

IEEE International Conference on Electronic Systems and Artificial Intelligence Applications (ICESAIA-2026)

Conference Number: 67831

Jointly organized by: Avionics Society of India

Methodist College of Engineering & Technology (Autonomous) Hyderabad

Stanley College of Engineering & Technology for Women (Autonomous) Hyderabad

Technical Co-Sponsor- IEEE Hyderabad Section



DAY-1 (OFFLINE PRESENTATIONS)

ROOM-MCET "E BLOCK-403"

Track-1 Schedule: ELECTRONICS & COMPUTER APPLICATIONS

Session Chair 1
Sri Shayam Chetty
Former Director NAL

Session Chair 2
Prof. C. D. Naidu,
Professor in ECE & CEO, KPRIT, Ghanpur,
Ghatkesar, Hyderabad
Former Principal, VNRVJIET

Co-Chair
Mrs Kanti Rekha
Sc. G, ASL, DRDO

Moderators
Poornachander, ECE, MCET
☎9963390390
Mr. Ramesh
MCET

Technical Session I

09:30 – 11:10 AM

80 min (4 Papers) Track-1 Schedule: ELECTRONICS & COMPUTER APPLICATIONS

17-Jul-26

09:30 – 09:50 AM

KEY NOTE

Sl. no	Date	Session	Time	Paper ID	Paper Title	Presentation Mode	Presenter
1	17-Jul-26	Session I	09:50 – 10:10 AM	577	SELF CHECKING ALU USING BCH ERROR DETECTING AND CORRECTING CODE	Offline	Alokh Cyril James
2	17-Jul-26	Session I	10:10 – 10:30 AM	649	NeuroSkip: AI-Assisted Sparsity-Aware Adaptive Precision Systolic Array	Offline	ASHA DEVI DHARMAVARAM
3	17-Jul-26	Session I	10:30 – 10:50 AM	896	Dual-Mode IoT Framework	Offline	MOHAMMED ABDULLAH

Tea Break (11:00-11:25AM)

Technical Session II

11:25 – 01:05 PM

120 min (5 Papers) Track-1 Schedule: ELECTRONICS & COMPUTER APPLICATIONS

Sl. no	Date	Session	Time	Paper ID	Paper Title	Presentation Mode	Presenter
4	17-Jul-26	Session II	11:25 – 11:45 AM	1092	Phase Shift Carrier PWM Based HERMLIC Topology	Offline	Dr NAMBURI NIREEKSHANA
5	17-Jul-26	Session II	11:45 – 12:05 PM	1135	Dual Port RAM Using System Verilog and UVM	Offline	ASHUTOSH EUNDEKAR
6	17-Jul-26	Session II	12:05 – 12:25 PM	1139	Lightweight Deep Learning-Based Acoustic Detection of Micro-Drones in Noisy Environments	Offline	Sesham Pavan Kumar
7	17-Jul-26	Session II	12:25 – 12:45 PM	1157	Four-Port Wearable MIMO Antenna	Offline	MOHIDDIN SHAIK
8	17-Jul-26	Session II	12:45 – 01:05 PM	1453	Graph Algorithm Comparison	Offline	SADIYA MAHEEN SIDDIQUI
9	17-Jul-26	Session II	01:05 – 01:25PM	1546	Direction of Arrival Estimation by Employing Modified MUSIC	Offline	DR. NAGESWAR RAO

Lunch Break (01:05-02:00PM)

Technical Session III

02:00 – 03:40 PM

20 min (1 Paper) Track-1 Schedule: ELECTRONICS & COMPUTER APPLICATIONS

Sl. NO	Date	Session	Time	Paper ID	Paper Title	Presentation Mode	Presenter
10	17-Jul-26	Session III	02:00-02:20 PM	1589	An IoT-Enabled Real-Time Smart Metering System for Optimizing	Offline	Dr Abdul Aleem

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DAY-1 (OFFLINE PRESENTATIONS)

ROOM-MCET "E BLOCK-408"

Track-2 Schedule: ARTIFICIAL INTELLIGENCE APPLICATIONS

Session Chair 1
Dr J V Satyanarayana
OS, Sc H, RCI, DRDO

Session Chair 2
Dr. H Venkateswara Reddy
Professor
Department of CSE
Vardhaman College of Engineering, Hyderabad.

Co-Chair
Shri Ashwin Chander
Sc G, ASL, DRDO

Moderators
Syed Azahad, CSE, MCET,
8639128482
Mr T. Srinivas
MCET

Technical Session I

09:30 – 11:10 AM

80 min (4 Papers) Track-2 Schedule: ARTIFICIAL INTELLIGENCE APPLICATIONS

17-Jul-26

09:30 – 09:50 AM

KEY NOTE

Sl.no	Date	Session	Time	Paper ID	Paper Title	Presentation Mode	Presenter
1	17-Jul-26	Session I	09:50 – 10:10 AM	425	Student Placement and Salary Prediction Using Machine Learning Techniques	Offline	Dr. Rakesh Salakapuri, Pallati Omkar, Visanakarra Mahesh
2	17-Jul-26	Session I	10:10 – 10:30 AM	1301	Deep Learning-Based Detection of Oral Squamous Cell Carcinoma (OSCC) from Histopathological Images	Offline	PRAHARSHITA PEDDI
3	17-Jul-26	Session I	10:30 – 10:50 AM	1310	Deep Learning based EEG Denoising Using Differentiable Signal Processing Layers	Offline	RENUKA DEVI S. M.
4	17-Jul-26	Session I	10:50 – 11:10 AM	1464	Machine Learning based Multimodal Sentiment and Emotion Recognition using Cross-Modal Feature Fusion	Offline	Pragyadipta Pradhan
5	17-Jul-26	Session I	10:50 – 11:10 AM	1000	Smart Manhole Monitoring and Tracking System Using Embedded Sensors and Mobile Connectivity	Offline	K Smitha Suguna Leela

Tea Break (11:10-11:25AM)



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DAY-1 (OFFLINE PRESENTATIONS)

ROOM-MCET "E BLOCK-409"

Track-3 Schedule: EMERGING TECHNOLOGIES

Session Chair 1
Dr Kanike Srinivas
Sc.G, RCI, DRDO

Session Chair 2
Prof. D. Ramakrishna
Professor in ECE,
UCoE, O. U., Hyderabad

Co-Chair
Dr M Sree Ramana Sc.F,
RCI, DRDO

Moderators
Dr Sagar Babu
9550886668
Mr Chiranjeevi
MCET

Technical Session I

2:30 PM – 5.00 PM

80 min (4 Papers) Track-3 Schedule: EMERGING TECHNOLOGIES

17-Jul-26

KEY NOTE

Sl. no	Date	Session	Time	Paper ID	Paper Title	Presentation Mode	Presenter
1	17-Jul-26	Session I	02:30 – 02:50 PM	79	An AI-Orchestrated Framework for Automated Historical Storytelling in Virtual Reality	Offline	Aryan sreedhar
2	17-Jul-26	Session I	02:50 – 03:10 PM	126	Rakshak: A Hybrid Edge-Cloud Autonomous Rover for Perimeter Security and Intrusion Response	Offline	Shoaib Sadiq Salehmohamed
3	17-Jul-26	Session I	03:10 – 03:30 PM	168	AI-Empowered Task Offloading for Delay-Sensitive IoT in Edge Computing Networks: A Survey	Offline	LAVANYA NALLA
4	17-Jul-26	Session I	03:30 – 03:50 PM	618	Deep-Sea eDNA Taxonomy and Biodiversity Assessment via Self-Supervised Transformer Encoding and HDBSCAN Novelty Detection	Offline	Syed Mohammed Hasanuddin

Tea Break (03:50 PM-04:00 PM)

Technical Session II

04:10 – 04:50 PM

20 min (1 Paper) Track-3 Schedule:EMERGING TECHNOLOGIES

Sl. no	Date	Session	Time	Paper ID	Paper Title	Presentation Mode	Presenter
5	17-Jul-26	Session II	04:10 -04:30 PM	1470	Engineering Anti-Fragile Financial Market Infrastructures: An Integrated Framework of AIOps-Driven Operational Resilience, Post-Quantum Cryptographic Agility, and Zero-Trust Security	Offline	GAUTAM MAHAPATRA
6	17-Jul-26	Session II	04:30 – 04:50 PM	1615	MSF-STGCN: A Unified Spatial-Temporal Graph Convolutional Framework for Cross-Modal Breast Cancer Diagnosis	Offline	DR. C. PADMAJA



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DAY-1 (OFFLINE & ONLINE PRESENTATIONS)

ROOM-MCET "E BLOCK-301"

Track-4 Schedule: Industrial Drives

Session Chair 1
Sri Swapan Gopal Mitra
Former DGM, ECIL

Session Chair 2
Prof. B. Mangu,
Professor in EEE, Vice - Principal,
CoE, O. U., Hyderabad

Co-Chair
Sri Santosh Mahato
Sc G, RCI, DRDO

Moderators
Dr S.K. Shruthi, CSE,
MCET, 9640438111
Mrs Brundavini
MCET

<https://teams.microsoft.com/meet/41156327218972?p=vVrePhUiJhKLVxqd>

Meeting ID: 411 563 272 189 72

Passcode: 66M9yB2Q

Co Organizer: Dr S K Shruthi, 9640438111

Technical Session I

09:30 – 11:10 AM

80 min (4 Papers) Track-4 Schedule: Industrial Drives

17-Jul-26

09:30 – 09:50 AM

KEY NOTE

Sl.no	Date	Session	Time	Paper ID	Paper Title	Presentation Mode	Presenter
1	17-Jul-26	Session I	09:50 – 10:10 AM	210	Design and Control of a DC-Side Reconfigured Bidirectional Electric Drive–Onboard Charger for BLDC-Based Electric Vehicles	Offline	Koyalkar Vivekananda
2	17-Jul-26	Session I	10:10 – 10:30 AM	255	A Comparative Analysis of MCMC and ANN Methods for Cosmological Parameter Inference	Offline	REVANTH KUMAR DARURI
3	17-Jul-26	Session I	10:30 – 10:50 AM	598	Remote Tele-Rehabilitation of Stroke Survivors Using IoT Wearables and Cloud Analytics	Online	S. Pappy Yuvarani
4	17-Jul-26	Session I	10:50 – 11:10 AM	784	AI-Assisted Energy Optimization in Hybrid PV-Wind Systems Using a High Gain SEPIC Converter	Online	VIJAYA MADHAVI

Tea Break (11:10-11:25AM)

Technical Session II

11:25 – 01:05 PM

120 min (4 Papers) Track-4 Schedule: Industrial Drives

Sl.no	Date	Session	Time	Paper ID	Paper Title	Presentation Mode	Presenter
5	17-Jul-26	Session II	11:25 – 11:45 AM	986	Performance Analysis of Hybrid Parallel Programming Models for Deep Learning in Heterogeneous HPC Environments	Online	GAURAV TIVARI

6	17-Jul-26	Session II	11:45 – 12:05 PM	1206	Deep Learning-Based Approach for Detecting Utility-Scale Solar Photovoltaic Installation from Satellite Imagery	Online	Tannu Kumar Soni
7	17-Jul-26	Session II	12:05 – 12:25 PM	1336	Nonlinear Dynamic Volatility Transmission: Evidence from Rolling Transfer Entropy	Online	Arijit Saha
8	17-Jul-26	Session II	12:25 – 12:45 PM	1386	Predicting Contaminant Levels in Urban Water Sources Using AI	Online	NAGESWARARAO SIRISALA
9	17-Jul-26	Session II	12:45 – 01:05 PM	1097	AI-Driven Stability Control for Power Grids Integrating Solar and Wind Distributed Energy Resources: A Machine Learning Approach	Online	Madhu Sahu
10	17-Jul-26	Session II	01:05 – 01:25 PM	1104	Predictive Maintenance for Power Electronics in Renewable Energy Systems: A Machine Learning Model for Grid Stability	Online	Kamlesh Kumar Yadav
11	17-Jul-26	Session II	01:25 – 01:45 PM	1105	Energy Harvesting and Load Balancing in Smart Grids Using Quantum Computing for DER Optimization	Online	Dr.Arup Kumar Halder



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DAY-1 (ONLINE PRESENTATIONS)

ROOM-MCET "E BLOCK-101"

Track-1 Schedule: ELECTRONICS & COMPUTER APPLICATIONS

Session Chair 1
Jaydev K Chattopadhyay
Former Director, DRDO

Session Chair 2
Prof. Y. Padmasayi
Professor,
Department of ECE, VNRVJIET, Bachupally, Hyderabad

Co-Chair
Dr B V Ravi Kumar
Sc G, RCI, DRDO

Moderators
Mrs Unnati, CSE, MCET,
9652683857
Dr. Ramesh
MCET

<https://teams.microsoft.com/meet/41267231749610?p=BVKewJhKjCGlPjTiK1>

Meeting ID: 412 672 317 496 10

Passcode: rB93fo3A

Co-Organizer : Mrs Unnati, 9652683857

Technical Session I

09:30 – 11:10 AM

80 min (4 Papers) Track-1 Schedule: ELECTRONICS & COMPUTER APPLICATIONS

17-Jul-26

09:30 – 09:50 AM

KEY NOTE

Sl. no	Date	Session	Time	Paper ID	Paper Title	Presentation Mode	Presenter
1	17-Jul-26	Session I	09:50 – 10:10 AM	80	High-Speed SRAM Cell	Online	Dr.Sivaiah Sankranti
2	17-Jul-26	Session I	10:10 – 10:30 AM	122	5G Remote Patient Monitoring	Online	Anand Sharma
3	17-Jul-26	Session I	10:30 – 10:50 AM	176	Robotic Waste Collector	Online	Spoorthi D P
4	17-Jul-26	Session I	10:50 – 11:10 AM	239	Microstrip Patch Prediction	Online	VIJAYA ADEPU

Tea Break (11:10-11:25AM)

Technical Session II

11:25 – 01:05 PM

100 min (5 Papers) Track-1 Schedule:ELECTRONICS & COMPUTER APPLICATIONS

Sl. no	Date	Session	Time	Paper ID	Paper Title	Presentation Mode	Presenter
5	17-Jul-26	Session II	11:25 – 11:45 AM	378	IoT Gas Detection	Online	Mummidivarapu Manasa Varshini

6	17-Jul-26	Session II	11:45 – 12:05 PM	542	Smart Flow Vision	Online	Renangi Hari Priya
7	17-Jul-26	Session II	12:05 – 12:25 PM	631	Edge Computing with IoT	Online	Bency Abraham
8	17-Jul-26	Session II	12:25 – 12:45 PM	632	PSO PID Controller	Online	DR. RAMESH GUGULOTH
9	17-Jul-26	Session II	12:45 – 01:05 PM	633	Ontology Framework	Online	REGINALD UKWUOMA
LUNCH BREAK (01:05-02:00PM)							
Technical Session III		02:00 – 03:40 PM		100 min (5 Papers) Track-1 Schedule: ELECTRONICS & COMPUTER APPLICATIONS			
Sl. NO	Date	Session	Time	Paper ID	Paper Title	Presentation Mode	Presenter
10	17-Jul-26	Session III	02:00 – 02:20 PM	643	Digital Twin Framework	Online	G RAMKUMAR
11	17-Jul-26	Session III	02:20 – 02:40 PM	812	NCFET Based SRAM	Online	Soham Wagh
12	17-Jul-26	Session III	02:40 – 03:00 PM	906	YOLO Object Classification	Online	Sreekanth S
13	17-Jul-26	Session III	03:00 – 03:20 PM	912	Underwater Image Improvement	Online	Chava Venkateswara Rao
14	17-Jul-26	Session III	03:20 – 03:40 PM	927	CNN Antenna Array	Online	Sanjeev Rao Kunchala
Tea Break (03:40-03:55AM)							
Technical Session IV		03:55 – 05:35 PM		100 min (5 Papers) Track-1 Schedule:ELECTRONICS & COMPUTER APPLICATIONS			
Sl. NO	Date	Session	Time	Paper ID	Paper Title	Presentation Mode	Presenter
15	17-Jul-26	Session IV	03:55 – 04:15 PM	936	Half Power Beam width	Online	Gogineni Saikiran
16	17-Jul-26	Session IV	04:15 – 04:35 PM	952	Energy Fair Tracking	Online	Mohammed Abdulghafoor Jasim
17	17-Jul-26	Session IV	04:35 – 04:55 PM	1016	Edge AI Gearbox	Online	Naveen Kumar Choudary C
19	17-Jul-26	Session IV	04:55 – 05:15 PM	1309	Smart Cold Chain	Online	Anju Kapri



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DAY-2 (ONLINE PRESENTATIONS)

ROOM-MCET "E BLOCK-101"

Track-1 Schedule: ELECTRONICS & COMPUTER APPLICATIONS

Session Chair 1
Jaydev K Chattopadhyay
Former Director, DRDO

Session Chair 2
Prof. Y. Padmasayi
Professor,
Department of ECE, VNRVJiet, Bachupally, Hyderabad

Co-Chair
Dr B V Ravi Kumar
Sc G, RCI, DRDO

Moderators
Mrs Unnati, CSE, MCET,
9652683857
Dr. Ramesh, MCET

<https://teams.microsoft.com/meet/48712166560953?p=OSJ0yFzQ1GuLWNOqde>

Meeting ID: 487 121 665 609 53

Passcode: nH2m3JZ7

Co-Organizer : Mrs Unnati, 9652683857

Technical Session V

09:30 – 11:10 AM

80 min (4 Papers) Track-1 Schedule: ELECTRONICS & COMPUTER APPLICATIONS

Sl.no	Date	Session	Time	Paper ID	Paper Title	Presentation Mode	Presenter
20	18-Jul-26	Session I	09:30 – 09:50 AM	1380	Adaptive Control	Online	HEMANTA GHOSH
21	18-Jul-26	Session I	09:50 – 10:10 AM	1402	Hybrid Full Adder	Online	Y. Anitha
22	18-Jul-26	Session I	10:10 – 10:30 AM	1403	Skin Disease Detection	Online	Tanvi Reddy Paredy
23	18-Jul-26	Session I	10:30 – 10:50 AM	1419	Transformer Energy Management	Online	Thadishetti Srikanth
24	18-Jul-26	Session I	10:50 – 11:10 AM	1478	Speech Enhancement	Online	SHWETA THAKKANNAVAR

Tea Break (11:10-11:25AM)

Technical Session VI

11:25 – 01:05 PM

100 min (5 Papers) Track-1 Schedule: ELECTRONICS & COMPUTER APPLICATIONS

Sl.no	Date	Session	Time	Paper ID	Paper Title	Presentation Mode	Presenter
25	18-Jul-26	Session II	11:25 – 11:45 AM	1489	Communication Repeater	Online	SM Srivatsan
26	18-Jul-26	Session II	11:45 – 12:05 PM	1514	Battery SOC	Online	Trivardhan Rachakonda
27	18-Jul-26	Session II	12:05 – 12:25 PM	1527	Air Pollution Monitoring	Online	Rahul Mahala

28	18-Jul-26	Session II	12:25 – 12:45 PM	1533	Cloud Communication	Online	E. Srividhya
29	18-Jul-26	Session II	12:45 – 01:05 PM	1551	EV Charger	Online	PRAVEEN K
Lunch Break (01:15-02:00PM)							
Technical Session VII		02:00 – 02:40 PM		20 min (1 Paper) Track-1 Schedule: ELECTRONICS & COMPUTER APPLICATIONS			
Sl.NO	Date	Session	Time	Paper ID	Paper Title	Presentation Mode	Presenter
30	18-Jul-26	Session II	02:00 – 02:20 PM	1571	V2V Communication	Online	Gutti Sannutha Priya
31	18-Jul-26	Session II	02:20 – 02:40 PM	1614	Dual Stage Data Fusion	Online	Dr. Natrayan L
32	18-Jul-26	Session II	02:40 – 03:00 PM	865	Recent Advances in Energy and Spectrum-Efficient in 5G and 6G	Online	PURUSHOTHAM K
Tea Break (03:00-03:10PM)							
Session VIII		Valedictory Ceremony (03:10-04:30PM)					

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DAY-1 (ONLINE PRESENTATIONS)

ROOM-> "MCET E-BLOCK 103"

Track-2 (A) Schedule: ARTIFICIAL INTELLIGENCE APPLICATIONS

Session Chair 1
Sri Pramod Jha
Sc G, CAS, DRDO

Session Chair 2
Prof. Atul Negi,
Professor in CSE,
UoH, Hyderabad

Co-Chair
TBD

Moderator
Dr Shaik Khaleel
MCET
Mr Shaik Rasool
9885633986

<https://teams.microsoft.com/meet/48916549282439?p=muocKIsE1ui5jRI9hu>

Meeting ID: 489 165 492 824 39

Passcode: wg7TU9sq

Co-Organisers : Mr Shaik Rasool, 9885633986

Technical Session I

09:30 – 11:10 AM

80 min (4 Papers) Track-2 Schedule: ARTIFICIAL INTELLIGENCE APPLICATIONS

17-Jul-26

09:30 – 09:50 AM

KEY NOTE

Sl.no	Date	Session	Time	Paper ID	Paper Title	Presentation Mode	Presenter
1	17-Jul-26	Session I	09:50 – 10:10 AM	6	Dynamic Relevance Propagation Rank (DRPR): A Unified Framework Combining NLP and Deep Learning for Web Search Ranking	Online	PRISE PRAVEEN PRAKASH BATTINA
2	17-Jul-26	Session I	10:10 – 10:30 AM	125	Crop Disease Detection Using AI/ML Techniques	Online	Dhruvajay Trivedi
3	17-Jul-26	Session I	10:30 – 10:50 AM	131	The Hierarchical Transformer-Boost-Reinforcement Framework for Dynamic Multi-Asset Portfolio Optimization	Online	Goli Rami Reddy
4	17-Jul-26	Session I	10:50 – 11:10 AM	137	Forecasting Forest Fires: A Prediction Model Based on Artificial Neural Networks and Time Series Analysis	Online	NAGA VAISHNAVI PADALA

Tea Break (11:10-11:25AM)

Technical Session II

11:25 – 01:05 PM

100 min (5 Papers) Track-2 Schedule:ARTIFICIAL INTELLIGENCE APPLICATIONS

Sl.no	Date	Session	Time	Paper ID	Paper Title	Presentation Mode	Presenter
5	17-Jul-26	Session II	11:25 – 11:45 AM	141	Explainable AI: A Framework for Interpretable Heart Disease Prediction	Online	BASUDHA DEWAN

6	17-Jul-26	Session II	11:45 – 12:05 PM	214	Data Driven Approach for Identifying Anaemia from Standard Haematological Measures	Online	Aadil Ahmad Mantoo
7	17-Jul-26	Session II	12:05 – 12:25 PM	249	Automated Skin Lesion Classification Using Efficient Net-Based Deep Transfer Learning on Dermoscopic Images	Online	DASARI CHAITHANYA
8	17-Jul-26	Session II	12:25 – 12:45 PM	256	Temporal Knowledge Graph-Driven Ensemble Framework for Interpretable Scholarly Impact Prediction	Online	Priti Chetan Shende
9	17-Jul-26	Session II	12:45 – 01:05 PM	261	Hybrid Intelligent Framework for Employee Stress Detection and Organizational Performance	Online	Dr.Delecta Jenifer Rajendren
Lunch Break (01:05-02:00PM)							
Technical Session III			02:00 – 03:40 PM	100 min (5 Papers) Track-2 Schedule: ARTIFICIAL INTELLIGENCE APPLICATIONS			
Sl. NO	Date	Session	Time	Paper ID	Paper Title	Presentation Mode	Presenter
10	17-Jul-26	Session III	02:00 – 02:20 PM	265	Hybrid Ensemble Learning Framework for Fake Review Detection	Online	DR. RANI VENKATA SATYA PRAVEEN
11	17-Jul-26	Session III	02:20 – 02:40 PM	293	Self-Supervised Federated Transfer Learning with Feature Alignment	Online	MITHA GURU
12	17-Jul-26	Session III	02:40 – 03:00 PM	306	Hybrid BERT-BiLSTM-Attention Architecture for AI-Generated Text Detection	Online	SAI KRISHNA VUNNAM
13	17-Jul-26	Session III	03:00 – 03:20 PM	608	Advanced Cyclone Prediction with Hypergraph-Based Deep Learning	Online	Bodiga Praveen Kumar
14	17-Jul-26	Session III	03:20 – 03:40 PM	638	Edge-Cloud Hybrid AI Model for Real-Time EV Pollution Monitoring	Online	Dr.Priyadarsini
Tea Break (03:40-03:55AM)							
Technical Session IV			03:55 – 05:35 PM	100 min (5 Papers) Track-2 Schedule: ARTIFICIAL INTELLIGENCE APPLICATIONS			
Sl. NO	Date	Session	Time	Paper ID	Paper Title	Presentation Mode	Presenter
15	17-Jul-26	Session IV	03:55 – 04:15 PM	355	Connect For Cause AI Driven Civic Engagement Platform	Online	Sahithi Kankanala
16	17-Jul-26	Session IV	04:15 – 04:35 PM	367	AI-Powered Credit Scoring and Housing Finance Inclusivity	Online	VENKAIAH BABU PRATHIPATI
17	17-Jul-26	Session IV	04:35 – 04:55 PM	388	Hybrid Graph Neural Network and Fuzzy Inference Model	Online	MS. SARANYA R.
18	17-Jul-26	Session IV	04:55 – 05:15 PM	482	Climate-Aware Crop Recommendation Using XGBoost	Online	Dinesh Gayari
19	17-Jul-26	Session IV	05:15 – 05:35 PM	596	AI Model for Feature Identification from Drone Orthophotos	Online	KEERTHANA S

ROOM-> “MCET E-BLOCK 102”				DAY-1 Track-2 (B) Schedule: ARTIFICIAL INTELLIGENCE APPLICATIONS			
Session Chair 1 Dr J GLADSON MARIA BRITTO, Professor & Head, Department of CSE- Data science, Malla Reddy College of Engineering, Hyderabad,				Session Chair 2 Prof. M. C. Chinnaiah, Professor, Department of ECE, BVRIT Narsapur, Hyderabad.		Co-Chair Sri Ashwin Chander Sc G, ASL, DRDO	Moderators Dr. Shanana Tanveer, MCET Mrs B Sowjanya , 9948125333
https://teams.microsoft.com/meet/46581439040122?p=7Xh8Jwqjf1ivMrdwjP Meeting ID: 465 814 390 401 22 Passcode: Cm9x4ou9 Co-Organiser : Mrs B Sowjanya 9948125333							
Technical Session I			09:30 – 11:10 AM	80 min (4 Papers) Track-2 Schedule: ARTIFICIAL INTELLIGENCE APPLICATIONS			
17-Jul-26		09:30 – 09:50 AM		KEY NOTE			
Sl.no	Date	Session	Time	Paper ID	Paper Title	Presentati on Mode	Presenter
20	17-Jul-26	Session I	09:50 – 10:10 AM	605	Retino Scan: Graph Neural Network for Glaucoma Detection	Online	SWASTIKA CHOWDHURY
21	17-Jul-26	Session I	10:10 – 10:30 AM	641	Deep Learning Framework for Multi-Type Cancer Classification	Online	Dr.I.Srujana
22	17-Jul-26	Session I	10:30 – 10:50 AM	684	ECO-HABIT BUILDER: Gamified Habit Tracking Platform	Online	Ashwin Chanddeep.B
23	17-Jul-26	Session I	10:50 – 11:10 AM	696	AI-Based Blood Diagnostic Model for Multi-Disease Risk Prediction	Online	Aveeck Pandey
Tea Break (11:10-11:25AM)							
Technical Session II			11:25 – 01:05 PM	100 min (5 Papers) Track-2 Schedule: ARTIFICIAL INTELLIGENCE APPLICATIONS			
Sl.no	Date	Session	Time	Paper ID	Paper Title	Presentati on Mode	Presenter
24	17-Jul-26	Session II	11:25 – 11:45 AM	707	Modelling Traffic Flow Dynamics Under Disruptive Conditions	Online	P Mohan
25	17-Jul-26	Session II	11:45 – 12:05 PM	944	Tri-Modal Attention-Based Framework for Sarcasm Detection	Online	Dr. N VENKATA SAILAJA
26	17-Jul-26	Session II	12:05 – 12:25 PM	974	Multispectral Facial Hemodynamic Signal Reconstruction	Online	GONE VIVEK SAI
27	17-Jul-26	Session II	12:25 – 12:45 PM	718	AI Powered Human Suspicious Activity Detection in Surveillance Systems	Online	Sai Tanvitha Chilakala
28	17-Jul-26	Session II	12:45 – 01:05 PM	757	Hybrid Multimodal Deep Learning Framework for Accurate Crop Yield Prediction	Online	Kurapati Chandra Subhash

Lunch Break (01:15-02:00PM)							
Technical Session III			02:00 – 03:40 PM	100 min (5 Papers) Track-2 Schedule: ARTIFICIAL INTELLIGENCE APPLICATIONS			
Sl.N O	Date	Session	Time	Paper ID	Paper Title	Presentati on Mode	Presenter
29	17-Jul-26	Session III	02:00 – 02:20 PM	780	Impact of Social Media Usage on Stress Levels	Online	GODDUMARRI KIRANMAYEE
30	17-Jul-26	Session III	02:20 – 02:40 PM	919	TabNet–SHAP Framework for Interpretable Postpartum Depression Detection	Online	Amrutha V J
31	17-Jul-26	Session III	02:40 – 03:00 PM	938	Fine-Tuning GAN-Based Models for Face Image Super-Resolution	Online	Nagabhushana Rao M
32	17-Jul-26	Session III	03:00 – 03:20 PM	940	Residual–Attention Deep Learning Framework for Lymphoma Classification	Online	Keerthi Pendam
33	17-Jul-26	Session III	03:20 – 03:40 PM	983	Analytical Comparison of Deep Learning Models for Concrete Crack Identification	Online	Sivakumar Rajendran
Tea Break (03:40-03:55AM)							
Technical Session IV			03:55 – 05:35 PM	100 min (5 Papers) Track-2 Schedule: ARTIFICIAL INTELLIGENCE APPLICATIONS			
Sl.N O	Date	Session	Time	Paper ID	Paper Title	Presentati on Mode	Presenter
34	17-Jul-26	Session IV	03:55 – 04:15 PM	1009	Predictive Analytics Framework for Crop Yield Optimization	Online	KAVITHA E
35	17-Jul-26	Session IV	04:15 – 04:35 PM	1018	Predictive Maintenance for Healthcare Equipment Using Machine Learning	Online	Bhuvan N S & Uma D S
36	17-Jul-26	Session IV	04:35 – 04:55 PM	1080	Trigger Forge – An Intelligent Workflow Automation	Online	VAIBHAV SUTAR
37	17-Jul-26	Session IV	04:55 – 05:15 PM	1118	Geometry Dependent Plasmonic Behaviour of Gold based on Field and Poynting Vector Analysis for Biosensor Applications	Online	Dr D SHEELA
38	17-Jul-26	Session IV	05:15 – 05:35 PM	885	Automatic Malaria Infection Detection in Blood -Cell images with Deep Learning Technique	Online	Dr. T. Babu

**DAY-2 (ONLINE SCHEDULE)**

ROOM-> “MCET E-BLOCK 103”				Track-2(A) Schedule: ARTIFICIAL INTELLIGENCE APPLICATIONS			
Session Chair 1 Sri Pramod Jha Sc G, CAS, DRDO				Session Chair 2 Prof. Atul Negi, Professor in CSE, UoH, Hyderabad		Co-Chair TBD	Moderator Dr Shaik Khaleel MCET Mr Shaik Rasool 9885633986
https://teams.microsoft.com/meet/46589768828356?p=4JyDLEd8xd6QY5Voip Meeting ID: 465 897 688 283 56 Passcode: FL7Dm7Bp Co-Organisers : Mr Shaik Rasool, 9885633986							
Technical Session V			09:30 – 11:10 AM	80 min (4 Papers) Track-2 Schedule: ARTIFICIAL INTELLIGENCE APPLICATIONS			
Sl.no	Date	Session	Time	Paper ID	Paper Title	Presentation Mode	Presenter
39	18-Jul-26	Session V	09:30 – 09:50 AM	1122	AI-IoT Enabled Health Advisory Chat Bot for Diabetics using RAG Model	Online	G.Manasa, Dr. G.Vanitha
40	18-Jul-26	Session V	09:50 – 10:10 AM	1142	A Hybrid Retrieval-Augmented and Rule-Based Framework for Reliable Simplification and Translation of Public Documentation	Online	MEHUL KUMAR
41	18-Jul-26	Session V	10:10 – 10:30 AM	1148	Strategic Management Analysis of Dementia	Online	RUPA M
42	18-Jul-26	Session V	10:30 – 10:50 AM	1150	Resilient Precision Agriculture via Hierarchical Multimodal Agentic Fusion for Long-Horizon Scenario-Aware Decision Sup	Online	Nirmal Keshari Swain
43	18-Jul-26	Session V	10:50 – 11:10 AM	1170	Real-Time Gesture Recognition using ST-GAT and Convolutional Layers	Online	Parimi Sathvika
Tea Break (11:10-11:25AM)							
Technical Session VI			11:25 – 01:05 PM	100 min (5 Papers) Track-2 Schedule: ARTIFICIAL INTELLIGENCE APPLICATIONS			
Sl.no	Date	Session	Time	Paper ID	Paper Title	Presentation Mode	Presenter
44	18-Jul-26	Session VI	11:25 – 11:45 AM	1222	Maxi: A Modular Desktop Voice Assistant with Hybrid Speech Recognition, LLM-Routed Intent Classification, and Edge-Cloud	Online	Dr Namita Parati

45	18-Jul-26	Session VI	11:45 – 12:05 PM	1244	Employing Deep Learning for Real-Time Malware Detection: Applying Artificial Neural Networks for Cybersecurity Dynamic Behaviour Analysis	Online	A. Kanimozhi
46	18-Jul-26	Session VI	12:05 – 12:25 PM	1257	Innovative Method for Climate Prediction Utilizing CNN with Satellite Imagery and Temporal Data	Online	Manimegalai L
47	18-Jul-26	Session VI	12:25 – 12:45 PM	1291	Enhancing Threat Recognition: A Real-Time System for Weapon Detection	Online	Shreya Kushwaha
48	18-Jul-26	Session VI	12:45 – 01:05 PM	1342	Real-Time Brain Tumor Instance Segmentation Using YOLOv8: A Benchmark Study on MRI Images	Online	Sanasultana Alagur
Lunch Break (01:15-02:00PM)							
Session VIII			Valedictory Ceremony (03:00-04:30PM)				

IEEE International Conference on Electronic Systems and Artificial Intelligence Applications (ICESAIA-2026)

Conference Number: 67831

Jointly organized by: Avionics Society of India

Methodist College of Engineering & Technology (Autonomous) Hyderabad

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ROOM-> “MCET E-BLOCK 102”				DAY-2 Track-2(B) Schedule: ARTIFICIAL INTELLIGENCE APPLICATIONS			
Session Chair 1 Dr J GLADSON MARIA BRITTO, Professor & Head, Department of CSE- Data science, Malla Reddy College of Engineering, Hyderabad,				Session Chair 2 Prof. M. C. Chinnaiah, Professor, Department of ECE, BVRIT Narsapur, Hyderabad.		Co-Chair Sri Ashwin Chander Sc G, ASL, DRDO	Moderators Dr. Shanana Tanveer, MCET Mrs B Sowjanya , 9948125333
https://teams.microsoft.com/meet/47807482958485?p=T8C1RSegxm6XWOWgT9 Meeting ID: 478 074 829 584 85 Passcode: oA238yf3 Co-Organiser : Mrs B Sowjanya, 9948125333							
Technical Session V			09:30 – 11:10 AM	80 min (4 Papers) Track-1 Schedule:ELECTRONICS & COMPUTER APPLICATIONS			
Sl.no	Date	Session	Time	Paper ID	Paper Title	Presentation Mode	Presenter
49	18-Jul-26	Session V	09:30 – 09:50 AM	1388	Confidence Based Adaptive Ensemble Model for Multi-Class Emotion Classification (CBAE-EC)	Online	NAGALINGAM BHUVANESWAR
50	18-Jul-26	Session V	09:50 – 10:10 AM	1392	Enhancing Recruitment Transparency and Efficiency with Explainable AI	Online	Harshada Vilasrao Gaikwad
51	18-Jul-26	Session V	10:10 – 10:30 AM	1429	Leak-Free Multimodal Fusion for Integrated Stress, Sleep, and Activity-Based Health Assessment	Online	R. SIRISHA
52	18-Jul-26	Session V	10:30 – 10:50 AM	1543	Deep CNN-LSTM for Early-Stage Brain Tumor Detection with Prognostic Risk Assessment	Online	Hitesh Moola
53	18-Jul-26	Session V	10:50 – 11:10 AM	1555	A Deep Vision-Based Framework for Automated Crack and Surface Defect Detection in Solar Photovoltaic Panels	Online	MUTHULAKSHMI G
Tea Break (11:10-11:25AM)							
Technical Session VI			11:25 – 01:05 PM	100 min (5 Papers) Track-1 Schedule:ELECTRONICS & COMPUTER APPLICATIONS			
Sl.no	Date	Session	Time	Paper ID	Paper Title	Presentation Mode	Presenter

54	18-Jul-26	Session VI	11:25 – 11:45 AM	1563	WaveKAN-Derm: A Controlled-Ablation Study of Wavelet Cross-Attention and Gated Metadata Fusion for Dermoscopic Classification on HAM10000	Online	SRIYA GUTTIKONDA
55	18-Jul-26	Session VI	11:45 – 12:05 noon	1606	From Pixels to Diagnosis: Deep Learning for Intelligent Bone Fracture Detection	Online	DEEPIKA KUMAR
Lunch Break (01:15-02:00PM)							
Session VIII			Valedictory Ceremony (03:00-04:30PM)				



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DAY-1 (ONLINE SCHEDULE)

ROOM-> “MCET E-BLOCK 108”		Track-3 (A) Schedule: EMERGING TECHNOLOGIES	
Session Chair 1 Smt. Bidisha Lahiri Sr G, CHES, DRDO		Session Chair 2 Prof. K. Usha, Professor, Department of ECE, MVSREC, Nadergul, Hyderabad	Co-Chair Dr M. Sree Ramana Sc F, RCI, DRDO
			Moderators Mrs B Vasavi Sravanthi, 8500088390 Mrs. Shirisha, MCET

<https://teams.microsoft.com/meet/47855274096135?p=Q30KNve5If2NpiRIUe>

Meeting ID: 478 552 740 961 35

Passcode: fG9mM92Q

Co-Organiser : Mrs B Vasavi Sravanthi, 8500088390

Technical Session I		09:30 – 11:10 AM		80 min (4 Papers) Track-3 Schedule: EMERGING TECHNOLOGIES			
17-Jul-26		09:30 – 09:50 AM		KEY NOTE			
Sl.no	Date	Session	Time	Paper ID	Paper Title	Presentation Mode	Presenter
1	17-Jul-26	Session I	09:50 – 10:10 AM	190	Enhancing Financial Speech Recognition using Domain-Specific Biasing in Vosk ASR	Online	Maanasa Kotte, S China Ramu, Bhaavitha N, R Ravinder Reddy
2	17-Jul-26	Session I	10:10 – 10:30 AM	216	Quantum-Inspired Multi-Objective Optimisation for Transformer Pruning Under Edge Constraints	Online	RAAVI ABHILASH
3	17-Jul-26	Session I	10:30 – 10:50 AM	264	Blockchain-Based Reputation Ledger for Tracking Malicious Accounts Using DApp	Online	Mr. Ch. Sainath
4	17-Jul-26	Session I	10:50 – 11:10 AM	313	Digital Twin-Assisted Deep Reinforcement Learning for QoS-Aware Resource Orchestration in 6G Networks	Online	SANTHAKUMAR DEVARAJ
Tea Break (11:10-11:25AM)							
Technical Session II		11:25 – 01:05 PM		100 min (5 Papers) Track-3 Schedule: EMERGING TECHNOLOGIES			
Sl.no	Date	Session	Time	Paper ID	Paper Title	Presentation Mode	Presenter

5	17-Jul-26	Session II	11:25 – 11:45 AM	453	Evolution of Reasoning in Large Language Models: A Systematic Review from Chain-of-Thought to Multi-Agent	Online	G. SURYANARAYANA
6	17-Jul-26	Session II	11:45 – 12:05 PM	456	A Comprehensive Survey of Security Attacks on Large Language Models: Taxonomy, Formal Threat Models, and Defence Perspectives	Online	G. SURYANARAYANA
7	17-Jul-26	Session II	12:05 – 12:25 PM	476	AI-Orchestrated 5G Smart IoT Architecture for Agriculture	Online	GIRI SOWMYA
8	17-Jul-26	Session II	12:25 – 12:45 PM	600	Privacy-Preserving Patient Prescription Management Using Blockchain-IoT Integration	Online	R. Nimmi
9	17-Jul-26	Session II	12:45 – 01:05 PM	621	Predictive Multi-Objective Resource Orchestration in Edge-Cloud Computing	Online	Prathyusha Suddala
Lunch Break (01:05-02:00PM)							
Technical Session III		02:00 – 03:40 PM	100 min (5 Papers) Track-3 Schedule: EMERGING TECHNOLOGIES				
Sl.NO	Date	Session	Time	Paper ID	Paper Title	Presentation Mode	Presenter
10	17-Jul-26	Session III	02:00 – 02:20 PM	692	Securing IoT Networks: Real-Time Intrusion Detection Using an SSO-CNN Framework	Online	ANIL PATIDAR
11	17-Jul-26	Session III	02:20 – 02:40 PM	719	Robust Artificial Intelligence Models Addressing Adversarial Attacks and Distributional Shifts in Real-World Deployments	Online	DR. SURESH PALARIMATH
12	17-Jul-26	Session III	02:40 – 03:00 PM	732	A Comprehensive Survey and Framework for Privacy-Preserving Explainable Federated Graph Learning in Heart Disease Prediction	Online	SABAVATH AKHILA
13	17-Jul-26	Session III	03:00 – 03:20 PM	739	Systemic Adversarial Vulnerability in Deep Learning Classifiers: A Cross-Model Experimental Analysis	Online	RAHUL TERADAL
Tea Break (03:20-03:34AM)							
Technical Session IV		03:20 – 05:15 PM	100 min (5 Papers) Track-3 Schedule: EMERGING TECHNOLOGIES				
14	17-Jul-26	Session IV	03:35 – 03:55 PM	762	AI-Driven Data Synthesis for Schema-Aware Enterprise Platforms with Privacy and Governance	Online	RAMA KRISHNA KUMAR LINGAMGUNTA
15	17-Jul-26	Session IV	03:55 – 04:15 PM	807	Decentralizing Social Networks: A Framework for Personal Data Control and Privacy through Social Personal Data Stores	Online	EESHWAR PASULA

16	17-Jul-26	Session IV	04:15 – 04:35 PM	841	Agentic and Probabilistic AI-Driven Security Framework for Zero-Rated and Walled-Garden Internet Architectures in 5G and Edge Networks	Online	SIMRAT PREET KAUR
17	17-Jul-26	Session IV	04:35 – 04:55 PM	855	A Secure Federated Edge-based Framework for Privacy-Preserving Healthcare IoT Systems	Online	RANGANATHA REDDY
18	17-Jul-26	Session IV	04:55 – 05:15 PM	937	Performance Evaluation of Fidelity Quantum Kernel SVM for Telco Customer Churn Classification	Online	Gogineni saikiran

ROOM-> “MCET E-BLOCK 109”				DAY-1 Track-3 (B) Schedule: EMERGING TECHNOLOGIES			
Session Chair 1 Dr. Vivek Kulkarni Dean, Competency Development, Professor, Dept. of Information Technology Vardhaman College of Engineering Shamshabad, Hyderabad.				Session Chair 2 Dr. B. R. SANJEEVA REDDY Professor and Head, Department, ECE, BVRIT, Narsapur, Hyderabad		Co-Chairs Smt Venkata Mani Sc G, RCI, DRDO Dr BV Ravi Kumar Sc G, RCI, DRDO	Moderators Mrs K Keerthi, 9493449897 Mrs. Shiba Rani
https://teams.microsoft.com/meet/42246085277472?p=6ee1FY4HIeohMI2MAm Meeting ID: 422 460 852 774 72 Passcode: 2Fx6Fi2W Co-Organiser : Mrs K Keerthi, 9493449897							
Technical Session I			09:30 – 11:10 AM		80 min (4 Papers) Track-3 Schedule: EMERGING TECHNOLOGIES		
17-Jul-26		09:30 – 09:50 AM		KEY NOTE			
Sl.no	Date	Session	Time	Paper ID	Paper Title	Presentation Mode	Presenter
19	17-Jul-26	Session I	09:50 – 10:10 AM	957	AI-Based Non-Contact Vital Sign Monitoring Using rPPG for Sustainable Healthcare	Online	Pranathi Madithati
20	17-Jul-26	Session I	10:10 – 10:30 AM	1100	Federated Learning for the Internet of Things: Challenges and Current Advancements	Online	PRIYANKA GROVER
21	17-Jul-26	Session I	10:30 – 10:50 AM	1209	Adaptive Multi-Layered Risk-Aware Authentication Architecture for Contextually Dynamic Cybersecurity Ecosystems	Online	Karvannan. M
22	17-Jul-26	Session I	10:50 – 11:10 AM	1333	Privacy-Preserving IoT Security Using Federated Learning for Distributed Attack Detection	Online	SHREEKANT SALOTAGI
Tea Break (11:10-11:25AM)							
Technical Session II			11:25 – 01:05 PM		100 min (5 Papers) Track-3 Schedule: EMERGING TECHNOLOGIES		
Sl.no	Date	Session	Time	Paper ID	Paper Title	Presentation Mode	Presenter

23	17-Jul-26	Session II	11:25 – 11:45 AM	1334	Federated Learning-Based Intrusion Detection Framework for Secure Internet of Things Environments		Online	SHREEKANT SALOTAGI
24	17-Jul-26	Session II	11:45 – 12:05 PM	1368	Enhanced Machine Learning Methods for Improved Hydrological Forecasting		Online	Dr SHIKHA KHULLAR
25	17-Jul-26	Session II	12:05 – 12:25 PM	1373	Quantum AI-Driven Web Usage Mining for Intelligent Web User Behavior Pattern Discovery and Clustering		Online	VARUN MALIK
26	17-Jul-26	Session II	12:25 – 12:45 PM	1374	Quantum ML Enhanced Web Usage Mining for User Behavior Prediction in Web Analytics		Online	VARUN MALIK
27	17-Jul-26	Session II	12:45 – 01:05 PM	1379	EyeQ: A Quantum–Deep Learning Approach for AMD Classification		Online	Sowmya
Lunch Break (01:15-02:00PM)								
Technical Session III			02:00 – 03:40 PM		100 min (5 Papers) Track-3 Schedule: EMERGING TECHNOLOGIES			
Sl.NO	Date	Session	Time	Room	Paper ID	Paper Title	Presentation Mode	Presenter
28	17-Jul-26	Session III	02:00 – 02:20 PM	Room I	1439	Decentralized Explainable AI Model Governance and Audit Marketplace Using Blockchain	Online	ADITI KARDEKAR
29	17-Jul-26	Session III	02:20 – 02:40 PM	Room I	1482	Feature Selection and Model Compression Strategies in Machine Learning: A Comparative Study for IoT Traffic Classification	Online	SANTHOSH KUMAR V
30	17-Jul-26	Session III	02:40 – 03:00 PM	Room I	1493	Heterogeneous Hardware-Enforced Trust Framework for Next-Generation Cybersecurity and Immutable Digital Forensics	Online	Dr. Gyana Ranjana Panigrahi
31	17-Jul-26	Session III	03:00 – 03:20 PM	Room I	1495	Trust-Oriented Software-Defined Forensic Computing with Entropy-Governed Exfiltration Detection and Tamper-Resilient Evidence Reconstruction	Online	Prof. (Dr.) Kalpesh. H. Vandra
32	17-Jul-26	Session III	03:20 – 03:40 PM	Room I	1517	Detecting Subtle Query Tampering in Cloud-Based Healthcare Systems Using Hybrid Quantum Learning	Online	DIVYA BHARATHI
Tea Break (03:40-03:55AM)								
Technical Session IV			03:55 – 05:35 PM		100 min (5 Papers) Track-3 Schedule:EMERGING TECHNOLOGIES			

33	17-Jul-26	Session IV	03:55 – 04:15 PM	Room I	1526	An Offline-First NGO Education Platform for Rural Areas Using Local-First Storage and Delay-Tolerant Synchronization	Online	Jakku Santhosh Reddy
34	17-Jul-26	Session IV	04:15 – 04:35 PM	Room I	1549	Digital Twin–Driven Cloud AI for Predictive Risk and Trust Management in Healthcare	Online	SAYAN BISHNU
35	17-Jul-26	Session IV	04:35 – 04:55 PM	Room I	1605	Autonomous Agentic SIEM and UEBA Framework for Air-Gapped Networks	Online	HARSHUL RANA
36	17-Jul-26	Session IV	04:55 – 05:15 PM	Room I	1607	Leakage-Free SRNet for Robust LSB Steganalysis in Social Engineering Attacks	Online	Rishit Sharma and Dheeraj Elisetty
37	17-Jul-26	Session IV	05:15 – 05:35 PM	Room I	1613	Staleness-Aware Asynchronous Federated Learning Framework for Delay-Optimized Industrial IoT Analytics in Industry 4.0	Online	Natrayan L