

IEEE International Conference on
**EMERGING TECHNOLOGIES IN
ENGINEERING APPLICATIONS**

ICETEA 2025
5 – 6 June 2025

Track-2: Networks and Cloud Computing

Day1: 5th June 2025 (Thursday)- Session-1

Session Details	Paper ID	Paper Title	Authors Details	Date of Presentation	Timing	Venue Details
1	15	Advancing Predictive Analytics For Cardiovascular Disease Using Machine Learning And Deep Learning	G.Amirthayogam, S.Parvathi,R. Sundar S.Karthikeyan, K.M.Banupriya, S.Tiroumalmouroughane	5 th June 2025	11.00 AM-1:00 PM	COE-3
	73	Performance Analysis And Detection Of Stress Using IOMT	M. Abishek , M. Athil Abdul Rahim S. Dhanush , S. Jaisurya , S. Mohanraj			
	127	Network Security Suite With IPTABLES And Machine Learning	C. Jesifica Cinthamani, I. Karthik			
	165	DEEPDERMANET: A Novel Dermatology Lesion Diagnosis Model Using Deep Learning Techniques	Supriya L P,Rashmita Khilar			
	195	KDPRE_RNN: Knowledge Distilled Pretrained Recurrent Neural Network For Tubal Ectopic Pregnancy Prediction	Lalithavani J, T.Karthick			
	861	Tri biological Characteristics Of Cu-3%Ti Composite And Investigating The Coating Durability: Novel Approach Of Electroless Nickel-Based Coatings	Vinod B,K. L. V. Nagasree, A, M.V. Someswararao, Vikram Babu, P.V.S.S.S. REDDY			

Day 1: 5th June 2025 (Thursday)- Session-2

2	222	Smart Industrial Automation and Predictive Maintenance Using LORA IOT and Convolutional Neural Networks	Tamilselvan.S, Ramalingam, Subha Harini.S, Vasuntharaa.K,Vitharshanaasree.K, Viveka.S			
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	317	Hybrid Deep Learning and Anthropometric Model for Efficient Malnutrition Detection in Resource-Limited Settings	Mohanraj S,Arunkumard, Balajim, Abineshr, Guhan A	5 th June 2025	2.00 PM-4:30 PM	COE-3
	376	Machine Learning Framework for Accurate Mental Stress Detection in University Students Using Random Forest Classification	S.Yalini, G.Anitha			
	431	Recent Advances in Fall Detection and Prevention Using Machine Learning and IoT: A Comprehensive Review	Akilandeswari J, Velusamy A,			
	451	Quantum-Resistant Security Protocols For Optical Fronthaul In The 5G Era	N Nithiyanandam, Debanjan Baidya, Ramireddy Harshavardhan			
	561	DRDD: AI-Powered Multi-Modal System for Diabetic Retinopathy Disease Detection	A. Sathya Sofia, M. Soundarya Devi, A. Viniksha Shree, E. Yashika , K. Yuvashree			
	571	Enhanced LCD Character Recognition Leveraging YOLOv11 and Modern Deep Learning Approaches	Dinesh Kumar K, Senthil P, Manoj Kumar D.S, S. Kishore Verma, J S Adeline Johnsana 6. Govindharaj I			
	583	Gesture Recognition For Human Contactless Computer Interaction	Gnana Sai Sandeep, Venkata Pavan Sai Kumar, Sai Guvvala, T Kumanan, Kirubadevi.T , Revathy. S			
	600	Intelligence Kalman Filter Optimization for Delay-Tolerant Networks in Space and Remote Sensing Applications	Radhikabaskar,S.Shanmugapriya, A.Kalaivani, Padmaja Kadiri, Manikyala Rao Tankala, Sowganthika. E			
	609	Optimizing Cloud Data Security: Leveraging Homomorphic Encryption And Cuckoo Search Algorithm	Selvaganapathi Sennan, R. Pradeep, S.Jayachitra, Syed Azar Ali, K.Subashini, Priyadharshini B			
	619	Automated Brain Tumor Detection Using Convolutional Neural Networks: A Comprehensive Study	M Naga Eswar, N.R.Sathiskumar , P Maha Deva Reddy, Dasari Yashwanth,Uppula Sandeep			
	642	An IoT Enabled Remote Diabetic Screening System	R. Pavithra, Dhina Thayaalan G , Dhanush K, Dhinakaran M			
	643	Segmentation And Classification Of Brain Tumour From RI Images	T. Senthil Kumar, Bavani M, Rithanya J S , Sharmila M			
	650	Experimental Analysis of Brain Tumors Identification Methodology using Artificial Intelligence (AI) Powered Learning Technique	P. Pattabhirama Mohan, G. Ramkumar			
	651	A Revolutionizing Procedure to Predict Brain Tumors in Earlier Stages using MRI assisted Deep Learning Model	P. Pattabhirama Mohan, G. Ramkumar			

Day 2: 6th June 2025 (Friday)- Session-3

3	21	Backpropagation Neural Network-Based Route Scheduling Decision For Garbage Collection	D.Liviyashree, S.Madhumitha M.Martina Jose Mary R.Shyamaladevi	6th June 2025	9.30 AM- 1:00 PM	COE-3
	115	Non-Invasive Glucose Monitor And Smart Infusion In Intravenous	R.Vithiya, L.Martin,M.Zarina Begum,Sherley Suzane Tremot			
	646	Enhanced Detection Of Multiple Sclerosis Using Recurrent Slice-Wise Attention Network (Rsanet) On Brain MRI Scans	Lakshmi T,Manju Bala P, Usharani S, Suriyapriya.S			
	656	An Algorithm Based Method For Detecting Bone Tumor	S Sanjana, A Abinath, J Samuel T Praveen , A Sathiyar			
	659	Enhanced Ophthalmic Diagnostics With Retinanetx Leveraging Combined Imageprocessing Techniques For Diabetic Retinopathy	G.Murali, Kumar.N			
	664	A Smart Urine Analysis Device For Diabetic Patients	Mohanram S, Kowsalya V ,Sarangi K Yuvashree G , Meena A , Lenin Sb			
	718	A Hybrid Model for Meningitis Diagnostic Accuracy with Ensemble Learning: Combining Logistic Regression and L-BFGS	Sathiya Priya S, M Amanullah Kujani T			
	783	Real Time Cardiac Monitoring and Disease Prediction Using Digital Stethoscope	P.M.Bharath , S Suguna, Yuvaranjini. R Subanisa. A Swetha. K			
	1132	Enhanced efficient diagnosis system for Parkinson's disease using hybrid deep neural network	C.Hrishikesava Reddy, Dr. M.Kanchana, Dr. N. Madhusudhana Reddy			
	1280	RetroWinAug: A Lightweight Browser-Based Image Augmentation Tool with Privacy-Preserving Client-Side Processing	Mathivanan N, Aswath S, Adithya S,Ranjith Kumar N			
	1283	Big Data-Driven Intelligent Healthcare Analytics Platform for Predicting Patient Outcomes and Personalized Treatment using Deep Recurrent Convolutional Neural Network	Maleappane Lawrence Vanangamoudiar, C. Senthilkumar			
	1309	A CQ Algorithmic Approach to Stealthy Steganography for Concealing Patient's Medical Data	Gayathri R, Vandhana N S, Akshaya V, Gajalakshmi.J, Tamizarasi S,			
	1597	Performance Analysis of Nano Biosensors using electrodes.	Priyadharsini E.J, Mega Sree M , Pallavi R, Gayathri R			
	1677	An Enhanced Depression Detection using Bi-LSTM AI Model with Audio Data	P. Varalakshmi,S. Ibrahim Navas, P. Mani @ Arun Venkatesh, K. ThiruMurugan , S. Adnan Khan, R. Rohith			