FEDERAL INSTITUTE OF SCIENCE AND TECHNOLOGY (FISAT®)
DEPARTMENT OF COMPUTER SCIENCE &ENGINEERING

Seventh International Conference on
'ADVANCED COMPUTING AND COMMUNICATION TECHNOLOGIES FOR HIGH PERFORMANCE APPLICATIONS'
July 18-19, 2025

Paper presentation schedule

Day 1: 18th July 2025

10.30 am : Inauguration

11 am to 12 pm : Keynote address

12 pm to 1.30 pm : **Paper Presentation - Session I**

Session – in- Charge	Contact details
Ms. Lakshmi S	Mobile No : 9447361178 Email : lakshmicse@fisat.ac.in

Venue: Conference Room, FISAT

Sl No	Paper id	Title of the paper
1	91	Harnessing Deep Learning for Early Detection of Plant Diseases: A Comprehensive Approach
2	158	Leveraging Prompt Engineering for Effective Automated Answer Sheet Evaluation
3	414	Sustania: A Digital Farming Ecosystem for Smart Agriculture
4	457	Secure fingerprint reconstruction-based authentication system using WDBS-VSS and geometric mean Ronald Fisher Score algorithm
5	218	VISION : Visually Impaired Support through Intelligent Object Narration - A literature review on Automated Captioning Systems for improved Accessibility for Visually Impaired
6	336	Music Analysis and Predictive Recommendation System Model

Day 1: 18th July 2025

12 pm to 1.30 pm: **Paper Presentation - Session II**

Session – in- Charge	Contact details
Ms. Sheelu Susan Mathews	Mobile No : 9961003207 Email : sheelususan@fisat.ac.in

Venue: IEDC Room, FISAT

Sl No	Paper id	Title of the paper
1	458	From Traditional Database to Self-Tuning Database: A Paradigm Shift in Database Management
2	468	AI-Powered Smart Traffic Signal System with Emergency Vehicle Priority and Power Optimization
3	702	Anomaly Detection in Spacecraft Telemetry Using Vision Transformer and Caps-LSTM
4	790	A Novel Technique to Replace S-box in Traditional Cryptosystem using Logical Properties of Mersenne Prime Number and Binary Logical Operations
5	653	Automated Detection of Offensive Text in Social Media Images
6	708	Hybrid CNN-ViT Model for Intracranial Hemorrhage Detection and Classification in DICOM Images

Day 1: 18th July 2025

12 pm to 1.30 pm: **Paper Presentation - Session III**

Session – in- Charge	Contact details
Dr. Neenu Johnson	Mobile No : 9496768374 Email : neenujohnson@fisat.ac.in

Venue: CSE Research Room, FISAT

Sl No	Paper id	Title of the paper
1	635	Machine Learning and Deep Learning Applications in Groundwater Quality Prediction: A Comprehensive Survey
2	766	Real-Time Automatic Detection of Grape Leaf Diseases with MobileNetV2 Deep Learning Network Based on Artificial Intelligence.
3	674	Intelligent Rescue Rover for Human Detection Transfer Learning and Embedded Systems Using
4	807	FNDS : AN INSIGHT INTO FAKE NEWS DETECTION SYSTEM USING MACHINE LEARNING
5	808	SMART KEY PROTECTION USING LIS3DH ACCELEROMETER
6	760	Residual based hybrid deep learning model for anomaly detection in wireless sensor networks

Day 1: 18th July 2025

12 pm to 1.30 pm :   Paper Presentation - Session IV

Session – in- Charge	Contact details
Ms. Gayathri I.K	Mobile No : 9497017338 Email : gayathriik@fisat.ac.in

Venue: MBA seminar hall, FISAT

Sl No	Paper id	Title of the paper
1	677	Explainable AI for Offensive Content Detection and Analysis on Social Media
2	699	Misinformation Detection in the Era of Large Language Models: Challenges, Advances, and Future Directions
3	723	Semi-Supervised Learning for Foetal Anomaly Detection Using Limited Annotated Ultrasound
4	726	Comparative Analysis of YOLOv5 and YOLOv8 for Real-Time Hand Gesture Recognition
5	809	FLUENZIC: AN ENGLISH ENCHANCEMENT PLATFORM

Day 2: 19th July 2025

10.30 am to 12 pm :   **Paper Presentation - Session V**

Session – in-Charge	Contact details
Ms. Sophiya Mathews	Mobile No : 9447988040 Email : sophiyamathews@fisat.ac.in
Ms. Sanitha P.S	Mobile No : Email : sanithaps@fisat.ac.in

Sl No	Paper id	Title of the paper
1	49	AI generated Social Media comment detection using BERT extracted semantic style embeddings
2	133	Enhancing Lithium-Ion Battery Reliability Through Machine Learning: A CNN-Based Approach for RUL Estimation
3	250	Vision-Driven Alertness: A Hybrid Framework Combining Deep Learning and Image Processing for Real-Time Drowsiness Detection and Road Safety Enhancement
4	270	Interpretable Ensemble Model for Real-Time Water Quality Analysis Using IoT and AI Strategies
5	334	Reliable Data Serving for Data-Driven Decision-Making in Radio Networks- A Data-Centric Approach to Stream Quality Validation
6	713	A DECENTRALIZED APPROACH THROUGH BLOCKCHAIN TECHNOLOGY FOR CERTIFICATE MANAGEMENT

Day 2: 19th July 2025

10.30 am to 12 pm :　　　　　　　**Paper Presentation - Session VI**

Session – in- Charge	Contact details
Ms.Sruthy Suresh	Mobile No : 9846974800 Email : sruthysuresh@fisat.ac.in
Ms. Jishna N.V	Mobile No : 7994004058 Email : jishnanv@fisat.ac.in

Sl No	Paper id	Title of the paper
1	523	MALDROID : Android Malware Detection
2	350	Enhancing Road Safety with YOLOv8: Deep Learning for Accurate Brake Light Detection
3	382	AI-Powered Student Dropout Prediction Using AutoGluon FT-Transformer
4	417	Hybrid Image Encryption using Compressive Sensing and Substituion Permutation Networks
5	447	MedSyn: AI-driven Medical History Summarization using EHR Data
6	696	BlendX : Dual-Layer Secure Communication Using Reversible Data Hiding and AES Encryption

Day 2: 19th July 2025

10.30 am to 12 pm :　　　　　　**Paper Presentation - Session VII**

Session – in- Charge	Contact details
Ms Soney R Nadh	Mobile No : 8129956819 Email : soneyrnadh@fisat.ac.in
Ms. Neha Beegam P.E	Mobile No : 7558897372 Email : nehabeegam@fisat.ac.in

Sl No	Paper id	Title of the paper
1	343	Speech Emotion Recognition with Empathetic Video Response Synthesis
2	455	A Data-Driven Serious Game for Human-Wildlife Conflict Management in Kerala
3	469	Super-Resolution Using Enhanced Super-Resolution Generative Adversarial Networks (ESRGAN)
4	480	EEG-Based Mental Health Diagnosis: A Novel Approach Using DWT and Machine Learning
5	489	Enhancing Academic Project Management with PAMS
6	774	Lightweight Low-Light Image Enhancement Techniques for Edge Devices

Day 2: 19th July 2025

10.30 am to 12 pm :   **Paper Presentation - Session VIII**

Session – in- Charge	Contact details
Ms Meenu Mathew	Mobile No : 94961 19083 Email : meenumathew@fisat.ac.in
Ms. Soosan Francis	Mobile No : 90614 30189 Email : soosanfrancis@fisat.ac.in

Sl No	Paper id	Title of the paper
1	454	Machine Learning in Cyber Security: A Comprehensive Review
2	524	DiskSpaceX
3	663	Hand Gesture Controlled System: Enhancing User Interaction Through Intuitive Gestures
4	676	Soft Pneumatic Exoskeleton Glove With Feedback Control For Precise Rehabilitation Training
5	679	Design and Analysis of Compact Array Antenna for 5G and Radar Applications
6	745	Breast Cancer Classification using Attention-based Multi-View Swin Patch Transformer (Att-MVSPtrans) Model

Day 2: 19th July 2025

12 pm to 1.30 pm: **Paper Presentation - Session IX**

Session – in- Charge	Contact details
Ms. Anisha Antu	Mobile No : 89431 82201 Email : anishaantu@fisat.ac.in
Ms. Geethu P C	Mobile No : 98469 36001 Email : geethupc@fisat.ac.in

Sl No	Paper id	Title of the paper
1	717	Enhanced Brain Cancer Detection Using a Radiomics-Informed Hybrid Autoencoder and GBM Model
2	725	Movie Success Forecasting and Audience Clustering Using XGBoost and Fuzzy C-Means
3	735	Performance Analysis of Hybrid DCF-FBG Dispersion Compensation Techniques in Optical Networks
4	739	A Space Aware Temporal Convolutional Neural Networks Approach for Enhanced Diagnosis of Multiple Sclerosis Brain Atrophy using MR images
5	779	Enhancing Gradient Descent with Parallel Computing: A Scalable Optimization using Federated Learning

Day 2: 19th July 2025

12 pm to 1.30 pm: **Paper Presentation - Session X**

Session – in- Charge	Contact details
Ms. Meera Treesa Mathews	Mobile No : 97468 79952 Email : meeratreesa@fisat.ac.in
Ms. Deena Jose	Mobile No : 83300 83960 Email : deenajose@fisat.ac.in

Sl No	Paper id	Title of the paper
1	793	Parametric Wavelet Subband Analysis for Tumor-Specific Feature Localization and Classification in MRI Brain Images
2	796	An Immersive Virtual Reality Framework for Semiconductor Manufacturing Training: Design and Evaluation
3	797	Fitness Help-Yoga Pose Estimation and Correction with Voice Feedback
4	798	Stroke Detection using Deep Learning
5	799	Audio to Sign Language Converter

Day 2: 19th July 2025

12 pm to 1.30 pm: **Paper Presentation - Session XI**

Session – in- Charge	Contact details
Ms. Preethi N P	Mobile No : 8086201858 Email : preethi.np@fisat.ac.in
Ms. Jismy Mathew	Mobile No : 9746305553 Email : jismymathew@fisat.ac.in

Sl No	Paper id	Title of the paper
1	800	Lung Nodule Segmentation Integrating Convolutional Attention in V-Net: A Comparative Benchmark with U-Net and V-Net
2	801	An Ensemble Deep Learning Approach for Brain Tumor Detection and Classification from MRI Images
3	802	DeepMark : A Platform Ensuring Content Integrity
4	804	A Transformer-Based Hybrid Framework for Breast Tumor Segmentation Using CAS-UNet and ViT
5	805	A 3D Deep Learning Framework for Brain Tumor Classification Followed by Region-Aware Segmentation Using UNetR

Day 2: 19th July 2025

12 pm to 1.30 pm : **Paper Presentation - Session XII**

Session – in- Charge	Contact details
Ms. Nisreen M Ali	Mobile No : 87144 04558 Email : nisreenali@fisat.ac.in
Ms. Nithya Paul	Mobile No : 80863 77672 Email : nithyapaul@fisat.ac.in

Sl No	Paper id	Title of the paper
1	243	Optimized Deep Learning Based on Facial Emotion Recognition to Analyze the Efficacy of Online Classes
2	719	Ensemble Gradient Boosting classifier for effective identification of Software faults
3	814	FITRIDE: An interactive Fitness Game Leveraging Gamification for Enhanced Physical Activity and User Engagement
4	479	FIRE FIGHTING DRONE FOR FIRE DETECTION AND SUPPRESSION
5	791	Enhanced Classification of Diabetic Retinopathy Using Deep Learning Models
6	792	A Comparative Analysis of Machine Learning Models on Graph Embeddings for Disease-Gene Association

2 pm to 3 pm : **Keynote address**

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Rules for paper presentation

1. Maximum number of slides for presentation is 10.

2. All the participants should be present at least 10 minutes before your allotted time.

3. Total presentation time is 12 minutes which includes a 10 minutes oral presentation and 2 minutes question answering session.

4. A warning alarm will be given after 9 minutes, which indicates the participant to wind up the presentation within 1 minute.