Kumar, Ravi Joshi, Manish Varun Yadav
04.48 pm	25AE-EC 2060	Watermelon Classification using Machine Learning with Enhanced Features	Kilari Veera Swamy, Sunkari Rajaneesh, Sagarla Mahalaxmi, Pavushetti Revanth
05.00 pm	25AE-EC 3012	Study and Performance Evaluation of SRAM Cells in 18nm FinFET Technology	Anuj Kaushik, Komal Gupta, Dhandapani Vaithiyathan, Manish Verma, Preeti Verma, Baljit Kaur

Session 13: AMATHE_PHY#02 (OFFLINE session)

Date: 25.04.2025

Time: 10.30 am to 12.30 pm

Session Chair(s):

1.

Time	Paper ID	Title of the paper	Author Name(s)
10.30 am	25AE-CS 8038	Machine Learning Algorithms for Detecting Fake Signatures in Bank	Milind Talele, Saurabh Palve, Anshika Saxena
10.42 am	25AE-CS 9002	Deep Learning-based QSAR Model for Therapeutic Strategies Targeting SmTGR Protein's Immune Modulating Role in Host-Parasite Interaction	Belaguppa Manjunath Ashwin Desai, Belaguppa Manjunath Anirudh, Kalyani.S.Biju, Vondhana Ramesh, Pronama Biswas
10.54 am	25AE-CS 8023	Enhancing Emotion Recognition Accuracy Applications and implications	Milind Talele, Rajashree Jain, Khushboo Chhabra, Lakshya Tyagi
11.06 am	25AE-EC 1097	RTL to GDS II Simulation of SAD Algorithm with Kogge Stone Adder Using Cadence Tools	Prathiksha R Bhat, Krishnamurthy Nayak
11.18 am	25AE-EC 2017	Vehicle tracking solution using low power Millimeter-Wave Radar	Sampreeth P R, Dhyanes M, Mrinal P, Pranav U, Raghavendra G Kulkarni
11.30 am	25AE-EC 3004	Compressive Sensing Algorithm based on DCT and DWT for ECG Signal Reconstruction using Various Wavelet Kernels	Subramanyam Shashi Kumar
11.42 am	25AE-EE 1004	A simulation Study and Enhancing Power Quality in Transmission Lines Using VSC-Based DSTATCOM	Suresh.H.L., Prajwal.A, Priyanka.T
11.54 am	25AE-EE 1007	AI-Based Control of Setpoint Temperature for Electric Vehicle Cabin	Ciji Pearl Kurian, Padmashree K S, Anna Merine George
12.06 pm	25AE-CS 9011	Process Mining-Based Approach for Incremental and Recurring Concept Drift Detection	Puneetha B H, Manoj Kumar M V, Prashanth B S, Tejaswini N D
12.18 am	25AE-CS 9008	Optimizing precision in high variability image dataset through adaptive ensemble of deep convolution neural network	Sneha H R, Katam Veera Goutham, Sudeep Suresh,Sushma V,Omprakash S M, Vinay S K

Session 14: CS#09 (ONLINE)

Date: 25.04.2025

Time: 10.30 pm to 12.30 pm

Session Chair(s):

1.

Time	Paper ID	Title of the paper	Author Name(s)
10.30 am	25AE-CS 6083	DeepFake Detection System: A Multimodal Approach Using Text and Image Analysis	A V V A S Ganesh Gupta, K Ram Satya Sai, A S S Meghana, A Abhilash, M Vamsi Kumar, P Sita Rama Murty
10.42 am	25AE-CS 6096	A Lightweight Deep Learning Framework for Real-time Detection of Deepfake Medical Images	Pradeepan P, Gladston Raj S, Juby George
10.54 am	25AE-CS 6098	Sustainable Forestry: AI-Driven Forest Health Diagnostics using SwinÂ Transformer	Shaik Rasheeda Begum, Devmalya Saha and Vaibhav Mishra
11.06 am	25AE-CS 7002	Enhancing Image Captioning Model Performance through use of Synthetic Image Generation and Semantic Filtering	Santhosh Kannan S P, Aswin V, Deepa D
11.18 am	25AE-CS 7004	Navigating Cyber Threats: Effective Mitigation Strategies for Strengthening Digital Security in Tamil Nadu's Banking System	J.Gayathri, Bhavana Selvakumar, Jayashree.G, Yazhini J, Reshma.M, K.Yeshwanthkumar
11.30 am	25AE-CS 7008	Natural Language Processing Model for Hindi to Tulu Translation	Anwaya K, Ananya C, Mamatha Balipa
11.42 am	25AE-CS 7012	Exploring Deep Learning Approaches for Movie Recommendation Systems: A Comparative Analysis	Sweetey A Saiyed, Pradeep Jha, Pankaj Jain
11.54 am	25AE-CS 7030	Improved scheme for extracting aspect sentiment triplets based on aspect aware attention enhancement	TangYaLing, Abhishek Pratap Sah, Fanchang, Amit Yadav, Asif Khan
12.06 pm	25AE-CS 7039	Taxonomy Based Question Generation Using Prompt Engineering for Student Assessment	Karan Rajesh Nair, Sruthy Anand, Arjun U, Niranjana Prasanth, Sidharth S Kumar, Sethuraman N Rao
12.18 pm	25AE-CS 7043	Creating An Effective Machine Learning Model for Monitoring and Maintaining Cardiac Health	Akash Akuthota, Divya V K, G Ganga Hemanth kumar

Session 15: CS#10 (ONLINE)

Date: 25.04.2025

Time: 10.30 pm to 12.30 pm

Session Chair(s):

1.

Time	Paper ID	Title of the paper	Author Name(s)
10.30 am	25AE-CS 7058	Skin Cancer Detection using Vision Transformer with GNN and Explainable AI (Grad-CAM)	Kevin B Baabu, Daniel Madan Raja S
10.42 am	25AE-CS 7070	Advanced Text-Based Depression Detection Using Machine Learning Techniques	K. Jaya Deepthi, G. Sravanthi, M. Suvarna, K. Srinivasa Reddy, L. Yamini
10.54 am	25AE-CS 7075	Deep Learning for Skin Cancer: Hybrid Feature Extraction with GoogleNet and MobileNet	Sourav Mondal, Harshitha Kotapati, Renu Sree Bonthagorla, Harika Tummala, Debnarayan Khatua
11.06 am	25AE-CS 7078	Optimizing Biomedical Networks: Graph Factorization for Efficient Logistics	Reshma R B, R Manjusha
11.18 am	25AE-CS 7085	Machine Learning Models for the Analysis of Multi Temporal Satellite Images for Change Identification and Predictions	M. Sakthivanitha, S. Jayashree, R. Nathiya, S.Balaji, M.Mohamed Sirajudeen, R.Maruthi
11.30 am	25AE-CS 7091	Deep Learning for Risk Stratification in Cardiovascular Diseases	D. Vetrithangam, Charanjit Singh
11.42 am	25AE-CS 7092	Ocular Disease Detection via Deep Learning Models	Puneet Kumar, D. Vetrithangam
11.54 am	25AE-CS 8004	Edusphere: AI and Web Integrated Platform for Cognitive Learning	Sowmya M R, Veeksha C S, Bhumika R, Swati S U, Tejashwini Hosamani
12.06 pm	25AE-CS 8005	Audio Based Bird Species Identification using CNN	Pallavi Shetty, Dayananda
12.18 pm	25AE-CS 8009	Optimizing Crop Production for Commercial Markets: A Machine Learning Approach	Neha Ravaji Rane, Payal Mangesh Adsul, Jambukeshwar Pujari

Session 16: CS#11 (ONLINE)

Date: 25.04.2025

Time: 10.30 pm to 12.30 pm

Session Chair(s):

1.

Time	Paper ID	Title of the paper	Author Name(s)
10.30 am	25AE-CS 8011	Gastrointestinal Disease Detection Using RegNet, MobileNetV2, EfficientNetB2, and ResNet-152 with Transformers	Vardhan Rebba, Sujatha Kamepalli
10.42 am	25AE-CS 8012	Enhancing Cybersecurity with Deep Learning: Proactive Threat Detection and Mitigation Techniques	Mayank Dandriyal, Nishi Gupta
10.54 am	25AE-CS 8014	Finance Forecasting Using Financial Indicators with Advanced Machine Learning on End-User Mobile Devices	Malvika Souran, Ravindra Singh Shah
11.06 am	25AE-CS 8015	Fraud Detection in Mobile Payments Using a Hybrid Machine Learning Model	Malvika Souran, Ravindra Singh Shah
11.18 am	25AE-CS 8017	Enhanced Used Car Price Prediction Using Machine Learning: A Comparative Study of Regression Models	Goutham P Raj, Gregan George, Hadii Hasan, John Ashwin Delmon, Lis Jose
11.30 am	25AE-CS 8024	Deep Learning-based Image Classification for Lumbar Spine Disorders Using Resnet50 and Data Augmentation Techniques	Viveca R, Vidhya K
11.42 am	25AE-CS 8025	Optimizing Paddy Crop Disease Classification with MobileNetV2 Transfer Learning	Johnson B, Chandrakumar T, Sakthipriya D
11.54 am	25AE-CS 8028	Vision Transformer-Based Framework for Generating Concise Image Captions: A Vision Language Approach	Raksha Puthran, Thejash, Anusha Prashanth Shetty
12.06 pm	25AE-CS 8034	AI based Optimized low latency solution for path selection in an Ad-hoc Network	P Kalyan chakravarthi, Susmita Das
12.18 pm	25AE-CS 8037	Sentiment-Infused Stock Price Prediction: A Hybrid Model for Capturing Market Sentiments and Financial Trends	Veena Trivedi, Ujwala Pagare, Mohd Mustafa Shaikh, Ankit Purohit, Pravesh Yadav, Sumit Shahu

Session 17: CS#12 (ONLINE)

Date: 25.04.2025

Time: 10.30 am to 12.30 pm

Session Chair(s):

1.

Time	Paper ID	Title of the paper	Author Name(s)
10.30 am	25AE-CS 8041	Machine Learning Approaches for Sign Language Recognition: An Analytical Review	Arhath Kumar, Pranam
10.42 am	25AE-CS 8042	Enhancing Skin Cancer Detection: A Deep Learning Approach with Augmented CNNs	Angel Jean Vincy K, Saravanan Santhanam
10.54 am	25AE-CS 8047	Enhanced Diabetic Retinopathy Assessment Using Multiple Instance Learning and Explainable Vision Transformers Integrated with Generative Adversarial Networks	Manoranjitham R, Janish Raphel Dev R
11.06 am	25AE-CS 8049	Edge-AI Framework for Intrusion Detection in IIoT Networks Using Enhanced Deep Convolutional Neural Networks	Gowthamani R, Oswalt Manoj S, Madhumitha R, Mugil S, Naveen M
11.18 am	25AE-CS 8053	Commercial Plants Leaf Disease Detection in Coastal and Malnad region of Karnataka using CNN, DenseNet121 and Inception V3	Arhath Kumar, Prajwal Kumar
11.30 am	25AE-CS 8054	Decentralized Health Monitoring with IoT	Aishwarya londhe, Krishna Gupta, Vaibhav Yavalkar, Tushar Goud, Mahesh Pawaskar, Abhijeet Dada Mote
11.42 am	25AE-CS 8055	Optimizing Feature Selection and Classification for Multi-Stage Cyber Attacks in IoT Networks	Jayashree K K, S Rachana, Sowparnika M S, Athira Prasad
11.54 am	25AE-CS 8058	VISION: Video Inpainting for Seamless Instant Object Removal and Background Reconstruction	Priyanka Kumari, Nishita Gopi, Greeshma D Holeyannavar, Surabhi Narayan, Sindhu R Pai
12.06 pm	25AE-EC 3007	Enhanced Image Encryption Using Chaotic Systems and Rubik's Cube Transformations: A Comparative Performance Analysis	S. Sharmila, R. S. Bhuvaneshwaran, Dhandapani Vaithiyanathan
12.18 pm	25AE-EC 3008	Gallium Phosphide based Tunable Wideband Photodetector with High Responsivity in Vis-NIR	Abha Maurya, Dhandapani Vaithiyanathan, Anuj K. Sharma
12.30 pm	25AE-CS 4082	Autism Spectrum Disorder Analysis Using Logistic Regression, XGB Classifier and SVM	J. Jeya A Celin, Kailasam Selvaraj, Narayane N, Sowmiya N, Pearlin D, Sharmila N.

Session 18: CS#13 (ONLINE)

Date: 25.04.2025

Time: 10.30 am to 12.30 pm

Session Chair(s):

1.

Time	Paper ID	Title of the paper	Author Name(s)
10.30 am	25AE-CS 8064	Hybrid Deep Learning Model for Mood-Driven Song Recommendations	B.Usha Sri, Chaganti Santhosh Kumar Reddy, Chiluveri Rithish Kumar, Akula Vyshnavi, Buttagalla Vinod
10.42 am	25AE-CS 8068	Price Minds: AI-Driven Insights, Recommendations and Dynamic Pricing	Sakshi Ashok, Athulya S, Jyothi Thomas
10.54 am	25AE-CS 8070	Harnessing LSTM Networks for Effective Speech Emotion Recognition	Anantha Murthy, Meghana D S, Nitheesh Kumar B S
11.06 am	25AE-CS 8087	AI-Driven Legal Assistance: Optimizing Document Retrieval and Case Classification with NLP Techniques	Mahima Raje Singh, Sartaj Ahmad, Khushi Sharma, Prakriti Sharma, Pranjali Kaushik
11.18 am	25AE-CS 8091	Secure Healthcare Authentication Protocol for Healthcare System with Modified Elliptic Curve Cryptography with Logistic Chaotic Encryption	Anandhi T, A. Sivasangari
11.30 am	25AE-CS 9001	Integrating Machine Learning and Gene Expression Analysis for Dementia Subtype Classification and Biomarker Discovery	Rishi Mrinal, Pravir Kumar
11.42 am	25AE-CS 9003	Gaze-Based Fake News Detection: Insights from the FakeNewsPerception Dataset	Abhinav Saluja, Nishit Kumar, Sricharan Silaparasetty, Jyotsna C., Amudha J.
11.54 am	25AE-CS 9006	Enhancing D2C Business Models with EffectiveHub Distribution Strategies and Triple ConnectedCertified Domination of Some Graph Operation	S. Kaviya, G. Mahadevan, C. Sivagnanam
12.06 pm	25AE-CS 9007	Integrating Geographic Information System and Corona Covering Number for Optimal Healthcare Placement	Niveditha. P, G. Mahadevan and C. Sivagnanam
12.18 pm	25AE-CS 9012	Performance Analysis of Deep Learning and Machine Learning for Bird Species Recognition	B S CHANDRASHEKAR, H.S.Nagendraswamy, M P Pavan Kumar

Session 19: EC#03 (ONLINE)

Date: 25.04.2025

Time: 10.30 am to 12.40 pm

Session Chair(s):

1.

Time	Paper ID	Title of the paper	Author Name(s)
10.30 am	25AE-EC 2061	Predictive Maintenance System with Secure Data Transmission using Machine Learning and Signal Processing Techniques for Vibration Analysis	Siddharth Bhorge, Vijay Mane, Uma S. Salunkhe, Sankalp Sunil Savane, Shubham Nilesh Puniwala, Vedant Nitin Rane
10.42 am	25AE-EC 2063	A Secure Hybrid Watermarking Framework Using DWT, SVD and Elliptic Curve Cryptography	Satyanarayana Murty. P, Kosuru Asha, S.V.K.S. Pratyusha
10.54 am	25AE-EC 2070	Facial Image-Based BMI Estimation Using ResNet50 for Obesity Screening	Naregalkar Akshaykumar Rangnath, B. Kruthi, N. Priyanka, B. Sunnith Vardhan
11.06 am	25AE-EC 2076	Isolation Enhancement of Multiple-Slot MIMO Antenna design for UWB Applications	K. Vara Prasad, Kora Madhusudhan Rao, Kurakula Jaya Naga Sai Manikanta, Guttikonda Manideep, Koduri Naga Rajani, Shaik Mohammad Irfan
11.18 am	25AE-EC 2077	Enhanced Medical Imaging-Based Classification Systems for Bone Health	Dharun Kumar P, Dhruv Kumar, Sugesh Raj, Jayashree M. Oli, N. Neelima
11.30 am	25AE-EC 2085	High-Performance 4-Bit DAC and Operational Amplifier Integration for Advanced ADC Systems	E.Chandrasekhar, K. Ramanjaneyulu, Pallati Rama Rohith
11.42 am	25AE-EC 2091	Performance Evaluation of a Low Pass Filter Based on Super-Source Follower Using 18nm Technology	Ashish Pathak, Manoj Kumar
11.54 am	25AE-EC 2093	Designing of Differential dual cell-based Ring VCO using 45nm CMOS Technology	Anuj, Manoj Kumar
12.06 pm	25AE-EC 2099	Circuit Scan: PCB Error Detection using Microcontroller	Neethan Elizabeth Abraham, Joseph Biju, Nandu Krishna S, Navneeth Sunil Varrma
12.18 pm	25AE-EC 3000	A Compact Pharaonic Ankh-Key Array Antenna for Millimeter Wave Applications	K.Sneha, CH.Mahesh, A.Samuel, B.SuryaTeja
12.30 pm	25AE-EC 4001	A Miniaturized Elliptical Patch Antenna for Implantable Wireless Biotelemetry Applications at 2.45 GHz	Akshaya U, Jerritta Selvaraj