		Track 1: Innovative Solutions for Healthcare			
		Day 1; 12th March 2026 (Thursday)			
		Time of Sessions: TS-T1-S1 (9:00 AM –11:00 AM); TS-T1-S2 (12:00 Noon - 1:00 PM); TS-T1-S3 (2.00 PM-3.30 PM); TS-T1-S4 (3.30 PM-5.00 PM)			
Paper ID	**Paper Title**	**Name of the Paper Presenter with affiliation**	**Name and Affiliation of all Authors**	**Mode of the Presentation**	**Session Allocated**
247	Data Imbalance in Binary Outcomes: A Comparative Study of Classifiers on Healthcare Datasets	Mr. Joshua Remlalliana (VFSTR, Vadlamudi, Guntur, A.P.)	Joshua Remlalliana (VFSTR, Vadlamudi, Guntur, A.P.), S. Parthiban (VFSTR, Vadlamudi, Guntur, A.P.) and P. Vidya (VFSTR, Vadlamudi, Guntur, A.P.)	Online	**TS-T1-S1**
271	Explainable Machine Learning Models for Dual Diagnosis of Osteoporosis and Osteoarthritis from Knee X-rays	Sanika M. Rangayyan (Research Assistant, PES Center for Pattern Recognition, PES University)	Sanika M. Rangayyan (Research Assistant, PES Center for Pattern Recognition, PES University), Divya K (Research Assistant, PES Center for Pattern Recognition, PES University), Ishaan Shettigar(Research Assistant, PES Center for Pattern Recognition, PES University), Jimish Mrug (Research Assistant, PES Center for Pattern Recognition, PES University), Rajesh R (Head of Department of Radiology, Mandya Institute of Medical Sciences), Gowri Srinivasa (Professor, PES University)	Online	**TS-T1-S1**
324	Quantum-Driven Predictive Analytics for Precision Medicine and Pharmacovigilance: A Multimodal Simulation Framework for Early Disease and Adverse Drug Event Detection	Bhawna (Chandigarh University)	Author 1 Amit Kumar Jaiswal (Chandigarh University), Author 2 Bhawna (Chandigarh University), Author 3 Harsh Kumar Yadav (Chandigarh University), Author 4 Priyanshu Kumar (Chandigarh University).	Online	**TS-T1-S1**
356	Comparison of Deep Learning Based Models for Tuberculosis Chest X-ray Segmentation	Sowmya Bhat (Affiliation 1: Manipal Institute of Technology Manipal Academy of Higher Education Manipal, India Affiliation 2: 2Department of Electronics and Communication Engineering Shri Madhwa Vadiraja Institute of Technology and Management Bantakal, India)	Sowmya Bhat (MIT, MAHE, Manipal, India and SMVITM, Bantakal, India), Dr. Satyajit Mahapatra (MIT, MAHE, Manipal, India), Dr. Krishna Prakasha K (MIT, MAHE, Manipal, India), Dr. Shashank Shetty (NMAMIT, Nitte, Karnataka, India)	Online	**TS-T1-S1**
406	A Tuberculosis Detection Neural Network Model in Chest Radiographs.	Chinthakunta Poojitha (Narasaraopeta Engineering College)	Chinthakunta Poojitha (Narasaraopeta Engineering College), Gaddam Santhi (Narasaraopeta Engineering College), Kanjula Supraja (Narasaraopeta Engineering College), Patchava Vijaya Lakshmi (Narasaraopeta Engineering College), Dr. B. Jhansi Vazram (Narasaraopeta Engineering College), Inti Laxmi Bindu (GRIET College), Vysyaraju Lokesh Raju (Aditya Institute of Technology and Management)	Online	**TS-T1-S1**
421	Assessing Quality of Life Among Students in Technical Education: A Cross-Sectional Analysis	Nargis Fatima(Uttaranchal School of Computer Sciences, Uttaranchal University, Dehradun, Uttarakhand)	Author 1: Nargis Fatima (Uttaranchal School of Computing Sciences, Uttaranchal University), Author 2: Swati Singh (Uttaranchal School of Computing Sciences, Uttaranchal University), Author 3: Manisha Saini (Uttaranchal School of Computing Sciences, Uttaranchal University), Author 4: Priyank Sharma (IIMT University), Author 5: Ankur Goel (Meerut Institute of Technology), Author 6: Manisha Khanduja (Uttaranchal School of Computing Sciences, Uttaranchal University)	Online	**TS-T1-S1**
570	Intelligent MRI-Based Framework for Alzheimer's Diagnosis with Deep Learning	Navya Adapala (Narasaraopeta Engineering College -Student)	1.Polavarapu Neelima Dept. of CSE (AI) Narasaraopeta Engineering College, Narasaraopet, India 2.Navya Adapala Dept. of CSE (AI) Narasaraopeta Engineering College, Narasaraopet, India 3.Saheda Shaik Dept. of CSE (AI) Narasaraopeta Engineering College, Narasaraopet, India 4.Aveela Jangala Dept. of CSE (AI) Narasaraopeta Engineering College, Narasaraopet, India 5.Dr. V. Chittibabu Dept. of Mechanical Engineering AITM. Tekhali, Andhra Pradesh, India 6.R. Aruna Flarence Dept. of CSE GRIET, Hyderabad, Telangana, India	Online	**TS-T1-S1**

704	MediVault - Your Medical Wallet	Jayani Nirupa V (Sri Sairam Institute of Technology)	R.Jegatha (Sri Sairam Institute of Technology), Jayani Nirupa V (Sri Sairam Institute of Technology), Saivarshaa S (Sri Sairam Institute of Technology), Krithika G (Sri Sairam Institute of Technology)	Online	TS-T1-S1
714	Comparative Analysis of Machine Learning and Deep Learning Models for Mental Health Classification: A Comprehensive Study	Sameer Barwal (Chandigarh University, Mohali, Punjab)	Sameer Barwal (Chandigarh University), Shiv K. Sharma (Chandigarh University)	Online	TS-T1-S1
743	Hybrid Classical Quantum Framework with Self-Attention for Breast Cancer Classification	Mariya Shalini P (Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology.)	Rohit Venkata Sai Desu (Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology), Jose P (Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology), Mariya Shalini P (Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology)	Online	TS-T1-S1
764	Multimodal Hand Gesture Recognition with Cross-Validated Machine Learning Models	Gurleen Rehal(TIET-Patiala)	Author 1 Purnima Adhikari(TIET-Patiala), Author 2 Aditi D.K Gupta(TIET Patiala), Author 3 Gurleen Rehal(TIET Patiala), Author 4 Prabhmeet Kaur(DSEU), Author 5 Jyotindra Narayan(IIT Patna)	Online	TS-T1-S1
883	Design and Development of Low Cost Portable Ventilator with Remote Access	Dr. Katam Nishanth (NIT Hamirpur)	Dr. Katam Nishanth (NIT Hamirpur), Priyanshu Pant (NIT Hamirpur), Aryan Bhardwaj (NIT Hamirpur), and Pratyaksh Saini (NIT Hamirpur)	Online	TS-T1-S1
1001	Privacy Meets Profit: Federated Learning in Metaverse Healthcare	Shashwata Sahu (KIIT DEEMED TO BE UNIVERSITY)	Shashwata Sahu (KIIT DEEMED TO BE UNIVERSITY), Navonita Mallick (KIIT DEEMED TO BE UNIVERSITY), Parthasarathi Pattnayak (KIIT DEEMED TO BE UNIVERSITY), Ramesh Chandra Sethi (KIIT DEEMED TO BE UNIVERSITY), Prativa Panda (KIIT DEEMED TO BE UNIVERSITY), Arpeeta Mohanty (KIIT DEEMED TO BE UNIVERSITY)	Online	TS-T1-S2
1043	Comparative analysis of machine learning service in diagnosing parkinsonism by speech pattern	Adipudi Wijaya Wani(Narasaraopet Engineering College)	Adipudi wijaya wani (Narasaraopeta Engineering College), Panitham Madhavi (Narasaraopeta Engineering College), Thummalagunta Sowjanya (Narasaraopeta Engineering College), T.V.Manohar (Narasaraopeta Engineering College), Dr. B. Jhansi Vazram (Narasaraopeta Engineering College), Gotlur Karuna (GRIET College), Dr.V.Ashok Kumar(Aditya Institute of Technology and Management)	Online	TS-T1-S2
1057	Adaptive Multi-Kernel Attention Framework for Multimodal Healthcare Data Integration and Disease Classification	Dr. Arun Singh Yadav (GLA University Mathura)	Arun Singh Yadav (GLA University), Surendra Kumar(GLA University), Shubham Shukla (GLA University), Soumya Shrivastava(GLA University), Jaydip Kumar (COER University)	Online	TS-T1-S2
1074	Interpretable Transfer Learning System for Multi-Class Lung Cancer Identification Using Enhanced CT Imaging	Uday Raj (CMR Institute of Technology Bengaluru)	Savitha N J (CMR Institute of Technology Bengaluru), Uday Raj (CMR Institute of Technology Bengaluru), Sathvik T Soged (CMR Institute of Technology Bengaluru), Sandeep Jadhav (CMR Institute of Technology Bengaluru)	Online	TS-T1-S2
1178	LIREX-CAD: A Hybrid Explainable AI Framework with Tree-Based Residual Learning for the Early Prediction of Coronary Artery Disease (CAD)	Monisha S, II MCA Student, Department of Computer Applications, Periyar Maniammai Institute of Science & Technology	Monisha S, Department of Computer Applications, Periyar Maniammai Institute of Science & Technology, Jeyachidra J , Department of Computer Applications, Periyar Maniammai Institute of Science & Technology	Online	TS-T1-S2
3771	Automated Diagnostic System for Leukaemia Using CNN-Based Image Analysis	Gaurav Tuteja (Chitkara University Institute of Engineering and Technology Chitkara University, Rajpura-140401 Punjab, India)	Gaurav Tuteja (Chitkara University), Kanegonda Ravi Chythanya (SR University), Neha Sharma (CGC University), Preeti Badhani (Graphic Era Hill University), Garima Jaitly (Graphic Era (Deemed to be) University)	Online	TS-T1-S2
3781	Multimodal Medical Image Fusion using Dilated ResNet with Region Attention module	Harmanpreet Kaur (Chandigarh University, Mohali)	Harmanpreet Kaur (Chandigarh University, Mohali), Swati Katwal (Chandigarh University, Mohali), Anjna Kumari (CGC University, Jhanjeri), Kushangi Pathak (Chandigarh University, Mohali)	Online	TS-T1-S2
3260	A Systematic Comparison of Deep Learning Models for Single-Trial P300 Detection in Autism Spectrum Disorder	Anupam Das (KIIT Deemed to be University, Bhubaneswar)	Anupam Das (KIIT Deemed to be University , Bhubaneswar), Prasant Kumar Pattnaik (KIIT Deemed to be University , Bhubaneswar), Pritam Debnath (Adamas University, Kolkata), Kamruzzaman Mondal (Adamas University, Kolkata), Anjan Bandyopadhyay (KIIT Deemed to be University , Bhubaneswar), Anirban Mitra (Eastern International University ,Ho Chi Minh City, Vietnam)	Online	TS-T1-S3
1226	Spiking Neural Network Based Framework for Breast Cancer Detection	Ms. JUHI FARIDI (Z.H.C.E.T., Aligarh Muslim University, Aligarh)	Ms. Juhi Faridi (Aligarh Muslim University) Prof. Mohd. Hasan (Aligarh Muslim University) Prof. Omar Farooq (Aligarh Muslim University)	Online	TS-T1-S3

1265	Blockchain-Enabled Healthcare Management System using Role-Based Access Control Smart Contract	Tamilarasi R	Dr. K. Anand, M.E, Ph.D and Tamilarasi R.	Online	**TS-T1-S3**
1291	Battle of the Algorithms: ML vs DL for Explainable Emotion Recognition from EEG Brainwaves	Vaibhav Vishal (Amity Institute of Information Technology, Amity University, Noida)	Vaibhav Vishal (Amity Institute of Information Technology, Amity University, Noida), Neha Prerna Tigga (Amity Institute of Information Technology, Amity University, Noida)	Online	**TS-T1-S3**
1349	A Machine Learning Biosignal Monitoring System for Pre-Anaphylactic Risk Prediction and Autonomous Intervention	Sameera Jape (Vishwakarma Institute of Technology, Pune, India)	Pranali Chavhan (VIT Pune), Vijayshri Khedkar (Symbiosis Institute of Technology, Pune), Sameera Jape (VIT Pune), Sanchita Desai (VIT Pune), Ramya Purohit (VIT Pune), Sarvesh Rathod (VIT Pune)	Online	**TS-T1-S3**
1370	Sleep Disorder Classification Using Optimized Ensemble Machine Learning and Genetic Algorithms	Kosana Venkata Navadheer(Narasaraopet Engineering College - Narasaraopet)	Kosana Venkata Navadheer (Dept. of CSE (Artificial Intelligence) Narasaraopeta Engineering College) ,Kalupukuri Santhosh Kumar,Dept. of CSE (Artificial Intelligence) Narasaraopeta Engineering College),Jayanth Devisetty,Dept. of CSE (Artificial Intelligence),Narasaraopeta Engineering College),Kakkera Prasanthi ,Dept. of AI and IT, Narasaraopeta Engineering College),Dr. U.D.Prasan ,Dept. of CSE, Aditya Institute of Technology and Management (A)), K. Adilakshmi,Dept. of CSE, GRIET)	Online	**TS-T1-S3**
1388	Multi-Modal Deep Learning Framework for Endometrial Cancer Subtype Classification	Ms. Harshitha(Dept. of CSE, AJIET, Mangaluru)	Ms. Dhanya V Shetty(Dept. of CSE, AJIET, Mangaluru) Ms. Harshitha(Dept. of CSE, AJIET, Mangaluru) Ms. R Raksha(Dept. of CSE, AJIET, Mangaluru) Ms. Sthuthi Dolpady(Dept. of CSE, AJIET, Mangaluru) Mrs. Snitha Shetty(Dept. of CSE, AJIET, Mangaluru) Mrs. Sharon C Dsouza(Dept. of CSE, AJIET, Mangaluru)	Online	**TS-T1-S4**
1395	A Fused Ensemble Learning Approach for Early Heart Disease Prediction	Narayan Jee (COER University Roorkee)	Narayan Jee (COER University Roorkee), Gesu Thakur (COER University Roorkee), Sumit Kumar (Shivalik College of Engineering Dehradun)	Online	**TS-T1-S4**
1422	Machine Learning Techniques for Voice-Based Parkinson's Disease Detection	Trupthi Rao(Dayananda Sagar University)	Dr. Abdul Haq Nalband(DAYANANDA SAGAR University),Trupthi Rao(DAYANANDA SAGAR University),Nishvika Teja Reddy(DAYANANDA SAGAR University),Niharika.N(DAYANANDA SAGAR University),Jayashree K.R(DAYANANDA SAGAR University),J.Pallavi(DAYANANDA SAGAR University)	Online	**TS-T1-S4**
1469	Generative Design, Modeling and Control of an End-Effector Device for Upper-Limb Rehabilitation	Sushant Kumar (Student-IIT Patna)	Sushant Kumar (Department of Mechanical Engineering, IIT Patna) Ritesh Raj (Department of Mechatronics and Automation, IIIT Bhagalpur) Jyotindra Narayan (Department of Mechanical Engineering, IIT Patna) Mahavir Singh (Department of Mechanical Engineering, IIT Patna)	Online	**TS-T1-S4**
1474	NeuroScan: A Comprehensive Deep Learning Framework for Automated Brain MRI Tumor Detection and Multi-Class Classification	Mr. Prathamesh S Vadatille (Indian Institute of Information Technology Manipur)	Author 1: Prathamesh S Vadatille (Indian Institute of Information Technology Manipur), Author 2: Dr. Moirangthem Dennis Singh (National Institute of Technology Manipur), Author 3: Dr. Khoirom Motilal Singh (Indian Institute of Information Technology Manipur)	Online	**TS-T1-S4**
1822	Hybrid Clinical–Fundus Model for Diabetes Classification	Devnihil S (School of Artificial Intelligence Amrita Vishwa Vidyapeetham Ettimadai, India) , Sri Venkada Krishnan S (School of Artificial Intelligence Amrita Vishwa Vidyapeetham Ettimadai, India) , S Ajay Vikram (School of Artificial Intelligence Amrita Vishwa Vidyapeetham Ettimadai, India)	Author 1 Devnihil S (School of Artificial Intelligence Amrita Vishwa Vidyapeetham Ettimadai, India) Author 2 Sri Venkada Krishnan S (School of Artificial Intelligence Amrita Vishwa Vidyapeetham Ettimadai, India) Author 3 S Ajay Vikram (School of Artificial Intelligence Amrita Vishwa Vidyapeetham Ettimadai, India)	Online	**TS-T1-S4**
2950	Wavelet Transform and Attention Mechanism Based Medical Image Super-Resolution Reconstruction Algorithm	Harmanpreet Kaur (Chandigarh University, Mohali)	Harmanpreet Kaur (Chandigarh University, Mohali), Swati Katwal (Chandigarh University, Mohali), Sudipti (CGC University, Jhanjeri), Kushangi Pathak (Chandigarh University, Mohali)	Online	**TS-T1-S4**
2022	AI-Driven Disease Risk Prediction and Personalized Nutrition through ML, XAI, and Q-Learning	Puvvada Vamsidhar (Amrita Vishwa Vidyapeetham)	Dr. Ravishankar Desai, Vamsidhar Puvvada , Lokesh Settypalli, Suvarna Kancharapu and M Bhanu Prathap Reddy	Online	**TS-T1-S4**
Day 2; 13th March 2026 (Friday)					
Time of Sessions: TS-T1-S5/S6 (9:00 AM –10:30 AM); TS-T1-S7/S8 (2:30 PM - 4:00 PM); TS-T1-S9/S10/S11 (5:00 PM –6:30 PM)					

2111	Enhancing Diabetic Retinopathy Detection with ResNet 50	P. Srija Reddy (Vardhaman college of Engineering)	Author 1 P. Srija Reddy (Vardhaman College of Engineering) Author 2 C.Akhil (Vardhaman College of Engineering) Author 3 G.Sai Charan (Vardhaman College of Engineering) Author 4 Polisetty Swetha (Vardhaman College of Engineering) Author 5 Ganesh B. Regulwar (Vardhaman College of Engineering) Author 6 Parikshit N. Mahalle (Vishwakarma Institute of Technology)	Online	**TS-T1-S5**
3263	DualFusion SwinConv-UNet++: A Hybrid CNN–Transformer Framework for Thyroid Ultrasound Image Segmentation	Smitirekha behuria (KIIT Deemed to be University Bhubaneswar)	Smitirekha Behuria (KIIT Deemed to be University), Sujata Swain (KIIT Deemed to be University), Kriti Raj (KIIT Deemed to be University), Anjan Bandyopadhyay (KIIT Deemed to be University)	Online	**TS-T1-S5**
2344	Transfer Learning-based Deep Feature Extraction with XGBoost and xAI for Melanoma Detection	Kushal Mondal (Narula Institute of Technology)	Ritwika Mukherjee (Narula Institute of Technology), Shilpa Roy (Narula Institute of Technology), Kushal Mondal (Narula Institute of Technology), Swastik Nayek (Narula Institute of Technology), Anish Halder (Narula Institute of Technology), Tathagata Chatterjee (Narula Institute of Technology)	Online	**TS-T1-S5**
2491	Multi-Domain EEG Fusion and Hybrid Ensembles for ADHD Subtype Intelligence	Ms. Angela Ann Mathew(Department of Data Science and Cybersecurity,Karunya Institute of Technology and Sciences)	Author 1 Ms. Angela Ann Mathew(Department of Data Science and Cybersecurity, Karunya Institute of Technology and Sciences), Author 2 Dr. Nirmal Varghese Babu P(Department of Data Science and Cybersecurity, Karunya Institute of Technology and Sciences), Author 3 J. S Rajkumar(Division of Artificial Intelligence and Machine Learning, Karunya Institute of Technology and Sciences)	Online	**TS-T1-S5**
2532	Lung Disease Classification through DeepLabV3 Segmentation and Swin Transformer on CLAHE-Processed X-rays	Pranesh C (Kongu Engineering College)	Pranesh C (Kongu Engineering College), Prasanna S (Kongu Engineering College), Ragul E S (Kongu Engineering College), Dr. Kavitha S (Kongu Engineering College), Dr. Sasipriyaa N (Kongu Engineering College), Vanaja T (Kongu Engineering College)	Online	**TS-T1-S5**
2568	The M-ArEye Database: A Multimodal Resource for Affect Recognition in Visually Impaired Children	Kavita Choudhary(IET-DAVV,Indore)	Kavita Choudhary(IET,DAVV),Dr G.L Prajapati(IET,DAVV)	Online	**TS-T1-S5**
2870	Privacy-Preserving Medical AI via ADMM-Enhanced Federated Learning on Structured and Imaging Data	Arnita N (Amrita School Of Artificial Intelligence, Coimbatore, Amrita Vishwa Vidyapeetham, India)	Author 1: Arnita N (Amrita School Of Artificial Intelligence, Coimbatore, Amrita Vishwa Vidyapeetham, India) Author 2: K Thanmai Sai (Amrita School Of Artificial Intelligence, Coimbatore, Amrita Vishwa Vidyapeetham, India) Author 3: R Sai Pranavi (Amrita School Of Artificial Intelligence, Coimbatore, Amrita Vishwa Vidyapeetham, India) Author 4: Raksiitha Dasari (Amrita School Of Artificial Intelligence, Coimbatore, Amrita Vishwa Vidyapeetham, India)	Online	**TS-T1-S6**
170	Sleep Stage Prediction with Variational Autoencoder Augmentation and Hybrid CNN-GRU using Consumer Wearable Data	Neelansh Kumar (Pandit Deendayal Energy University, Gandhinagar)	Neelansh Kumar (Pandit Deendayal Energy University, Gandhinagar), Dr. Santosh Kumar Satapathy (Pandit Deendayal Energy University, Gandhinagar), Rudra Vyas (Pandit Deendayal Energy University, Gandhinagar), Vivek Jadav (Pandit Deendayal Energy University, Gandhinagar), Dr. Nibedita Das (Tecnia Institute of Advanced Studies), Dr. Suren Kumar Sahu (GITA Autonomous College)	Offline	**TS-T1-S6**
4651	A taxonomical approach to HRV analysis using ECG and PPG: Techniques, Advances, and Applications	Dr. Ashish Kumar (Bennett University Greater Noida)	Kishan Yumnam (Bennett University Greater Noida), Vipul Dixit (Bennett University Greater Noida), Ashish Kumar (Bennett University Greater Noida)	Offline	**TS-T1-S6**
4654	Computational Identification of Differentially Expressed Genes for Biomarker Discovery in Amyotrophic Lateral Sclerosis.	Ms. Sanskriti Yadav (Delhi Technological University, Delhi)	Sanskriti Yadav (Delhi Technological University, Delhi), Prof. Pravir Kumar (Delhi Technological University, Delhi)	Offline	**TS-T1-S6**
4653	Computational Identification of BUB1B-Targeting Phytochemicals for GBM Therapy Using Molecular Docking	Ms. Smita Yadav (Delhi Technological University, Delhi)	Smita Yadav (Delhi Technological University ,Delhi), Prof. Pravir Kumar (Delhi Technological University ,Delhi)	Offline	**TS-T1-S6**
4652	MDVP: Fo, spread2, and PPE emerge as Reproducible Biomarkers for Early Screening of Parkinson's Disease	Ms. Aastha Kaushik (Delhi Technological University, Delhi)	Aastha Kaushik (Delhi Technological University, Delhi), Prof. Pravir Kumar (Delhi Technological University, Delhi)	Offline	**TS-T1-S6**
4649	In silico Exploration of DJ-1 Redox Modulators for Parkinson's Disease Therapeutics	Ms. Nishita Singh (Delhi Technological University, Delhi)	Nishita Singh (Delhi Technological University, Delhi), Prof. Pravir Kumar (Delhi Technological University, Delhi)	Offline	**TS-T1-S6**
1338	U-Net with Multiple Attention Mechanisms for Brain Tumor Segmentation	Dr. Shyam Singh Rajput	Mr. Naveen Kumar Tiwari (PhD Scholar, NIT Patna), Dr. Shyam Singh Rajput (Assistant Professor, NIT Patna), Anuj Kumar Chauhan (B.Tech final year, REC Kannauj)	Offline	**TS-T1-S7**
3134	A Triple-Loss Optimized U-Net Framework for Accurate Pancreas Segmentation in CT scans	P K Thariq Ahmed, Dr. N GANESH	P K THARIQ AHMED (School of Computer Science and Engineering, Vellore Institute of Technology, Chennai, India), Dr. N GANESH (School of Computer Science and Engineering, Vellore Institute of Technology, Chennai, India)	Online	**TS-T1-S7**

3210	Improving rTMS Response Prediction in Depression using Augmented fMRI Connectivity Data	Mr. Sumant Sharma (Dr. B. R. Ambedkar NIT, Jalandhar)	Author 1 Sumant Sharma (Dr. B. R. Ambedkar NIT, Jalandhar)	Online	**TS-T1-S7**
3340	DermaAI - AI based approach for facial acne detection and skincare product recommendation	Mrunal Tayde (AISSMS IOIT Pune)	Mrunal Tayde (AISSMS IOIT Pune) , Shloka Pharande (AISSMS IOIT Pune) , Pranjali Rathod (AISSMS IOIT Pune) , Dr. Archana Said (AISSMS IOIT Pune)	Online	**TS-T1-S7**
3384	A Survey on Privacy-Preserving Clustering Techniques: From K-Anonymity to Federated Learning	Sachidanand (MANIT Bhopal)	Sachidanand (MANIT Bhopal), Pragati Agrawal (MANIT Bhopal), Sreemoyee Biswas (IIIT Bhopal)	Online	**TS-T1-S7**
3496	Blockchain-Enabled Healthcare Data Management: A Decentralized Approach for Electronic Health Records, Remote Patient Monitoring, and Data Security	Pranish K (AVV Chennai)	Pranish K (AVV CHENNAI) , Suriya Kumar M (AVV CHENNAI) , K Geetha (AVV CHENNAI)	Online	**TS-T1-S7**
3515	Phonocardiogram Signal Processing With Heart Sound Classification Using Transfer Learning.	BIRENDRA KUMAR PAL	Birendra Kumar Pal,Laxmi Rajani,Pragati Agrawal	Online	**TS-T1-S7**
3523	SPI Enabled 64x8 SRAM Memory Design for Biomedical Applications	Shivangi Mishra (IIT Indore)	Shivangi Mishra (IIT Indore) , M Chandu (IIT Indore), Dr. Santosh Kumar Vishvakarma (IIT Indore)	Online	**TS-T1-S7**
3554	An Ensemble Learning Framework for Heart Disease Risk Stratification Using Population-Based Health Survey Data	Amarjeet Raj (MANIT BHOPAL)	Amarjeet Raj (MANIT Bhopal), Vasudev Dehalwar (MANIT Bhopal), Deepak Singh Tomar (MANIT Bhopal)	Online	**TS-T1-S8**
3669	SHAP-Optimized Explainable Computational Intelligence Models for Interpretable Chemotherapy Adverse Event Prediction	Dr.M.Kathiravan (SIMATS Chennai)	M. KATHIRAVAN (SAVEETHA INSTITUTE OF MEDICAL AND TECHNICAL SCIENCES)	Online	**TS-T1-S8**
3687	A TRANSPARENT DEEP LEARNING FRAMEWORK FOR EARLY PARKINSON'S DIAGONSIS USING HAND-DRAWN POINT CLOUD	Ananthakumar S. (Department of Computer Science and Engineering, Kongu Engineering College, Erode)	Dr. S. Malliga (Dept. of CSE, Kongu Engineering College, Erode), Ananthakumar S. (Dept. of CSE, Kongu Engineering College, Erode), Deepiga P. (Dept. of CSE, Kongu Engineering College, Erode), Dharshini S. (Dept. of CSE, Kongu Engineering College, Erode)	Online	**TS-T1-S8**
3688	3D MRI-Based Classification of Alzheimer's Disease, Mild Cognitive Impairment and Cognitively Normal Subjects Using Deep Learning	Utsav Modi (PDEU)	Utsav Modi (PDEU), Jay Patel (PDEU), Nandini Modi (PDEU)	Online	**TS-T1-S8**
3202	SmartDiabX: An End-to-End AI System for Predicting Undiagnosed Type II Diabetes		Alexander Harmon, PSU; Carson Stottmann, PSU; Pranav Palla, PSU; Dinesh Jackson Samuel Ravindran, PS	Online	**TS-T1-S8**
1223	Natural Language Processing Applications in Healthcare Technologies		Author 1 Revathi Kadari , Author 2 Raji Sundarajan (Dr)	Online	**TS-T1-S8**
2139	TinyViT: A Lightweight Vision Transformer for Accurate and Interpretable Brain Tumor Classification	Md. Shakhauat Hossan Sumon	Mohammad Shahin Uddin(IIUC, Bangladesh)	Online	**TS-T1-S8**
1272	Improvement in Automated Diagnosis of Soft Tissues Tumors Using Deep Learning	Maheen Mohamed Ismayeel M (Student - VCET, Erode)	Maheen Mohamed Ismayeel M (Student - VCET, Erode) Lanisa Bharathi K (Student - VCET, Erode) Sri Guru Visnu K (Student - VCET, Erode) Dr. Russia S (Professor - VCET, ERODE) Dr. Jabeen Begum S (Professor - VCET, Erode) Dineshkumar V (Assistant Professor- VCET, Erode)	Online	**TS-T1-S8**
3874	Artificial Intelligence in Healthcare: Applications, Benefits, Challenges, and Future Directions		Manu Chaudhary (Illinois State University) and Vijay Devabhaktuni (Illinois State University)	Online	**TS-T1-S9**
227	AI-Enabled Low-Power IoT for Child Safety in Schools: A Legal-Technical Framework for Sustainable Protection	Navonita Mallick, KIIT Deemed to be University	Navonita Mallick (KIIT Deemed to be University), Hiranmaya Nanda (KIIT Deemed to be University), Shashwata Sahu (KIIT Deemed to be University), Parthasarathi Pattnayak (KIIT Deemed to be University), Arpeeta Mohanty (KIIT Deemed to be University), Tulip Das (KIIT Deemed to be University)	Online	**TS-T1-S9**
1134	Grad-CAM Assisted Eye Disease Classification Using Multi-Stage CNN with OCT C8 and Eye Disease 101 Datasets	Alugula Eminejar (Narasaraopeta Engineering College)	Alugula Eminejar (Narasaraopeta Engineering College), Guduguntla Lokesh (Narasaraopeta Engineering College), Nidamanuri Venu (Narasaraopeta Engineering College), Moulali Noorbhash (Narasaraopeta Engineering College), Gotlur Karuna (GRIET), Venkata Ramana Menda (Aditya Institute of Technology and Management)	Online	**TS-T1-S9**
2691	Genomics Big Data Analytics for Disease Prediction Using Transformer Based Deep Learning with Explainable Insights on the TCGA Dataset	Poovarasan P (St. Joseph's College of Engineering)	Poovarasan P (St. Joseph's College of Engineering), Prabakaran K (St. Joseph's College of Engineering), Radhakrishnan K R (St. Joseph's College of Engineering)	Online	**TS-T1-S9**

3073	Explainable Multi-Modal AI for Brain Tumor Segmentation and Radiotherapy Planning	Dr Chetan Khemraj Lanjewar (Department of CSE IIMT College of Engineering Greater Noida, India)	Dr Chetan Khemraj Lanjewar (Department of CSE, IIMT College of Engineering Greater Noida, India), Dr L Suresh Kumar (Department of mechanical engineering, Chaitanya bharathi institute of technology, Hyderabad, India), Prakash Selvam (Department of Mechatronics Engineering, Sona college of Technology, Salem, India), Abhishek Kumar Tiwari (Data Science Manager, ModMed India)	Online	**TS-T1-S9**
866	An Integrated CNN–Random Forest Framework for Automated Dermatological Disorder Identification	Chiranjeevi Aggala (Ramachandra College of Engineering, Eluru)	Anand Singh Bisen (Vikrant University), Ankur Kumar Meena (Madhav University), Chiranjeevi Aggala (Ramachandra College of Engineering), CH. Pradeep Reddy (CGC University), Hitendra Garg (GLA University), Vinod Sharma (PGV College)	Online	**TS-T1-S9**
873	Assessing Ethical Risks of Data-Driven Prediction Models in Healthcare AI	Raghavaiah Bonam (Ramachandra College of Engineering, Eluru)	Rachna Rathore(Independent Researcher), Rajendra Kumar (Madhav University), Raghavaiah Bonam (RAMACHANDRA COLLEGE OF ENGINEERING, ELURU), Deepika (CGC University), Rajesh Kumar Tripathi (GLA University), Vinod Sharma (Jiwaji University)	Online	**TS-T1-S9**
3076	Reinforcement Learning for Optimal Dialysis Scheduling and Resource Allocation in CKD	K Mounika (Department of CSE, Sreyas Institute of Engineering and Technology, Hyderabad, Telangana, India)	K Mounika (Department of CSE, Sreyas Institute of Engineering and Technology, Hyderabad, Telangana, India), Dr. L. Bhagyalakshmi (Professor and Head, Dept. of ECE, Rajalakshmi Engineering College, Chennai, TN, India), Dr. Sanjay Kumar Suman (Prof. and Head, Dept. of CSE-CS, Sri Shanmugha College of Engineering and Technology, Sankari, Salem, TN, India), Dr.Subha Balamurugan (Asst. Professor, Dept. of English, Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology, Chennai, TN, India), K. Karthick (Assistant Professor, Department of ECE, Chennai Institute of Technology, Chennai, Tamilnadu, India), Arshiya Begum (Department of CSE-DS, MLR Institute of Technology, Dundigal, Hyderabad, Telangana)	Online	**TS-T1-S9**
1041	Smart Vehicle Ignition System with Multi-Factor Authentication Using Raspberry Pi Pico	Madhusudhana M (Cambridge Institute of Technology - Bengaluru)	Madhusudhana M, Mohammed Sameer, Kiran R, Ammar Shibli, Shivapanchakshari T G	Online	**TS-T1-S10**
2293	Edge-Optimized Multimodal Generative Model For Clinical Report Generation	Keerthika S - M Kumarasamy College of Engineering	Sujanthi S - M Kumarasamy College of Engineering Arnesh R - M Kumarasamy College of Engineering Arsath Musammil M - M Kumarasamy College of Engineering Keerthika S - M Kumarasamy College of Engineering	Online	**TS-T1-S10**
3106	Explainable AI for Personalized Diagnosis and Treatment Planning in Multi-Modal Healthcare Data	Dr Raghu Dhumpati (Lecturer, Department of Computer Science, Bahrain Polytechnic, Bahrain)	Dr Raghu Dhumpati (Lecturer, Department of Computer Science, Bahrain Polytechnic, Bahrain), M. Ayyappa Chakravarthi (Associate Professor, Dept. of CSE-Data Science, KKR & KSR Institute of Technology and Sciences, Guntur, AP, India), G Bhavani (Department of CSE, Sreyas Institute of Engineering and Technology, Hyderabad, Telangana, India), Dr J Jesintha Princy (Asst. Professor, Dept. of English, Vel Tech Rangarajan Dr.Sagunthala R&D Institute of Science and Technology, Avadi, Chennai, Tamilnadu, India), Arulananth T S (Professor, Dept. of ECE, Chennai Institute of Technology, Chennai, TN, India), Subhashini Peneti (Department of CSE-DS, MLR Institute of Technology, Hyderabad, Telangana, India)	Online	**TS-T1-S10**

3037	Blockchain Enabled Secure Data Sharing for Distributed Healthcare Systems	G. Bhanu Prasad (Research Scholar, Department of Computer Science and Engineering GIT, GITAM DEEMED TO BE UNIVERSITY, Visakhapatnam, Andhra Pradesh, India)	G. Bhanu Prasad (Research Scholar, Department of Computer Science and Engineering GIT, GITAM DEEMED TO BE UNIVERSITY, Visakhapatnam, Andhra Pradesh, India), M. Venkateswara Rao (Professor, Department of Computer Science and Engineering GIT, GITAM DEEMED TO BE UNIVERSITY, Visakhapatnam, Andhra Pradesh, India)	Online	**TS-T1-S10**
3044	Deep Learning for Automated Lung Nodule Detection in Low-Dose CT scans	Santosh Reddy P (Department of Computer Science & Technology Dayananda Sagar University Bangalore,India)	Santosh Reddy P (Department of Computer Science & Technology, Dayananda Sagar University, Bangalore, India), Geeta L S (Department of Computer Science & Engineering BNM Institute of Technology Bangalore, India)	Online	**TS-T1-S10**
3068	Wearable Biosensor Fusion and Edge Analytics for Postpartum Uterine Health Monitoring	Kishore Kumar Venkatesan (Asst. Professor, Dept. of ECE Chennai Institute of Technology, Kundrathur, Chennai, TN, India)	Kishore Kumar Venkatesan (Asst. Professor, Dept. of ECE, Chennai Institute of Technology, Kundrathur, Chennai, TN, India), Ramprasad S R (Asst. Professor, Dept. of CSE, Vel Tech High Tech Dr. Rangarajan Dr. Sakunthala Engineering College, Avadi, Chennai, TN, India), A Anitha (Department of CSE, Sreyas Institute of Engineering and Technology, Hyderabad, Telangana, India), Soujanya Saraswathi (Asst. Professor, Dept. of ECE, CVR College of Engineering, Hyderabad, Telangana, India), Dr. Rakesh S (Associate Professor, Dept. of ECE Albertian Institute of Science and Technology, Kochi, Kerala), M. Ayyappa Chakravarthi (Associate Professor, Dept. of CSE-Data Science, KKR & KSR Institute of Technology and Sciences, Guntur, AP, India)	Online	**TS-T1-S10**
3085	Federated Capsule Endoscopy Analytics for Privacy-Preserving Gut Disease Screening	Dr M. Madhavi (Asst. Professor, Dept. of CSE Siddhartha Academy of Higher Education, Deemed to be University, Vijayawada, AP, India)	Dr M. Madhavi (Asst. Professor, Dept. of CSE, Siddhartha Academy of Higher Education, Deemed to be University, Vijayawada, AP, India), Ch Divya (Department of CSE, Sreyas Institute of Engineering and Technology, Hyderabad, Telangana, India), K. Karthick (Assistant Professor, Dept. of ECE, Chennai Institute of Technology, Chennai, Tamilnadu, India), Dr J Jesintha Princy (Asst. Professor, Dept. of English, Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology, Avadi, Chennai, TN, India), Dr. Pradnya A.Maturkar (Asst. Professor, Dept. of Electronics Engineering, Yeshwantrao Chavan College of Engineering, Nagpur, Maharastra), Arshiya Begum (Department of CSE-DS MLR Institute of Technology, Dundigal, Hyderabad, Telangana)	Online	**TS-T1-S10**
3127	5G-Driven Telehealth Systems for High-Fidelity Remote Diagnostics	Dal Singh (Principal Member of Technical Staff Oracle Delhi, India)	Dal Singh (Principal Member of Technical Staff Oracle, Delhi, India), Dr Chetan Khemraj Lanjewar (Department of CSE, IIMT College of Engineering, Greater Noida, India), Mandeep Kaur Ghumman (Department of ECE, Chandigarh University, Mohali, India), Dr. Anand Prakash Dube (School of Management Sciences, Varanasi, India)	Online	**TS-T1-S11**
443	Integrating Physiological Signals for Enhanced Sleep Apnea using Deep Learning Techniques	Dr.Santosh Satapathy	Rudra Vyas(PDEU),Parva Lunawat(PDEU),Santosh Satapathy(PDEU),Nibedita Das(TIAS),Suren Kumar Sahu(TIAS),Rajanikanta Mohanty(JAIN)	Offline	**TS-T1-S11**

900	Classification and Detection of Lung Cancer Using VGG-DeepCNN with Grad-CAM Interpretability	Priyanka Rawat (Computer Science & Engineering, UIE, Chandigarh University Mohali-140413, Punjab, India)	Priyanka Rawat (Computer Science & Engineering, UIE, Chandigarh University Mohali-140413, Punjab, India) Shilpi Harnal (Computer Science & Engineering, UIE, Chandigarh University Mohali-140413, Punjab, India)	Offline	**TS-T1-S11**
905	Fine-Grained Histological Classification of Diverse Brain Tumor Subtypes via Dense Convolutional Neural Networks	Dr. Santosh Satapathy (Pandit Deendayal Energy University))	Pratham Shah (School of Technology, Pandit Deendayal Energy University, Gandhinagar), Rushi Prajapati (School of Technology, Pandit Deendayal Energy University, Gandhinagar), Dr. Santosh Satapathy (School of Technology, Pandit Deendayal Energy University, Gandhinagar)	Offline	**TS-T1-S11**
1152	Energy-Aware LoRa-Based Remote Health Monitoring System with Edge Intelligence for Extended Field Operation	Neha I. Ingle (PhD Scholar, Electronics & Computer Science Department, Rashtrasant Tukadoji Maharaj Nagpur Univesity, Nagpu) Nagpu)	1. Neha I. Ingle (PhD Scholar, Electronics & Computer Science Department, Rashtrasant Tukadoji Maharaj Nagpur University, Maharashtra) 2. Dr. Rajeshree D. Raut (Associate Professor, E & TC department and Dean III & Placement, Government College Of Engineering Nagpur, Rashtrasant Tukadoji Maharaj Nagpur University, Maharashtra.)	Offline	**TS-T1-S11**
1921	Application of Machine Learning Approach for Medicine Recommendation in Healthcare System	Dr. Sanjeev Patel (NIT Rourkela)	Siya Mandal (CUJ Ranchi) and Namrata Dey (CUJ Ranchi), Dr. Sanjeev Patel (NIT Rourkela)	Offline	**TS-T1-S11**
1365	RED-CTNet: A Mish-Activated Residual Encoder–Decoder for Low-Dose CT Reconstruction	Akhil Pratap Singh(Thapar Institute of Engineering and Technology)	Akhil Pratap Singh (Thapar Institute of Engineering & Technology), Dr Shailendra Tiwari(Thapar Institute of Engineering and Technology), Dr Manju Khurana(Thapar Institute of Engineering and Technology)	Offline	**TS-T1-S11**
1368	Improving Dysarthria Severity Classification Through Feature Fusion and Ensemble Learning	Prabhmeet Kaur (Delhi Skill and Entrepreneurship Skill, New Delhi)	Prabhmeet Kaur (DSEU New Delhi) and Jyotindra Narayan (IIT Patna)	Offline	**TS-T1-S11**
Day 3; 14th March 2026 (Saturday)				
Time of Sessions: TS-T1-S12 (9:30 AM –11:00 AM)				
1816	Design Guidelines to Improve Accessibility for Visually Impaired Voice-First Interface Users	Neha Kumari (NSUT, Delhi)	Neha Kumari (NSUT), Chandershekhar (Galgotias University)	Offline	**TS-T1-S12**
3311	Design and Dynamic Modeling of an Elbow Exoskeleton for Upper Limb Rehabilitation	Dr. Jyotindra Narayan (IIT Patna)	Ritika Kosta (IIT Patna), Rahul Raut (IIT Patna) and Jyotindra Narayan (IIT Patna)	Offline	**TS-T1-S12**
3540	Automated Identification of Depressive Disorder using Multivariate Iterative Filtering	Mohit Khamele (IIT Indore)	Mohit Khamele (IIT Indore), Ram Bilas Pachori (IIT Indore), Bhabesh Deka (Tezpur University), Rosy Sarmah (Tezpur University), Siddeswara B L (LGBRIMH, Tezpur), Diptadhi Mukherjee (LGBRIMH, Tezpur), Debarun Chakarborty (Tezpur University), Jutika Borah (Tezpur University)	Offline	**TS-T1-S12**
3575	U-Net and its Variant Models for Liver and Tumor Segmentation in CT Images	Himanshu Pandey (Motilal Nehru National Institute of Technology Allahabad Prayagraj)	Author 1 Himanshu Pandey (MNNIT), Author 2 Dr. Dushyant Kumar Singh (MNNIT)	Offline	**TS-T1-S12**
3590	U-Net++ with EfficientNetB7: A Deep Learning Framework for Clinical Brain Tumor Segmentation	Mr. Yash Shah (Sardar Patel Institute of Technology, Mumbai)	Yash Shah (Sardar Patel Institute of Technology, Mumbai) Jash Vora (Sardar Patel Institute of Technology, Mumbai) Aniket Atole (Sardar Patel Institute of Technology, Mumbai) Adwait Patkhedkar (Sardar Patel Institute of Technology, Mumbai) Dr. Kiran Talele (Sardar Patel Institute of Technology, Mumbai)	Offline	**TS-T1-S12**