CONFERENCE SCHEDULE

Pre Conference Tutorial Session	Date : 4th March 2025, Tuesday
Topic: Role of Automation in Industry (Offline) **Resource Person** : Mr. Sourabh Soni , Automation Trainer Just Engineering., Pune **Department**: Electrical Engineering **Room No**: 213 Time:10.00 am to 12 noon **Coordinator**: Ms. Saba Kausar Mubeenahhed Shaikh	**Topic:** Smart Antennas/Software definrd Radios **Resource Person** Dr Raghavendra Pal Asst Professor, SVNIT, Surat **Department** E & TC Engineering **Room No:** 305 Time :10 am to 12 noon **Coordinator :** Dr Harshada Bhushan Magar Link: https://tinyurl.com/ESCI-2025-Pre-Conf-Tut-EnTC
Topic: AI-Driven Clickstream Analytics for User Segmentation and Behavioral Insights Landscape: Applications and Future Prospects **Resource Person** Mr. Vinothkumar Kolluru Senior Data Scientist-Fractal Analytics, USA **Department:** AI &DS Engineering **Room** 405 Time- 10 am to 12 noon **Coordinator** Mrs. Aparna Veer Link: https://tinyurl.com/ESCI-2025-Pre-Conf-Tut-AInDS	**Topic:** The Role of Remote Sensing in Modern Meteorology and Climate Research **Resource Person:** Dr. Kaustav Chakravarty Scientist F, Indian Institute of Tropical Meteorology, Pune, India **Department:** Computer Engineering **Room** 505 Time- 10 am to 12 noon **Coordinator** Mrs. Shilpa Purushottam Pimpalkar Link: https://tinyurl.com/ESCI-2025-Pre-Conf-Tut-CS
Topic: Practical Insights into Cybersecurity: Securing Digital Identities in a Complex World **Resource Person:** Mr. Premsai Ranga Technical Fellow in Cyber Security and Identity Management, Maryland ,USA **Department:** Information Technology **Room:** 605 Time- 10 to 12 noon **Coordinator** : Dr Mrunal Kishor Pathak Link: https://tinyurl.com/ESCI-2025-Pre-Conf-Tut-IT	**Topic:** Robotic Process Automation (Offline) **Resource Person :** Mr. Bapu D. Arkas Manager -ProAzure Software Solution Ltd Pune **Department:** Instrumentation Engineering **Room** 704 Time- 10 to 12 noon **Coordinator** : Mr. Pradeep Uttamrao Palkar
Topic: Ultralight Helicopter for Indian Applications **Resource Person :** Dr. Enti Ranga Reddy Chairman & Managing Director Legend Technologies (India) Pvt Ltd **Department:** Engineering and Sciences **Room:** 111 Time- 10 to 12 noon **Coordinator** : Mrs. Gayatri Nitin Mawale Link: https://tinyurl.com/ESCI-2025-Pre-Conf-Tut-FE	

DAY - 1 : 5th March 2025, Wednesday

INAUGURAL FUNCTION
: Chief Guest:
Dr. ANIL K. RAJVANSHI
Director and Hon. Secretary POSITION Nimbkar Agricultural Research Institute (NARI)
PHALTAN 415523, Maharashtra, India.

Time: 11.00 AM TO 12.00 PM (IST)

Link: https://tinyurl.com/ESCI-25-Inaguration-Keynote-1

CONFERENCE SCHEDULE

Keynote Talk -1 | Time: 12.00 PM (IST)

Speaker: Dr. Deepak L. Waikar
Chair, IEEE Education Society Singapore Chapter

Topic: Attributes of a Digital Teacher as Envisioned in Digital University

Venue: Multipurpose Hall

Coordinator: Ms. Saba Kausar Mubeenahhed Shaikh M:9881667867
Link: https://tinyurl.com/ESCI-25-Inaguration-Keynote-1

LUNCH BREAK: 1.00 PM to 2.00PM

Day 1- Date :5th March 2025, Wednesday

Technical Oral Presentation Session 1: Smart Computing
Session Coordinator: Dr. Sarika Nitin Zaware (9822777903)   Dr. Saurabh Sumant Shingare (9422604267)
Time : 2.00 PM TO 4.00 PM(IST)   Link: https://tinyurl.com/DAY-1-Sess-1-SC

Sr. No.	Paper ID	Title
1.	56	Shielding Software: The Vital Role of Headers in Ensuring Application Security
2.	116	Capacitated Vehicle Routing Problem using Ant Colony Optimization and PuLP Library
3.	117	Neighborhood Evaluation and Scoring System
4.	126	ffectiveVulnerability Reconnaissance for Content Management System Using SkipFish
5.	130	HBPSO BASED RESOURCE SCHEDULING FOR OPTIMIZATION OF COST AND MAKESPAN IN CLOUD DATA CENTERS
6.	149	Efficient Fingerprint Database Organization for Optimized Recognition

Technical Oral Presentation session 2 : Image & Signal Processing
Session Coordinator: Dr. Shagufta Mohammad Sayeed Sheikh (9689993993) Dr. Deeplakshmi Sachin Zingade (7249249519)
Time : 2.00 PM TO 4.00 PM (IST) Link: https://tinyurl.com/DAY-1-Sess-2-ISP

Sr. No.	Paper ID	Title
1.	88	Securing Automotive with Iris Pattern Recognition
2.	145	Butterfly Optimization and Deep Learning to Classify Heart Sound Signal
3.	365	Ai Driven Rat Detection For Warehouse
4.	388	Spatial-Scale Sensitivity In SEBAL Evapotranspiration Estimation For Crop Health Monitoring With Sen
5.	408	Classification Of EMG-Based Hand Gestures Using Time And Frequency Domain Features
6.	471	Copyright Information Embedding Using Steganography With Binary Lower Triangular Matrix

Technical Oral Presentation Session 3: Smart Computing
Session Coordinator: Dr. Chetan Nimba Aher (9503443501) Mr. Rahul Namdeo Jadhav (9960622886)
Time : 2.00 PM TO 4.00 PM (IST) Link: https://tinyurl.com/DAY-1-Sess-3-SC

Sr. No.	Paper ID	Title
1.	155	Deep Learning for Diabetic Retinopathy Detection Using Preprocessed Fundus Images and Inception-v3
2.	164	Algorithmic Optimization of Coupon Pooling Application: A Machine Learning Perspective
3.	165	Human Perceptual Biases and their Analogous Prevalence in Artificial Intelligence Systems: Bias Miti

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7th IEEE International Conference on Emerging Smart Computing & Informatics
(5th, 6th & 7th March, 2025)

CONFERENCE SCHEDULE

Sr. No.	Paper ID	Title
4.	170	Enhancing Passive Index Investing: Augmenting Volatility Harvesting with Machine Learning Models for
5.	172	Binary Learning Cooking Algorithm with Relief for Feature Selection of High-dimensional Gene
6	1393	Efficient Source-Level Waste Segregation Using CNN-Based Waste Classifier with IoT-Enabled Smart Bins and Mobile Application

Technical Oral Presentation Session 4 :   Internet of Things
Session Coordinator: Dr. Rakesh Bapu Dhumale(9763463366) Dr. Veena Suhas Bhende (9970974045)
Time : 2.00 PM to 4:00 PM(IST)   Link: https://tinyurl.com/DAY-1-Sess-4-IoT

Sr. No.	Paper ID	Title
1.	4	Hybrid Unified AI-Based Biometric Authentication: A Low-Power, High-Security Scheme
2.	59	A New Maintenance Framework of WSN for Consumer and e-Commerce: A Convergence of AI, ML, and IoT
3.	61	Encryption and Decryption of Different File Formats Using AES
4.	135	Comparative Analysis of Custom Neural Network Model and VGG-16 for Multi-class Image Classification
5.	190	AUTONOMOUS FOOD DELIVERY ROBOT INSIDE COLLEGE CAMPUS
6.	211	Enhancing Retrieval Augmented Generation Systems Using Al Models and Graph Databases

Technical Oral Presentation Session 5 :   Internet of Things
Session Coordinator: Dr. Prashant Balasaheb Wakhare (9673470986)   Ms. Shubhangi Sudhir Landge(7774077173)
Time :2.00 PM to 4:00 PM(IST) Link: https://tinyurl.com/DAY-1-Sess-5-IoT

Sr. No.	Paper ID	Title
1.	227	A Comprehensive Review Of Performance Optimization In Dynamic Routing Protocols For Wireless Sensor
2.	277	Saathi: Smart Cane
3.	433	Stock Forecasting Using Machine Learning
4.	469	Indian Sign Language Detection In Virtual Reality Using Leap Motion Controller
5.	507	Improved Incremental Learning For Classification Using Weight Space Rotation
6.	597	A Sophisticated Framework Designed For Deepfake Detection Using Cnn And Lstm For Enhanced Accuracy

Technical Oral Presentation Session 6 :   Image & Signal Processing
Session Coordinator: Dr. Meenakshi Anurag Thalor(9923602929) Ms . Pradnya Dattatraya Bormane(9763722263)
Time : 2.00 PM to 4:00 PM (IST) Link: https://tinyurl.com/DAY-1-Sess-6-ISP

Sr. No.	Paper ID	Title
1.	519	Auralize: Text To Tune
2.	873	COP-Detect: An End-to-End Transformer based Enhanced Colon Polyp Detection and Segmentation Framewo
3.	888	Implementation of Autonomous Vehicle using Real-Time Image processing and Computer Vision Algorithm
4.	892	A Web-Based System for QR Code Flag Identification and Decoding With Python and Flask
5.	908	Hand Gesture Recognition for Seamless Presentation Interaction and Media Control
6.	922	Segmentation of Brain Tumors in CT Images: A Comparative Analysis Using Convolutional Neural Network
7	72	Algorithm for preprocessing satellite imagery that uses geometric, atmospheric, and radiometric corr

Technical Oral Presentation Session 7:   Image & Signal Processing
Session Coordinator: Dr. Mamta Sanjay Koban (Wanjre)(9921353812) Mr. Vikas Janardan Desai(9421676837)
Time : 2.00 PM to 4:00 PM(IST)   Link: https://tinyurl.com/DAY-1-Sess-7-ISP

Sr. No.	Paper ID	Title
1	696	Computer Vision-Based Hand Recognition And Gesture Control For Dino Games
2	762	Alertcam-An Effective Anomaly Detection System Using Computer Vision
3	770	Enhanced Wildfire Detection In Forest Area Via Opencv With Deep Cnn For Smoke And Flame Segmentation

CONFERENCE SCHEDULE

4	787	Coordinate Measurement Machine Using Computer Vision
5	855	DST-M2D: A Dualistic-Series Transformer Framework For Major Depressive Disorder Analysis Using Multi
6	869	Wild-Fire And Smoke Detection For Environmental Disaster Management Using Deep Learning: Comparative
7	3	Revolutionizing Satellite Image Classification using Deep Learning Framework

Keynote Talk -2 | Time: 4 .00 PM (IST)

Speaker : Maode Ma (Senior Member, IEEE)
    Professor - College of Engineering, Qatar University, Doha, Qatar

Topic : Investigation on Security of Underwater Acoustic Networks

Venue : Multipurpose Hall (2nd floor)
Coordinator : Ms. Saba Kausar Mubeenahhed Shaikh M:9881667867
Link: https://tinyurl.com/ESCI-2025-Keynote-2

DAY -2 : 6th   March 2025, Thursday

Technical Oral Presentation Session 8:   Internet of Things
Session Coordinator: Dr. Nilima Satish Warade (9960257810) Ms. Neha Sangram Patil (9561508345)
Time :9.00 AM to 11.00 AM (IST)   Link: https://tinyurl.com/DAY-2-Sess-8-IoT

Sr. No.	Paper ID	Title
1.	894	Hybrid Deep Learning Model for Open-Set Seed Classification Using Hyperspectral and RGB Imaging
2.	936	Investigation of Cybersecurity Uses of Quantum Computing: Fortifying Encryption Protocols Against Qu
3.	943	Improving Security Detection with Machine Learning: A Scalable Solution for Real-Time Vulnerability
4.	972	MACHINE LEARNING PROGNOSTICS FOR GENETIC DISORDER PREDICTION
5.	1000	Sustainable Smart Irrigation in Precision Farming using IoT
6.	1007	Secure Bitcoin Hardware Wallet Design, Implementation, And Security Analysis

Technical Oral Presentation session 9:   Image & Signal Processing
Session Coordinator: Dr. Vineeta Philip (7620086020)   Ms. Sayali Aditya Belhe (9766937515)
Time :9.00 AM to 11.00 AM (IST)   Link: https://tinyurl.com/DAY-2-Sess-9-ISP

Sr. No.	Paper ID	Title
1.	962	Multi-Task Learning Approach for Detecting Multiple Tumors Using CT and MRI Images
2.	983	Comparative Analysis of YOLOv8 and Faster R-CNN in Fire and Smoke Detection
3.	1024	Transfer and Bayesian Learning Approaches for land Use and Land Cover Classification
4.	1028	Explainable AI for Electronic Health Record (EHR) Analysis and Patient Risk Prediction
5.	1055	Design and Optimization of RF Self Biased Ku Band LNA with low noise,high gain.
6.	1094	Graph convolutional neural network-based Bone Marrow Classification
7	1441	EEG-Based Brain-Computer Interface for Robotic System Control Using Right-Left Hand Movements with Ensemble Mod

Technical Oral Presentation Session 10: Smart Computing
Session Coordinator: Dr. Krutuja Shikrishna Gadgil (9822653943) Mrs. Minal Prashant Nerkar (9850173169)
Time :9.00 AM to 11.00 AM (IST)   Link: https://tinyurl.com/DAY-2-Sess-10-SC

Sr. No.	Paper ID	Title
1.	937	Applications of Artificial Intelligence in Biomedicine and Healthcare: Improving Efficiency, Decisio
2	1004	Guava Health Monitoring Using Deep Vision: A VGG-16 Model Implementation
3	1019	LSTM Networks for Improved Environmental Monitoring and Biodiversity Conservation
4	1025	Prediction of Remaining Useful Life of the Space Rover Battery Using Fuzzy Adaptive Neural Learning
5	1029	Unsupervised Learning Approaches for Workload Optimization in Cloud-Based AI Systems
6	1053	Autoencoder-LSTM Ensembles for Predictive Analysis of Financial Churn Pattern

CONFERENCE SCHEDULE

Technical Oral Presentation Session 11: Smart Computing
Session Coordinator: Dr. Amrapali Shivaji Chavan (9822795994)   Dr. Poonam Ranveersingh Kaswan (9873632419)
Time :9.00 AM to 11.00 AM (IST) Link: https://tinyurl.com/DAY-2-Sess-11-SC

Sr. No.	Paper ID	Title
1.	439	Image Based Cancer Classification Using Metaheuristic Algorithms and Deep Transfer Learning
2.	503	Combining Speech Recognition and Machine Learning for Context-Aware English Pronunciation Assessment
3.	509	Machine Learning-Driven Risk Stratification in Rural Healthcare during the Pandemic: An Ensemble Vot
4.	540	Graph-Based Deep Learning Models for Optimized Routing in Autonomous Networks Using Reinforcement Le
5.	569	Harnessing AI and Machine Learning to Transform English Language Learning Experiences
6.	622	Classification and Labeling Techniques of Educational Resources Based on BERT-CNN model

Technical Oral Presentation Session 12 :   Internet of Things
Session Coordinator: Dr. Sarika Amitraj Panwar (9923318187) Mr. Prashant Shivling Sadaphule (7588684770)
Time :9.00 AM to 11.00 AM (IST)   Link: https://tinyurl.com/DAY-2-Sess-12-IoT

Sr. No.	Paper ID	Title
1.	618	Subterranean Guardian: Tunnel Safety and soil- Borne Emergency Data Transfer
2.	626	The Automated Fire Suppression System for Electrical Enclosures Using IoT and Embedded Systems
3.	644	Deep Neural Networks for Advanced Medication Security in IoT-Enabled Smart Robotic Dispensing Cabine
4.	657	Sustainable Water Management in Precision Agriculture
5.	714	Dynamic Vehicle Stability Analysis Using IoT Sensors and Bayesian Network Approach
6	722	Cloud-Integrated BLE Temperature Control and Monitoring System for Portable Transport of Temperature

Technical Oral Presentation Session 13 :   Internet of Things
Session Coordinator: Dr. Archana Ganesh Said(9767747898)   Ms. Supriya Kumar More (9158769054)
Time :9.00 AM to 11.00 AM (IST)   Link: https://tinyurl.com/DAY-2-Sess-13-IoT

Sr. No.	Paper ID	Title
1.	731	Document Query Response Using Microsoft-Phi-3-Mini-4K
2.	760	TEC Variation Prediction through AI and Space Weather Analysis.
3.	773	Enhancing Medical IOT Data Using Blockchain
4.	793	Enhanced framework for predictive analytics of infants in Neonatal integrating AI & IoT
5.	854	Secure and Transparent Smart Agriculture: Integrating Blockchain Technology with IoT.
6.	1156	Unravelling Emotional Well-Being: Detecting Stress in Social Media Through Advanced Deep Learning Te

Technical Oral Presentation Session 14 : Smart Computing
Session Coordinator: Dr. Riyazahmed Abdulgani Jamadar (9823289109)   Ms. Anuradha Shivajirao Varal (9561609068)
Time :9.00 AM to 11.00 AM (IST)Link: https://tinyurl.com/DAY-2-Sess-14-SC

Sr. No.	Paper ID	Title
1.	631	An Associative Memory Approach to Predict Autism Spectrum Disorder
2.	648	SkinCareNet with DermGraph: Revolutionizing Skin Cancer Detection with Adaptive Graph Intelligence A
3.	670	Efficient Host Threat Detecting Using The Procsage Method
4.	705	CAMICS: A Context-Aware Multi-Intent Conversational System
5.	1363	BoTNetShield: Intelligent IoT Security Framework using Convolution Neural Network
6.	1361	Leveraging Convolutional Neural Networks for AI Artwork Classification

Technical Oral Presentation Session 15: Smart Computing
Session Coordinator: Dr. Manisha Rakesh Raghuvanshi (8989872278)   Dr. Vijaykumar S. Kamble (9158165918)
Time :9.00 AM to 11.00 AM (IST)   Link: https://tinyurl.com/DAY-2-Sess-15-SC

Sr. No.	Paper ID	Title

CONFERENCE SCHEDULE

1.	732	A Hybrid Explainable AI Framework for Enhancing Trust and Transparency in Autonomous Vehicles
2.	737	CryptoQNet: Leveraging Quantum Computing for Enhanced Cryptocurrency Market Analysis
3.	764	Improving Artificial English Academic Paper Summarization employing Cutting-Edge Transformer Â Models
4.	820	Optimizing Financial Security with Cloud AI: Implementing Deep Q-Network and Transfer Learning for R
5.	826	Behavior Prediction and Anomaly Detection: Leveraging ML for Online Child Safety

Technical Oral Presentation Session 16: Smart Computing
Session Coordinator: Ms. Jayashree Chandrakant Pasalkar (8408856344) Mrs. Farhana Sarvar Fatima Kazi Sayed(9158985458)
Time :9.00 AM to 11.00 AM (IST)   Link: https://tinyurl.com/DAY-2-Sess-16-SC

Sr. No.	Paper ID	Title
1.	902	Enhancing Lung Diseases Prediction Using CNN ResNet-101 Model
2.	916	A Hybrid Approach for Understanding Animal Behavior Using Deep Learning Techniques
3.	917	Industrial Internet of Things Energy Efficiency: Investigating Low-Power Communication Protocols and
4.	927	Improving Intrusion Detection Systems using Reinforcement Learning: Responding to New Cyber Attacks
5	1390	Comprehensive Analysis of Machine Learning Models and Hybrid Approaches for Fake News Detection

Keynote Talk 3 | Time:11.00 AM (IST)
Speaker: Dr. Octavian Postolache
Full Professor, Iscte- University Institute of Lisbon
Senior Researcher, Instituto de Telecomunicaçoes, Lisbon, Portugal
Topic: Smart Sensing Systems and AI for Precision Agriculture
Venue: Multipurpose Hall
Coordinator: Ms. Saba Kausar Mubeenahhed Shaikh M:+919881667867
Link: https://tinyurl.com/ESCI-2025-Keynote-03

LUNCH BREAK 1.00 PM-2.00PM

Technical Oral Presentation Session 17: Smart Computing (Offline)
Session Coordinator: Dr. Pritam Santosh Saha (9475472856)   Mrs. Snehal Akshay Bagal(7588609308)
Room Number:111   Time: 2.00 PM to 4.00 PM (IST)

Sr. No.	Paper ID	Title
1	1288	Identification of Hub Genes and Enriched Pathways in Lung Cancer using Single-Cell RNA Sequencing
2	900	Federated Learning for Cardiovascular Disease Prediction
3	830	A Multimodal Anonymization Framework for MP4 Videos
4	839	Comprehensive Comparative Analysis of Food Classification Using YOLOv8n, VGG19, and InceptionV3
5	436	American Sign Language Recognition System
6	339	Examsentry: Secure, Verify, Excel
7	171	Text2Image: Generating Visuals from Words using Deep Learning
8	253	Video Segmentation and Retrieval Based on Image-Driven Person Recognition for Surveillance

Technical Oral Presentation Session 18:   Internet of Things(Offline)
Session Coordinator: Dr. Reshma Yogesh Totare (9860479570)   Ms. Supriya Vikas Lohar(7741928441)
Room No:210 Time: Time : 2.00 PM to 4.00 PM (IST)

Sr. No.	Paper ID	Title
1.	1169	Milk Adulteration Detection Through Statistical Analysis, Spectroscopy, & AI Integration Footsteps

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Sr. No.	Paper ID	Title
2.	871	Intrusion Detection using Federated Learning with Application of Federated Dropout
3.	1057	Web-Kavach: Shielding Your Digital Life
4.	746	EduMate: AI-Based Student Support Platform with OCR and Voice Assistance
5.	1221	An Automated IoT-Enabled Real-Time Intravenous Infusion cum Remote Patient Monitoring System

Technical Oral Presentation Session 19:   Image & Signal Processing(Offline)

Session Coordinator: Dr. Nidhi Sharma (9168351100)   Ms. Anuja Sandeep Phapale (9730299992)

Room Number: 213   Time : 2.00 PM to 4.00 PM (IST)

Sr. No.	Paper ID	Title
1.	1440	Chilli Leaf Disease Prediction System using Deep Learning Model
2.	443	Alzheimer's Disease Diagnosis From Brain MRI Using Deep Learning Techniques
3.	318	Comparative Analysis of Machine Learning Algorithms for EMG Signal Classification in AI-Based Prosth
4.	872	Advancing Drone-Based Traffic Surveillance: A Review and Novel Framework for Attention-Guided Motion
5.	183	Enhancing Visibility in Foggy Landmark Images: Advanced RestorationÂ Methods
6.	1186	Multi-Model Deep Learning Framework for Autonomous Perception and Scene Understanding
7	138	Brain Tumor Classification in MRI Scans Using Shape Features & Machine Learning Techniques
8	274	Comparative Analysis of Advanced GAN Architectures for Robust Image Dehazing

Technical Oral Presentation Session 20:   Internet of Things

Session Coordinator: Dr. Amita Anirudha Shinde (9552003437)   Ms. Varsha Kiran Patil (9325643275)

Time : 2.00 PM to 4.00 PM (IST)   Link: https://tinyurl.com/DAY-2-Sess-20-IoT

Sr. No.	Paper ID	Title
1.	1059	Optimizing Industrial Iot Predictive Maintenance Using Quantum Algorithms On Google Quantum AI
2.	1064	Security Enhancement In MANET Using Modified Crow Search Optimization Algorithm For Iot Application
3.	1065	Enhancement Of Security In MANET Using Modified Crow Harris Hawks Optimization Algorithm For Iot App
4.	1080	A Comphrehensive Approach To Power Management In Hybrid Electric Vehicle
5.	1106	Enhancing Respiratory Health with Smart Cooling Masks and Immune System Monitoring
6.	1142	Analyzing Advanced Persistent Threats (APTs) Using Passive Honeypot Sensors and Self-Organizing Maps
7	1066	Comprehensive Mix-Method Approach for Efficient Waste Management using IoT-Driven Solutions

Technical Oral Presentation Session 21:   Smart Computing

Session Coordinator: Ms. Minal Abhijeet Zope (9970098042)   Dr. Jayesh Dineshbhai Savaliya (9913673274)

Time : 2.00 PM to 4.00 PM (IST)   Link: https://tinyurl.com/DAY-2-Sess-21-SC

Sr. No.	Paper ID	Title
1.	1073	Advanced Intelligent Pedestrian Crossing System
2.	1151	Advancing Carbon Emission Prediction through Machine Learning: The Impact of Fossil, Nuclear, and Re
3.	1227	An Efficient Hybrid Privacy Preservation Model for Big Data Analytics
4.	1300	Dynamic Load Balancing in Cloud Computing Using a Hybrid Bidirectional LSTM -RNN with Deep Learning
5.	1403	Integrating Machine Learning for PCOS Detection and femBot: A Novel Menstrual Health Chatbot
6.	1429	Innovations in Multi-Touch Attribution Models: Beyond Traditional Marketing Analytics in the Pharmac

Technical Oral Presentation Session 22: Smart Computing

Session Coordinator: Dr. Mohini Pramod Sardey (9881409100)   Ms. Rupali Shrirang Pawar (9028706700)

Time: 2.00 PM to 4.00 PM (IST)   Link: https://tinyurl.com/DAY-2-Sess-22-SC

Sr. No.	Paper ID	Title
1.	195	Empowering Deaf Communication: Deep Learning Framework for Sign to Speech Translation
2.	214	Decoding Digital Intruders: Machine Learning Strategies for Botnet Identification
3.	798	Novel Distributed Approach for Next Best Offer using XGboost
4.	255	Dynamic StarCraft: Multi-Agent Generative AI for Immersive Experiences
5.	265	AI powered disease detection and diagnosis

CONFERENCE SCHEDULE

6.	322	Hierarchical Community Detection and Network Analysis: A 2-Level Approach for Social Media Networks

DAY -3 : 7th   March 2025, Friday

Technical Oral Presentation session 23: Special session
Session Coordinator: Dr. Yogesh Pralhadrao Patil (9421051726)   Dr. Vaishali Prahladrao Kuralkar (Yawale) (9860502602)
Time : 11.00 AM TO 1.00 PM (IST)   Link: https://tinyurl.com/DAY-3-Sess-23-SS

Sr. No.	Paper ID	Title
1.	SVL10	Development of Neural Interface-Based Brain-Controlled Robotic Prosthetics for Enhanced Mobility in
2.	SVL2	Building AI-Driven Frameworks for Real-Time Threat Detection and Mitigation in IoT Networks
3.	SVL3	Developing Energy-Efficient IoT Architecture with Edge and Fog Computing for Smart Cities
4.	SVL4	Enhancing Data Security in Transmission Through Quantum Key Distribution in Cryptography
5.	SVL6	Advancing Personalized Medicine Using Genomic Data Analysis and Predictive Modeling
6.	SVL7	Innovations in Robotics and Automation to Improve Efficiency and Precision in Healthcare Delivery an

Technical Oral Presentation session 24: Special session
Session Coordinator: Dr. Shivaji Sitaram Gadadhe (9096618989) Ms. Bhagyashree D. Lambture(8208863705)
Time :11.00 AM TO 1.00 PM (IST)Link: https://tinyurl.com/DAY-3-Sess-24-SS

Sr. No.	Paper ID	Title
1	SVL8	Internet of Things Applications for Real-Time Remote Patient Monitoring and Health Management
2	SVL16	Evaluating Deep Learning Approaches for Lymph Node Classification and Gastric Cancer Segmentation
3	SVL13	Automated Detection of Poultry Diseases Using Deep Learning and Computer Vision
4	SVL9	Using Quantum Annealing to Solve Large-Scale Optimization Problems in Logistics and Scheduling
5	SVL1	Integrating Reinforcement Learning with Explainable AI for Real-Time Decision Making in Dynamic

Technical Oral Presentation Session 25 : Special Session
Session Coordinator: Dr. Pramod Ganesh Musrif(Joshi) (9552546729)   Ms. Pragati Prashant Mahale (9405371647)
Time: 11.00 AM TO 1.00 PM (IST)Link: https://tinyurl.com/DAY-3-Sess-25-SS

Sr. No.	Paper ID	Title
1.	VY_05	YOLOv7 for Dental Caries Detection: Challenges in Small Object Identification
2.	VY_04	Transforming Agriculture: Deep Learning for Leaf Disease Detection
3.	VY_10	Analyzing Machine Learning Frameworks for Anomaly Detection on Web Server Log Data
4.	VY_12	A Deep Learning Approach for Multi-Disease Diagnosis with ResNet50 and Spatial Attention

Technical Oral Presentation Session 26 :Special Session
Session Coordinator: Dr. Pritesh Kumar Patil (9209217431)   Dr. Nitin Prakashrao Bhone (9021185621)
Time: 11.00 AM TO 1.00 PM (IST)   Link: https://tinyurl.com/DAY-3-Sess-26-SS

Sr. No.	Paper ID	Title
1.	PA_17	Design and Performance Evaluation of MIMO Systems for Next Generation Wireless Networks
2.	PA_60Â	Spam Detection Using Machine Learning Algorithms
3.	PA_46	Image Compression and Enhancement Using Deep Learning Algorithm
4.	SS_6	AI and Machine Learning Applications in Hepatitis B Diagnosis: An Exploration of Techniques and Outc
5.	SL1	PHISHING DETECTION AND RESPONSE SYSTEM WITH XGBOOST MACHINE LEARNING

Technical Oral Presentation Session 27: Smart Computing
Session Coordinator: Dr. Dilip Shravan Shelar(9829937046) Mr. Girish Jaysing Navale(7758990466)
Time: 11.00 AM TO 1.00 PM (IST) Link: https://tinyurl.com/DAY-3-Sess-27-SC

CONFERENCE SCHEDULE

Sr. No.	Paper ID	Title
1	345	Multimodal CNN-Based Framework For Enhanced Detection And Classification Of Skin Cancer And Cysts
2	356	Road Pothole Detection And Reporting System
3	369	Automated Bridge Inspection And Structural Damage Detection Using Yolov5-S
4	389	Unveiling Customer Behavior: A Comprehensive Study On Predictive Models For Telecom Churn
5.	427	Genai Based Data Extraction With Query-Based Insights
6.	430	Towards Precision Medicine: Deep Learning-Based Pulmonary Tuberculosis Detection in Radiographic Ima

Technical Oral Presentation Session 28: Internet of Things
Session Coordinator: Dr. Badri Naryan Mohapatra(8956603781) Ms. Shradha Bhanudasrao Toney(9730408533)
Time: 11.00 AM TO 1.00 PM (IST) Link: https://tinyurl.com/DAY-3-Sess-28-IoT

Sr. No.	Paper ID	Title
1.	1183	Smart Prepaid Electric Meter System
2.	1220	Acoustic Emission Signal Localization in Steel Specimen Using Neural Networks with Multi-Sensor Feat
3.	1229	Defense Mechanism to Thwart Model Poisoning on Non-IID Data based Federated Learning for Credit Frau
4.	1230	Bluetooth Vulnerabilities and Security
5.	1249	Optimizing Existing SHM Systems: Retasking as a Self-Healing Solution for Improved Fault Tolerance
6.	1157	Privacy Preserving Healthcare based on Secure Mathematical Foundations of Fully Homomorphic Encrypti
7	1158	Optimizing Latency and Energy Efficiency in Edge Computing with Reinforcement Learning and TinyML

Technical Oral Presentation Session 29:   Image & Signal Processing
Session Coordinator: Mr. Prashant Prakash Mahajan (9763644533)   Dr. Shashikant Rangnathrao Kale(9975703571)
Time : 11.00 AM TO 1.00 PM (IST)   Link: https://tinyurl.com/DAY-3-Sess-29-ISP

Sr. No.	Paper ID	Title
1.	1291	Medical Image Fusion Enhancement through Curvelet Transform
2.	1313	Deep Learning Based CAPTCHA Verification Systems
3.	1365	Hybrid Heuristic Optimization of Deep Learning Models for Robust Plant Disease Detection
4.	1368	Integrating Imaging and Clinical Data for Parkinson's Disease Diagnosis using Deep Learning
5.	1398	Optimizing construction and demolition waste Segmentation using Advanced Deep Learning Techniques
6.	1409	A Study on Intelligibility, Naturalness and Fluency of TTS Systems

Technical Oral Presentation Session 30:   Smart Computing
Session Coordinator: Dr. Ashapana Dilavar Shiralkar (9763793499)   Ms. Reshma Rajanand Owhal(8149869323)
Time : 11.00 AM TO 1.00 PM (IST) Link: https://tinyurl.com/DAY-3-Sess-30-SC

Sr. No.	Paper ID	Title
1.	1434	Sign Language Recognition using Deep Learning
2.	967	A Secure Digital Twin Healthcare Framework for Precision Medicine: Integrating IoMT, ML and Fog Comp
3.	5	imulation and Evaluation of a DWDM System Utilizing OptiSystem
4.	6	Meta Emotional Intelligence for Early Bone Abnormality Detection
5.	920	Advancement in Explainable AI: Bringing Transparency and Interpretability to Machine Learning Models
6.	749	Leveraging Transfer Learning for Object Detection in Medical Imaging

Technical Oral Presentation Session 31 : Internet of Things
Session Coordinator : Dr. Vandana Vishwanathrao Kale (9822623780)   Dr. Supriya Arvind Bhosale (8793430887)
Time: 11.00 AM TO 1.00 PM (IST)   Link: https://tinyurl.com/DAY-3-Sess-31-IoT

Sr. No.	Paper ID	Title
1.	1274	Tiered gPTP: A Simulative Study on Balancing Time-Sync Accuracy and Coverage with Time Source Replic
2.	1322	Implementation and Functional Verification of I2C, SPI and CAN frame protocols

CONFERENCE SCHEDULE

Sr. No.	Paper ID	Title
3.	1328	Ambisync: an IoT based Room Automation Project
4.	1360	Performance Optimization in Wireless Sensor Networks using REAMR Protocol for IoT Applications
5.	1374	IoT-based Prosthetic Arm Controlled by Human Gestures
6.	1414	Design and Deployment of Anti-smog Gun for clean air in Urban areas

Technical Oral Presentation Session 32: Image & Signal Processing
Session Coordinator: Mr. Sachin R. Kokane (9673037327)　　　　Ms. Prajwal Sopan Gaikwad　(9762023200)
Time : : 11.00 AM TO 1.00 PM (IST)　　Link: https://tinyurl.com/DAY-3-Sess-32-ISP

Sr. No.	Paper ID	Title
1.	1124	Gesture Language Translation Using Convolutional Neural Network
2.	1152	Enhancing Real-Time Military Intelligence through LoRa and Advanced Data Analysis
3.	1213	EfficientHACoTNet: A Novel Approach for Grape Leaf Disease Detection Leveraging Depthwise Separable
4.	1242	Micro-expression analysis for security and law enforcement using deep learning
5.	1245	VIGILANCE ALERTNESS SYSTEM
6.	47	Reconstruction of 2D Images into 3D Model

LUNCH BREAK 1.00 PM- 2.00PM

VALEDICTORY 2.00 PM- 3.00PM (IST)

:Chief Guest:
Dr. Pramod Patil
Dean, Science & Technology, Savitribai Phule Pune University, Pune, Maharashtra, India
Link: https://tinyurl.com/ESCI-2025-Valedictory