



International conference on Integration of Advanced Technologies for Industry 5.0 (ICIATI 2026)

JULY 03 & 04, 2026

Offline SCHEDULE

Track 1 – Friday, 03rd July 2026 - 02.10 PM to 04.10 PM

Venue: Science & Humanities Seminar Hall

S.NO	PAPER ID	TITLE	TIME
1.	ICIATI 427	Prompt Engineering-Based Resume Analyzer And Feedback Using GPT <i>Vishnu Priya L, Divya Jyoti, Arun Kumar, S Kamaleswari</i> <i>Dept. of Computer Science and Engineering</i> <i>SRM Institute of Science and Technology, Ramapuram</i> <i>Chennai, India</i>	02.10 - 02.20
2.	ICIATI 408	Smart Online Taxi Management System With Real-Time Tracking And Optimized Ride Allocation <i>S.Sudharsan , M.Srinivasan ,V.Muthulakshmi</i> <i>Department of Computer Science and Engineering</i> <i>St.Joseph's College of Engineering</i> <i>OMR , Chennai – 600119</i>	02.20 - 02.30
3.	ICIATI 142	An Enhancing And Securing Image Encryption Using Hybrid Hyperchaotic Fractal Diffusion Framework <i>K Puthin Sai , Dhivyan N , P Fardeen Malik , M Chitra</i> <i>SRM Institute of Science and Technology, Ramapuram</i> <i>Campus, Bharathi Salai, Ramapuram, Chennai – 600 089, India.</i>	02.30 – 02.40
4.	ICIATI 333	An Explainable Clinical Decision Support System For ICU Mortality Prediction Using Hybrid Deep Learning And Xgboost Ensemble <i>Reshmika S, Kavya P, Sridevi Srinivasan,</i> <i>Bhagavathieshwari P</i>	02.40 – 02.50



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		<i>Dept of Computer Science and Engineering, SRM Institute of Science and Technology Ramapuram, Chennai, India</i>	
5.	ICIATI 330	Real-Time Analysis Of Meme Virality Across Social Media For Mental Health Detection, Bias Mapping, And Contextual Sentiment Evolution <i>Lavanya Arora ¹, Krishna Rungta ², R Naresh ^{3*}</i> <i>SRM Institute Of Science And Technology, Bharathi Salai, Ramapuram, Chennai, Tamil Nadu 600089</i>	02.50 – 03.00
6.	ICIATI 317	Deep Learning-Based Congestion Prediction And Quality Of Services In Iot Networks <i>K. Aanandha Saravanan ,G Siva Naga Venkata Ganesh, Katari Likith, R Murugesh</i> <i>Department of ECE ,Vel Tech Rangarajan Dr.Sagunthala R& D Institute of Science and Technology, Chennai, India</i>	03.00 – 03.10
7.	ICIATI296	A Multi-Stage Deep Learning Model For Papaya Leaf Disease Detection, Nutrient Deficiency Classification, And Recovery Trend Prediction <i>Nikhita Sherlin Christopher, Joan Yazhini, J,Sowmiya L</i> <i>Dept of Computer science and Engineering, St. Josephs's College of Engineering, Old Mahabalipuram Road, Kamaraj Nagar, Semmancheri, Chennai, Tamil Nadu 600119, India</i>	03.10 – 03.20
8.	ICIATI483	On A Novel Form Of Topological Structure Via Closure Grill <i>R Alagar , R Diwakar , A Lakshmi , U Pushpalatha</i> <i>Department of Mathematics, Rajeswari Vedachalam Government Arts College, Chengalpattu</i>	03.20 – 03.30
9.	ICIATI 402	Real Time Automated Product Quality Inspection System <i>S Sivakumar , UV Gurucharan , G Nawin , K Nithis Yadav , J CKuber</i> <i>School of Mechanical Sciences, Department of</i>	03.30 - 03.40



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		<i>Mechatronics Engineering, Hindustan Institute Of Technology And Science, Rajiv Gandhi Salai, OMR, Padur, Kelambakkam, Tamil Nadu 603103</i>	
10.	ICIATI671	Transformer Based Multiclass Intrusion Detection System For Network Security <i>Parthiban Aravamudhan, P Pavithra, S Monish, Nitheeswaran S, Devamani K</i> <i>Department of Computer Science and Engineering (Cyber Security), Alpha College of Engineering, Chennai, Tamil Nadu, India</i>	03.40 - 03.50
11.	ICIATI 473	Adaptive Hybrid Resnet-Cnn Architecture For Real- Time Detection Of Deepfake Images And Videos <i>Devadathan J, C.Bagyalakshmi</i> <i>Department of Computer Applications, Hindustan Institute Of Technology And Science, Rajiv Gandhi Salai, OMR, Padur, Kelambakkam, Tamil Nadu 603103</i>	03.50 - 04.00
12.	ICIATI 624	A Study On Adaptive Pivot Pyramids <i>Vasugi T , Jansirani N, Kamal Nasir V</i> <i>Department of Science and Humanities, Veltech High Tech Dr. Rangaranjan Dr. Sakunthala Engineering College, Avadi, India 600062.</i> <i>Department of Mathematics, Queen Mary's College, Chennai, India 600004.</i> <i>Department of Mathematics, The New College, Chennai, India 600014.</i>	04.00 - 04.10



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CSE & IT (Allied)

Track 2 – Friday, 03rd July 2026 - 02.10 PM to 04.10 PM

Venue: KMC Hall

S.NO	PAPER ID	TITLE	TIME
1.	ICIATI 475	Mango Leaf Disease Prediction Using Convolutional Neural Network V. Navin ^{1*} , C Bagyalakshmi ² <i>Department of Computer Applications, Hindustan Institute Of Technology And Science, Rajiv Gandhi Salai, OMR, Padur, Kelambakkam, Tamil Nadu 603103</i>	02.10 - 02.20
2.	ICIATI 470	A Real-Time Multiclass Surveillance Anomaly Detection System Using A Slowfast-Based Temporal Framework Priyadharshini S ^{1*} , Ruchi Singh ² <i>St.Joseph's College Of Engineering Omr, Kamaraj Nagar, Semmancheri Chennai-600119</i>	02.20 - 02.30
3.	ICIATI 609	Application Of Simulated Annealing And Hill Climbing In Financial Portfolio Optimization Aditya Karthikeyan ¹ , Sneha Anne George ² , Rajat Raghunath ³ , Praveen Joe I R ⁴ <i>Vellore Insitute Of Technology, Vandalur - Kelambakkam Road, Chennai</i>	02.30 – 02.40
4.	ICIATI 620	Urban Microclimate Digital Twin For Hyper-Local Heatwave Prediction Using Spatial-Temporal Modeling And Graph Neural Networks Abhinav Gaur ¹ , Aruna S ² <i>Department of Computer Science and Engineerin, SRM Institute Of Science And Technology, SRM Nagar, Kattankulathur, Chengalpattu District, Tamil Nadu, India - 603203</i>	02.50 – 03.00
5.	ICIATI 486	Smart Rescue Rover Bot For Human Detection In Disaster And Warzones Using Iot D Subiksha ¹ , A Aranganathan ² , T. Ravi, Sherin Joannah ¹ , Jessina ^{1e} <i>Department of Electronics and Communication,</i>	03.00 – 03.10



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		<i>Engineering, Sathyabama Institute Of Science And Technology Jeppiar Nagar, Rajiv Gandhi Salai (OMR), Semmancheri, Chennai - 600119</i>	
6.	ICIATI 6891	The Role of Language in the Teaching and Learning of Mathematics among Under Graduate Engineering Students: A Statistical Analysis <i>A Lakshmi, U Pushpalatha</i> <i>KCG College of Technology, Karapakkam Chennai 97</i>	03.10 – 03.20
7.	ICIATI 439	Greenlandx: A Hybrid Xgboost-Based Fraud Detection And Blockchain Framework For Secure Land Registration <i>Vinmathi M S, Sangeetha K, Yuvasree R, Swathi K and Sowmya B</i> <i>Department of Computer Science and Engineering, Panimalar Engineering College Bangalore Trunk Road, Varadharajapuram, Poonamallee, Chennai, Tamil Nadu 600123</i>	03.20 – 03.30
8.	ICIATI 207	Automated Detection Of Psychological Distress From Social Media Text Using Fine-Tuned BERT With Psycholinguistic Feature Augmentation <i>Devaraj G, Aswin Kumar S, Balaji S</i> <i>Department of Computer Science and Engineering, Panimalar Engineering College Bangalore Trunk Road, Varadharajapuram, Poonamallee, Chennai, Tamil Nadu 600123</i>	03.30 - 03.40
9.	ICIATI 416	AI-Powered Digital Forensic Suite For Insider Threat And File Tampering Analysis <i>B Akshaya, Hemalatha G, Hemasri K</i> <i>Department of Computer Science and Engineering, Sathyabama Institute Of Science And Technology Jeppiar Nagar, Rajiv Gandhi Salai (OMR), Semmancheri, Chennai - 600119</i>	03.40 - 03.50
10.	ICIATI 757	Hybrid Xgboost - Deep Neural Network Model For Intelligent Crop Recommendation In Precision Agriculture <i>Gayathri P, Sherin Eliyas</i> <i>Department of Computer Applications, Hindustan Institute Of Technology And Science, Rajiv Gandhi Salai, OMR, Padur, Kelambakkam, Tamil Nadu 603103</i>	03.50 - 04.00
11.	ICIATI773	Access Control Using Emotional Ai Domain: Cyber	04.00 - 04.10



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		Security Algorithm: CNN, LSTM Face Emotion Recognition And Speech Emotion Recognition System <i>Sasika T , Shanthi H J</i> <i>Department of Computer Applications , Hindustan Institute Of Technology And Science, Rajiv Gandhi Salai, OMR, Padur, Kelambakkam, Tamil Nadu 603103</i>	
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CSE & IT (Allied)

Track 3 – Friday, 03rd July 2026 - 02.10 PM to 04.10 PM

Venue: DST Fist Lab

S.NO	PAPER ID	TITLE	TIME
1.	ICIATI 827	Development and Performance Evaluation of Deep learning-based Convolutional Neural Network for Disease Identification and Classification in Cotton Plant <i>Malarvizhi E , D Devaraj</i> <i>Department of Electrical and Electronics Engineering, Kalasalingam Academy Of Research And Education, Anand Nagar, Krishnankoil-626126</i>	02.10 - 02.20
2.	ICIATI 811	PEGASUS: A Domain-Specific Clock-Gated Weight-Stationary Systolic CNN Accelerator with Layer-Adaptive Power Optimization on RISC-V Spartan-7 FPGA SoC <i>Jayasakthi , Deepa Jose , Mohammed Hanif , Anusia Devi, Abdur Rahman</i> <i>Department of Electronics and Communication Engineering , KCG College of Technology, KCG College Rd, Karapakkam, Chennai, Tamil Nadu 600097</i>	02.20 - 02.30
3.	ICIATI 865	Security response automation tool <i>Manjesh , Abdur Rahman , Syed Jaleel , abishekpechiappan , Muhammed Fayad Abdul Gafoor</i> <i>Department of Intelligent and Cybersecurity, Hindustan Institute Of Technology And Science, Rajiv Gandhi Salai, OMR, Padur, Kelambakkam, Tamil Nadu 603103</i>	02.30 – 02.40
4.	ICIATI 861	Detection and Mitigation of Embedded Malware in Pre-Trained AI Models <i>Rakesh S S , Vijay Rajan M , Deepika M , Shakthi Dharan R</i> <i>Department of Intelligent Systems and Cybersecurity,</i>	02.40 – 02.50

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		<i>Hindustan Institute Of Technology And Science, Rajiv Gandhi Salai, OMR, Padur, Kelambakkam, Tamil Nadu 603103</i>	
5.	ICIATI 244	A Cloud-Based Mobile Application for Smart Volunteer Management in NGOs <i>R Adline Freeda , Kishore K , Nithish R , Raghavan K , S Muthuselvan , P Suwathi Department of Information Technology, KCG College of Technology, Karapakkam Chennai 97</i>	02.50 – 03.00
6.	ICIATI 862	A Multiobjective Deep Belief Network for Popularity Prediction to Single Post in social media network <i>T VishnuVardhanreddy , Brahmadesam Viswanathan Krishna Department of CSE , KCG College of Technology, Karapakkam Chennai 97</i>	03.00 – 03.10
7.	ICIATI 866	Multi-variant Mask Faster Region Based Convolution Neural Network for Skin Cancer Segmentation and Staging of Disease on Basis of Disease Classification and its Prognosis <i>K. Vindhya Anuragh , Brahmadesam Viswanathan Krishna Department of CSE , Anna University , Chennai, India Department of CSE , KCG College of Technology, Karapakkam Chennai 97</i>	03.10 – 03.20
8.	ICIATI 873	An IoT-Enabled Intelligent Post-Diagnostic Healthcare Support Framework for Continuous Monitoring, Real-Time Cognitive Assessment, and Personalized Disease Management in Alzheimer's Patients <i>Sorakayala Swarnalatha , Brahmadesam Viswanathan Krishna , chejarla raja S KCG College of Technology, Karapakkam Chennai 97</i>	03.20 – 03.30
9.	ICIATI 874	Deep Transfer Learning and Latent Feature Mapping	03.30 - 03.40



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		for Explainable Brain Tumor Segmentation and Classification in Multi-Modal MRI <i>chejarla raja s, Brahmadesam Viswanathan Krishna , Sorakayala Swarnalatha</i> <i>KCG College of Technology, Karapakkam Chennai 97</i>	
10.	ICIATI 916	AgroEquipAI – An AI-Assisted Platform For Smart Farm Equipment Sharing <i>M Beema Mehraj , E. NaveenKumar , N Keerthika , A. Anju , G. Mahalakshmi , Babymol Kurian</i> <i>KCG College of Technology, Karapakkam Chennai 97</i>	03.40 - 03.50
11.	ICIATI 917	AI-Powered Financial Analysis Platform <i>M Beema Mehraj ^{1*}, Jery Kristen R², Karthick M³</i> <i>KCG College of Technology, Karapakkam Chennai 97</i>	03.50 - 04.00
12.	ICIATI 909	A Trust-Aware Cooperative Vehicle Safety Framework Using Sensor Fusion and Secure V2V Communication <i>Niranjan K ¹, Saran Kumar L ², Sajeeth K ³, Sridhathan C ^{4*}</i> <i>KCG College of Technology, Karapakkam Chennai 97</i>	04.00 - 04.10



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CSE & IT (Allied)

Track 1 – Saturday, 04th July 2026 - 10.00 AM to 12.00 PM

Venue: Science & Humanities Seminar Hall

S.NO	PAPER ID	TITLE	TIME
1.	ICIATI 146	Exploring The Electronic Thermal And Structural Properties Of Cspb1-Xsnxcl3 (X=0.25, 0.75) Using First Principle Study <i>L. Shalini ¹, R. Dhivyabharathi ², M. Manjula ^{3*}</i> <i>Sathyabama Institute Of Science And Technology , Jeppiaar Nagar, Rajiv Gandhi Salai (Old Mahabalipuram Road), Chennai - 600119, Tamil Nadu, India</i>	10.00 - 10.10
2.	ICIATI 163	Integrated Framework For Privacy-Preserving Authentication And Adaptive Risk Management In Omni Channel E-Commerce Systems <i>Jyothi Engineering College, Cheruthuruthy, Thrissur, Kerala, India</i>	10.10 - 10.20
3.	ICIATI 189	Design And Implementation Of A Blockchain-Based Decentralized KYC Verification System Using Ethereum Smart Contracts <i>Simran Priyadarshini ^{1*}, Nadia Imran ²</i> <i>SRM Institute Of Science And Technology SRM Nagar, Kattankulathur, Chengalpattu District, Tamil Nadu – 603203, India.</i>	10.20 - 10.30
4.	ICIATI 622	A Hybrid XGboost And LSTM Autoencoder Framework For Credit Card Fraud Detection With Explainable AI <i>Bhuvanesh E ^{1*}, Anitha S Pillai ²</i> <i>Hindustan Institute Of Technology And Science Rajiv Gandhi Salai, OMR, Padur, Kelambakkam, Tamil Nadu 603103</i>	10.30 - 10.40
5.	ICIATI 469	Marine Life Preservation Using AI-Powered Coral Reef Health Analysis <i>Eunice Krithi Sharol T ^{1*}, Sujithra G ²</i>	10.40 - 10.50



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		SRM INSTITUTE OF SCIENCE AND TECHNOLOGY, KTR SRM Nagar, Kattankulathur - 603203, Chengalpattu District, Tamil Nadu, India.	
6.	ICIATI 277	Verifying And Auditing Smart Contract Codes Using Large Language Models (LLM) <i>Kaviya K^{1*}, Adithiya N²</i> SRM INSTITUTE OF SCIENCE AND TECHNOLOGY, KTR , SRM Nagar, Kattankulathur - 603203, Chengalpattu District, Tamil Nadu, India.	10.50 – 11.00
7.	ICIATI 631	Solving Interval Valued Trapezoidal Fuzzy Number Transportation Problem Using Signed Distance Ranking And Comparing Its Optimality <i>V Kamal Nasir¹, A Jamal Barakath², M Fathima Farhana Begum^{3*}</i> No. 147, Peter's Rd, Royapettah, Chennai-14, Chennai, Tamil Nadu.	11.00 – 11.10
8.	ICIATI 680	Secure Federated Data Fusion Model For Traffic Violation Detection Using Rule Based Supervision <i>Vinnodhini H^{1*}, R Subash²</i> SRM INSTITUTE OF SCIENCE AND TECHNOLOGY, KTR , SRM Nagar, Kattankulathur - 603203, Chengalpattu District, Tamil Nadu, India.	11.10 – 11.20
9.	ICIATI 748	Medical Tourism Product Design Destination Branding For Chennai <i>Sheik Ameer Hamza S^{1*}, Ayyanathan N²</i> Hindustan Institute Of Technology And Science Rajiv Gandhi Salai, OMR, Padur, Kelambakkam, Tamil Nadu 603103	11.20 – 11.30
10.	ICIATI 585	A Comparative Study Of Cloud Pricing Models And Their Impact On Small And Medium Enterprises <i>Kiranmai Maddula¹, Prabu S^{2*}</i> Hindustan Institute Of Technology And Science Rajiv Gandhi	11.30 – 11.40



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		<i>Salai, OMR, Padur, Kelambakkam, Tamil Nadu 603103</i>	
11.	ICIATI 591	A Comparative Study Of Attention-Based Spatiotemporal Models For Traffic Prediction In Cloud Environments <i>Durga Bhavani Kuppa ^{1*}, H J Shanthi ²</i> <i>Hindustan Institute Of Technology And Science Rajiv Gandhi Salai, OMR, Padur, Kelambakkam, Tamil Nadu 603103</i>	11.40 – 11.50
12.	ICIATI 124	A Patient-Sovereign Privacy Framework For Healthcare Data Verification Using Zero-Knowledge Proofs And Blockchain <i>Karthik Cheroor Muraleedharan ^{1*}, Amal Jimmy ²</i> <i>Jyothi Engineering College (Autonomous), Jyothi Hills, Panjal Rd, Vettikattiri, Cheruthuruthi, Kerala 679531</i>	11.50 – 12.00



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CSE & IT (Allied)

Track 2 – Saturday, 04th July 2026 - 10.00 AM to 12.00 PM

Venue: KMC Hall

S.NO	PAPER ID	TITLE	TIME
1.	ICIATI 739	A Computational Model For Real Time Speech Severity In Therapy Systems <i>Jebaprabha B^{1*}, R. Sriramsundar K²</i> <i>KIT - Kalaigarkarunanidhi Institute Of Technology, Coimbatore</i>	10.00 - 10.10
2.	ICIATI 810	A Machine Learning Framework For Predicting Customer Purchase Behavior Using Ensemble Models <i>Jayapriyan P^{1*}</i> <i>Hindustan Institute Of Technology And Science Rajiv Gandhi Salai, OMR, Padur, Kelambakkam, Tamil Nadu 603103</i>	10.10 - 10.20
3.	ICIATI 752	Design Of Microstrip Patch Antenna For Early Kidney Stone Detection <i>K Indhumathi¹, V Nisha Priyadharsini^{2*}</i> <i>Rajalakshmi Institute Of Technology</i>	10.20 - 10.30
4.	ICIATI 753	A Review Of Membrane-Based RF Sensor Development <i>K Indhumathi¹, V Nisha Priyadharsini^{2*}</i> <i>Rajalakshmi Institute Of Technology</i>	10.30 - 10.40
5.	ICIATI 761	A Machine Learning-Based Framework For Dynamic Load Balancing In Cloud Computing <i>Aashik Akilan C^{1*}, Mary Reni²</i> <i>Hindustan Institute Of Technology And Science Rajiv Gandhi Salai, OMR, Padur, Kelambakkam, Tamil Nadu 603103</i>	10.40 - 10.50
6.	ICIATI 762	An Intelligent Framework For House Price Prediction Using ML And DL Techniques	10.50 – 11.00



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		<i>Santhosh S^{1*}</i> <i>Hindustan Institute Of Technology And Science Rajiv Gandhi Salai, OMR, Padur, Kelambakkam, Tamil Nadu 603103</i>	
7.	ICIATI 808	An Intelligent Driver Assistance System For Bling Spot Detection Using Ultrasonic Sensors And Fuzzy Logic Control <i>Pranesh S A¹, Kavin C A², Sivasundar Manisankar^{3*}</i> <i>SASTRA Deemed University, Thanjavur</i>	11.00 – 11.10
8.	ICIATI 795	A Study On The Effectiveness Of Time Of Flight Measurement Schemes For Liquid Quality Detection <i>Seajangini S V^{1*}, Arish Babu S²</i> <i>Anna University, MIT Campus, MIT Road, Chromepet, Chennai - 600044</i>	11.10 – 11.20
9.	ICIATI 596	Machine Learning-Based Framework For Cross- Border Payment Optimization And Anomaly Detection <i>Sheik Ameer Hamza S^{1*}, Ayyanathan N²</i> <i>Hindustan Institute Of Technology And Science Rajiv Gandhi Salai, OMR, Padur, Kelambakkam, Tamil Nadu 603103</i>	11.20 – 11.30
10.	ICIATI 804	An Integrated Edge-Based Vehicle Telemetry And Safety System With Biometric Driver Identification And Forensic Data Logging <i>S V Prasath¹, V Rahul², Arulananth TS^{3*}</i> <i>Chennai Institute Of Technology, Sarathy Nagar, Kundrathur, Chennai, Malayambakkam, Tamil Nadu 600133</i>	11.30 – 11.40
11.	ICIATI 781	FSR-Based High-Performance Assistive Communication Glove Using Hybrid Machine Learning For Real-Time Gesture Recognition <i>Arulmozhi P^{1*}, Parameshwaran S²</i> <i>KSR College Of Engineering, KSR Kalvi</i>	11.40 – 11.50



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		<i>Nagar, Tiruchengode, Namakkal-637215</i>	
12.	ICIATI 851	CyberSentinal: A Real-Time Cybersecurity Framework For System Protection, File Encryption/Decryption, and Steganographic Data Concealment <i>Balamurugan P^{1*}, Arun kumaran S², Rohit P³</i> <i>Hindustan Institute Of Technology And Science Rajiv Gandhi Salai, OMR, Padur, Kelambakkam, Tamil Nadu 603103</i>	11.50 – 12.00



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Track 3 – Saturday, 04th July 2026 - 10.00 AM to 12.00 PM

Venue: DST-FIST

S.NO	PAPER ID	TITLE	TIME
1.	ICIATI 899	An Attention Enhanced CNN Framework with Explainable Techniques for Early Detection of Alzheimer's Disease <i>K Sowmiya ¹, X Arputha Rathina S ^{2*}</i> <i>B.S. Abdur Rahman Crescent Institute of Science and Technology,</i> <i>Vandalur, Chennai</i>	10.00 - 10.10
2.	ICIATI 689	An IoT-Enabled Intelligent Post-Diagnostic Healthcare Support Framework for Continuous Monitoring, Real-Time Cognitive Assessment, and Personalized Disease Management in Alzheimer's Patients <i>Sorakayala Swarnalatha ^{1*}, Brahmadesam Viswanathan Krishna ², Chejarla Raja S ³</i> <i>KCG College of Technology, Karapakkam</i> <i>Chennai 97</i>	10.10 - 10.20
3.	ICIATI 890	Computational Study Of Even Sum Domination In Snake Graph Families Using Python <i>A Lakshmi ^{1*}, P Varshini ², L. Jethruth Emelda Mary ³</i> <i>KCG College of Technology, Karapakkam</i> <i>Chennai 97</i>	10.20 - 10.30
4.	ICIATI 872	Secure Fair Domination In Multi Fuzzy Graph <i>K Krithika ^{1*}, S Revathi ², R Muthuraj ³</i> <i>KCG College of Technology, Karapakkam</i> <i>Chennai 97</i>	10.30 - 10.40
5.	ICIATI 918	MBOS (Mitali Bafna operating system)	10.40 - 10.50



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		<i>Mitali Bafna ^{1*}, Mitali S ²</i> <i>Hindustan Institute Of Technology And Science Rajiv Gandhi Salai, OMR, Padur, Kelambakkam, Tamil Nadu 603103</i>	
6.	ICIATI 912	Sentimental Analysis System for Mental Health Restoration using MLM and NLP <i>Priya S ^{1*}, Adithya GV ², Jerem Mathew ³</i> <i>KCG College of Technology, Karapakkam Chennai 97</i>	10.50 – 11.00
7.	ICIATI 880	Secure Android Vault with Biometric Access, Threat Detection and Encrypted File Management <i>Sudharshan Balaji L ¹, Sajan R ^{2*}, Anusri P ³</i> <i>Hindustan Institute Of Technology And Science Rajiv Gandhi Salai, OMR, Padur, Kelambakkam, Tamil Nadu 603103</i>	11.00 – 11.10
8.	ICIATI 863	FedXDroid: A Federated Learning Framework with Explainable AI for Lightweight Malware Detection in Android-Based IoT Environments <i>Peddaaswarthu Ramesh ^{1*}, B V Krishna ²</i> <i>KCG College of Technology, Karapakkam Chennai 97</i>	11.10 – 11.20
9.	ICIATI 875	Surfarmor Intelligent Browser Extension for Real Time Malicious URL Detection Using LightGBM and Hybrid Feature Engineering <i>Ameerdeen N ¹, Mohammed Afroze K ², Ragul R ³, Aileen Chris P ^{4*}</i> <i>Hindustan Institute Of Technology And Science Rajiv Gandhi Salai, OMR, Padur, Kelambakkam, Tamil Nadu 603103</i>	11.20 – 11.30
10.	ICIATI 879	Zero-Trust Data Object Security Framework for Self- Verifying Digital Evidence <i>Harish Anand P ¹, Abishek Pechiappan P ², Deepak Arjun D ³, Aileen Chris P ^{4*}</i> <i>Hindustan Institute Of Technology And Science Rajiv Gandhi Salai, OMR, Padur, Kelambakkam, Tamil Nadu 603103</i>	11.30 – 11.40



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11.	ICIATI 929	ATFX-Net: An Attention Transformer and XGBoost-Based Hybrid Model for Automated Image Tagging and Classification <i>Safia Naveed. S¹, Devi R^{2*}, Robinson Joel M³</i> <i>KCG College of Technology, Karapakkam</i> <i>Chennai 97</i>	11.40 – 11.50
12.	ICIATI 907	FABRIC-AI: Procedural Synthetic Data Generation for Indian Road Hazard Detection using RAG-Guided Parameterization <i>S Sheryl Catherine^{1*}, Safia Naveed S², Judah Michael³, Priya Magesh⁴, Venkat Tharun⁵</i> <i>Jeppiaar Engineering College, Semmenchery, Chennai.</i>	11.50 – 12.00



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CSE & IT (Allied)

Track 4 – Saturday, 04th July 2026 - 10.00 AM to 12.00 PM

Venue: S13

S.NO	PAPER ID	TITLE	TIME
1.	ICIATI 935	Effectiveness of AI-Driven Learning on Professional English Communication Skills Among Engineering Students <i>Karunashree V S^{1*}</i> <i>KCG College of Technology, Karapakkam</i> <i>Chennai 97</i>	10.00 - 10.10
2.	ICIATI 463	Smart traffic management system <i>Ramana S^{1*}, M Priya²</i> <i>Hindustan Institute Of Technology And Science Rajiv Gandhi</i> <i>Salai, OMR, Padur, Kelambakkam, Tamil Nadu 603103</i>	10.10 - 10.20
3.	ICIATI 876	AI Driven Network Traffic Intelligence For Real Time Insider Threats Detection <i>Narendiran E¹, Sakina k², Aafreen Basha^{3*}</i> <i>Hindustan Institute Of Technology And Science Rajiv Gandhi</i> <i>Salai, OMR, Padur, Kelambakkam, Tamil Nadu 603103</i>	10.20 - 10.30
4.	ICIATI 488	A Smart System For Food Waste Minimization And Surplus Food Redistribution <i>Jashwa Kavi Priyan R^{1*}, Vanitha Jaitly²</i> <i>Hindustan Institute Of Technology And Science Rajiv Gandhi</i> <i>Salai, OMR, Padur, Kelambakkam, Tamil Nadu 603103</i>	10.30 - 10.40
5.	ICIATI 512	Hybrid Learning Framework for Real-Time Identification of Fraudulent E-Commerce Platforms in Pre-Payment Scenarios <i>Lovely Mahto^{1*}, Vanitha Jaitly²</i> <i>Hindustan Institute Of Technology And Science Rajiv Gandhi</i> <i>Salai, OMR, Padur, Kelambakkam, Tamil Nadu 603103</i>	10.40 - 10.50
6.	ICIATI 941	Privacy-Preserving Secure Multi Agent Framework for Intelligent Aquaculture Monitoring <i>K R Kartheeswari^{1*}, Vallikannu²</i> <i>Hindustan Institute Of Technology And Science Rajiv Gandhi</i> <i>Salai, OMR, Padur, Kelambakkam, Tamil Nadu 603103</i>	10.50 – 11.00
7.	ICIATI 641	An optimal assignment model based on Hellinger distance in a Fermatean Neutrosophic environment	11.00 – 11.10



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		<i>V Sulochana ¹, P Lakshmi Gayathri ^{2*}</i> <i>KCG College of Technology, Karapakkam</i> <i>Chennai 97</i>	
8.	ICIATI 048	Zero-Knowledge Proofs, Edge Computing, Privacy-Preserving Computer Vision, Feature Embeddings, People Monitoring, On-Premise Cloud <i>Joseph Pradeep Pallan ¹, Niya Jasmin M J ², Amrutha Suresh ^{3*}</i> <i>Jyothi Engineering College Jyothi Hills, Panjal Rd, Vettikattiri, Cheruthuruthi, Kerala 679531</i>	11.10 – 11.20
9.	ICIATI 947	Real-Time Energy Consumption Tracker Using IOT with the Load Protection System <i>Gajulapalli Deepthi ¹, P. L.V Neha Naidu ², Abdul Rahman ³, V. R. Prakash ^{4*}</i> <i>Hindustan Institute Of Technology And Science Rajiv Gandhi Salai, OMR, Padur, Kelambakkam, Tamil Nadu 603103</i>	11.20 – 11.30



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Biomedical Engineering

Session 1 – Friday, 03rd July 2026 - 02.10 PM to 04.10 PM

Venue: S13

S.NO	PAPER ID	TITLE	TIME
1.	ICIATI 270	Diabetic Retinopathy Severity Evaluation Using Vision Transformers And Grad CAM <i>P Hemanth Kumar ¹, L Andrew Rebello ², Aruna M ^{3*}</i> <i>SRM INSTITUTE OF SCIENCE AND TECHNOLOGY, KTR SRM Nagar, Kattankulathur - 603203, Chengalpattu District, Tamil Nadu, India.</i>	02.10 - 02.20
2.	ICIATI 280	A Hybrid GNN-XGboost Framework For Explainable Drug Repurposing <i>St. Joseph's College Of Engineering, Old Mahabalipuram Road, Kamaraj Nagar, Semmancheri, Chennai, Tamil Nadu 600119, India</i>	02.20 - 02.30
3.	ICIATI 049	Deep Learning For Early Oral Cancer Detection:A Smart Phone Based R CNN Approach <i>Latha R ¹, Keerthana R ², Sankara Gomathi G ^{3*}</i> <i>Annai Veilankanni's College Of Engineering 33, Gandhi Rd, Nedungundram, Chennai, Tamil Nadu 600127</i>	02.30 – 02.40
4.	ICIATI 155	An Explanatory Deep Learning For Heart Failure Prediction A Hybrid Modality Combining ANN AUC-ROC And SHAP <i>Pavithra P ^{1*}, Parthiban Aravamudhan ²</i> <i>Alpha College Of Engineering, Udayavar Koil Street, Thirumazhisai, Poonamallee, Chennai</i>	02.40 – 02.50
5.	ICIATI 644	Artificial Intelligence And Deep Learning Techniques For Orthodontic Diagnosis And Treatment Prediction: A Comprehensive Review <i>Ramyaalakshmi A ^{1*}, Jayamangala H ²</i> <i>Vels Institute Of Science, Technology & Advanced Studies (VISTAS) Pallavaram, Chennai- 600117</i>	02.50 – 03.00
6.	ICIATI 633	Spatial Tumor Risk Analysis-Based Lung Cancer	03.00 – 03.10



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		Detection And Classification Using Nnseu-Net And Msdtl-Densenet <i>A. Nivashini ^{1*}, M. Krishnamurthy ²</i> <i>Misrimal Navajee Munoth Jain Engineering College Jyothi Nagar, Thoraipakkam, Chennai - 600097</i>	
7.	ICIATI 461	Transformer-Enhanced Convolutional Neural Network For Benign And Malignant Skin Lesion Classification <i>Gomathi K ^{1*}, M Priya ²</i> <i>Hindustan Institute Of Technology And Science Rajiv Gandhi Salai, OMR, Padur, Kelambakkam, Tamil Nadu 603103</i>	03.10 – 03.20
8.	ICIATI 451	Comparative Machine Learning Classification Of Autism Spectrum Disorder Using Gene Expression And Mirna Datasets With Explainable AI Biomarker Identification <i>Premchand V H ^{1*}, Nivetha R ²</i> <i>Kumaraguru College Of Technology Kumaraguru Campus, Saravanampatti, Chinnavedampatti, Coimbatore- 641049, Tamilnadu.</i>	03.20 – 03.30
9.		An Intelligent Machine Learning Approach For Breast Cancer Prediction <i>Hindustan Institute Of Technology And Science Rajiv Gandhi Salai, OMR, Padur, Kelambakkam, Tamil Nadu 603103</i>	03.30 - 03.40
10.	ICIATI 713	Machine Learning–Driven Cardiovascular Disease Risk Assessment For Diabetic Patients Using Gradient Boosting <i>Abhay V ^{1*}, Lakshmanan S ²</i> <i>Hindustan Institute Of Technology And Science Rajiv Gandhi Salai, OMR, Padur, Kelambakkam, Tamil Nadu 603103</i>	03.40 - 03.50
11.	ICIATI 405	Robotic Arm Integrated With Mecanum Drive System <i>Morri Murari Yadav ^{1*}</i> <i>Hindustan Institute Of Technology And Science Rajiv Gandhi Salai, OMR, Padur, Kelambakkam, Tamil Nadu 603103</i>	03.50 - 04.00



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Electrical Sciences (Embedded)

Track 5 – Friday, 03rd July 2026 - 02.10 PM to 04.10 PM

Venue: F14

S.NO	PAPER ID	TITLE	TIME
1.	ICIATI 365	Real-Time Object Detection And Tracking On Edge Gpus A Performance-Oriented Survey On NVIDIA Jetson Nano Deployments <i>Archana D^{1*}, Radhika V²</i> <i>Sri Ramakrishna Engineering College, Coimbatore</i>	02.10 - 02.20
2.	ICIATI 180	A Real-Time Underground Power Cable Fault Identification And Localization Modular Embedded Iot Framework <i>R Maheswari¹, Sadhana J C², Tamanna S^{3*}</i> <i>KCG COLLEGE OF TECHNOLOGY, Karappkkam , Chennai</i>	02.20 - 02.30
3.	ICIATI085	Real-Time Environmental Monitoring And Notification System For Livestock Using GSM Technology <i>Aarupadai Veedu Institute Of Technology , Vmr(fDu) Omr, Paiyanoor, Ch-603104</i>	02.30 – 02.40
4.	ICIATI 345	AI-Driven Cognitive Digital Twin For Real-Time Cyber-Attack Detection And Mitigation In Smart Microgrids <i>Brindha NC¹, Rajkumar Pandiarajan², Sairanthri^{3*}</i> <i>Kalasalingam Academy Of Research And Education Krishnankoil, Srivilliputhur</i>	02.40 – 02.50
5.	ICIATI319	A Survey Of Artificial Intelligence Techniques For Massive MIMO And 6G Wireless Systems <i>S Lavanya 1*</i> <i>Jerusalem College Of Engineering Main Block, Velachery Main</i>	02.50 – 03.00



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		<i>Rd, Narayanapuram, Pallikaranai, Chennai, Tamil Nadu 600100</i>	
6.	ICIATI 499	IoT-Based Smart Drip Irrigation And Fertigation System For Efficient Water And Nutrient Management <i>Aqram Hamisi Karama 1*, D.Devika 2</i> <i>Hindustan Institute Of Technology And Science 603103, Tamil Nadu</i>	03.00 – 03.10
7.	ICIATI 485	Comparative Harmonic Analysis Of a Three-Level Cascaded H-Bridge Inverter Using SPWM And SVPWM <i>Nikitha S ¹, Palanisamy S ², Loganadhan N ^{3*}</i> <i>Sri Krishna College Of Engineering And Technology BK Pudur, Kuniyamuthur, Tamil Nadu 641008</i>	03.10 – 03.20
8.	ICIATI 614	Smart Traffic Management System Using AI + IoT <i>Mowshika Nazrin Z ¹, Siddheswar M S ², Bharathi G ^{3*}</i> <i>Periyar Maniammai Institute Of Science And Technology Periyar Nagar, Vallam - 613 403, Thanjavur</i>	03.20 – 03.30
9.	ICIATI 403	Smart Robotic Washroom Cleaner Robot <i>R Sandhiya ¹, C K Harmitha ², N Seenu ^{3*}</i> <i>Hindustan Institute Of Technology And Science, Rajiv Gandhi Salai, OMR, Padur, Kelambakkam, Tamil Nadu 603103</i>	03.30 - 03.40
10.	ICIATI 594	Design And Fabrication Of A Vortex Bladeless Windmill For Sustainable Energy Generation <i>Santhosh Kumar R ¹, Deepan R ², Guru Moorthy H ^{3*}</i> <i>Hindustan Institute Of Technology And Science, Rajiv Gandhi Salai, OMR, Padur, Kelambakkam, Tamil Nadu 603103</i>	03.50 - 04.00
11.	ICIATI 486	Smart Rescue Rover Bot For Human Detection In Disaster And Warzones Using IoT <i>Sherin Joannah J ¹, Subiksha D ^{2*}</i> <i>Sathyabama Institute Of Science And Technology Jeppiar Nagar, Rajiv Gandhi Salai (OMR), Semmancheri, Chennai - 600119</i>	04.00 - 04.10



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Electrical Sciences (Embedded)

Track 5 – Saturday, 04th July 2026 – 10.00 AM to 12.00 PM

Venue: F14

S.NO	PAPER ID	TITLE	TIME
1.	ICIATI 143	User-Side Automation In Demand Response Management: An IoT-Integrated Smart Energy Control System <i>Akshaya Karnan ^{1*}, Annie Nancy Gabriel ²</i> <i>Loyola-ICAM Institute Of Engineering And Technology, Nungambakkam, Chennai, Tamil Nadu 600034</i>	10.00 - 10.10
2.	ICIATI 734	Ai Agent-Based Digital Twin For Optimization And Predictive Maintenance Of Electric Scooter Powertrains <i>Dinesh Aravindhan ^{1*}, Ruban Rajkumar ²</i> <i>SRM University Chennai SRM Nagar, Kattankulathur, Chengalpattu District, Tamil Nadu, India - 603203</i>	10.10 - 10.20
3.	ICIATI 724	Capacitor Assisted Regenerative Braking Model Enhanced By Physics Informed Neural Network <i>Dinesh Aravindhan ^{1*}, Ruban Rajkumar ²</i> <i>SRM University Chennai SRM Nagar, Kattankulathur, Chengalpattu District, Tamil Nadu, India - 603203</i>	10.20 - 10.30
4.	ICIATI 691	Electronic Automated Defibrillator Rescue Robot Ambulance For Medical Service In Metropolis <i>K Karthika ^{1*}, T G Arul Flora ²</i> <i>KCG College Of Technology , Karapakkam, Chennai-97</i>	10.30 - 10.40
5.	ICIATI 438	An IoT-Based System For Monitoring And Controlling Windmill Operations Via Mobile Application <i>K. Keerthiga ^{1*}</i>	10.40 - 10.50



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		<i>IFET College Of Engineering, Villupuram, Tamil Nadu</i>	
6.	ICIATI 140	Silicon-Induced Tailoring Of Optical Properties In Mg₂C: A First-Principles Study <i>Sathyabama Institute Of Science And Technology Jeppiar Nagar, Rajiv Gandhi Salai (OMR), Semmancheri, Chennai - 600119</i>	10.50 – 11.00
7.	ICIATI154	Performance-Optimized Deep Learning IDS For Iot Environments <i>Panga Haripriya ¹, Ojashwini Ramesh ², Nithya B ³, P Pavithra ^{4*}</i> <i>Alpha College Of Engineering Alpha Group Of Institutions Administrative Office, No.16, 3rd Cross Street, West C.I.T. Nagar, Chennai - 600 035, Tamil Nadu, India.</i>	11.00 – 11.10
8.	ICIATI 060	IoT Based Air Conditioner Performance Monitoring And Service Optimization <i>Sathiyavathi S ^{1*}, Sai Sanjay G ²</i> <i>Rajalakshmi Enginnering College, Thandalam, Chennai</i>	11.10 – 11.20
9.	ICIATI 754	A Study on Software Defined Radio Platforms for Satellite Telemetry Reception <i>Srinithi A ¹, Thirunavukarasu M ², Vasanth Raj V ^{3*}</i> <i>Madras Institute of Technology, Anna University, MIT Campus, Anna University, Chromepet-44</i>	11.20 – 11.30
10.	ICIATI 821	LiFi System for Under Water Communications <i>Praveen S ^{1*}, Swathi A ², Sai kannan M ^{3*}</i> <i>Chennai Institute Of Technology, Sarathy Nagar, Kundrathur, Chennai, Malayambakkam, Tamil Nadu 600133</i>	11.30 – 11.40
11.	ICIATI 877	Emerging Nanomaterial-Based Bioelectronic Systems for Autonomous Health Monitoring: A Comprehensive Review <i>K Jayasakthi ^{1*}, Deepa Jose ²</i> <i>KCG College of Technology, Karapakkam, Chennai 97</i>	11.40 – 11.50
12.	ICIATI 888	Impact of Nanowire Shape on the Electrical and Thermal Properties of Silicon and Gallium Arsenide OMEN Nanowires <i>Revanth S</i> SIMATS ENGINEERING, <i>Saveetha Nagar, Thandalam, Chennai - 602 105, TamilNadu,</i>	11.50 – 12.00



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Fashion Technology

Track 6 – Friday, 03rd July 2026 - 02.10 PM to 04.30 PM

Venue: Robert Bosch Lab

S.NO	PAPER ID	TITLE	TIME
1.	ICIATI 363	Chitosan-Based Nanoencapsulation Of Rosmarinus Officinalis For High-Performance Mosquito-Repellent Functional Textiles <i>Sanjana R^{1*}, J Banupriya²</i> <i>PSG College Of Arts & Science, Avinashi Road, Civil Aerodrome Post, Coimbatore</i>	02.10 - 02.20
2.	ICIATI 202	Kapok–Cotton Blend For Sweat Pad Core: A Green And Biodegradable Alternative To Synthetic Fillings <i>J Banupriya^{1*}, Jeevitha P²</i> <i>PSG College Of Arts & Science, Avinashi Rd, PSG CAS, Civil Aerodrome Post, Coimbatore, Tamil Nadu 641014</i>	02.20 - 02.30
3.	ICIATI 825	Experimental Study On Effective Utilization Of Artificial Geopolymer Fly Ash Aggregate In Concrete <i>D Kanagaraj^{1*}, A Alex Rajesh²</i> <i>KSR College Of Engineering, KSR Kalvi Nagar, Tiruchengode, Namakkal-637215</i>	02.30 – 02.40
4.	ICIATI 844	UV laser based selective removal of Polyamide Coatings from Platinum microwires <i>Danial Rahnema¹, Graziano Chila², Sivakumar Narayanswamy^{3*}</i> <i>Concordia University, Montreal, Quebec Canada</i>	02.40 – 02.50
5.	ICIATI 857	UNDERSTANDING THE IMPACT OF 3D SURFACE TOPOGRAPHY OF KNIT FABRICS ON UV PROTECTION <i>Habeebunissa^{1*}, Anish Sharmila²</i>	02.50 – 03.00

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		<i>Hindustan Institute Of Technology And Science, Rajiv Gandhi Salai, OMR, Padur, Kelambakkam, Tamil Nadu 603103</i>	
6.	ICIATI-M1075	Integrated Qualitative and Quantitative Performance Analysis of a Paint Industry Wastewater Treatment Plant Using HAZOP, HIRA and Treatability Assessment <i>R Ashok Kumar ¹, P Vignesh ², M Prabhu ³, P Nithish Kumar ^{4*}</i> <i>K.S.R. College of Engineering, Tiruchengode, KSR Kalvi Nagar, Tamil Nadu</i>	03.00 – 03.10
7.	ICIATI 949	Design and Performance Evaluation of a Centralized Oil Mist Collection System for Air Quality Improvement in Automotive Machining Operations <i>R Ashok Kumar ¹, P Vignesh ², M Prabhu ³, T Dhanush Kumar ^{4*}</i> <i>K.S.R. College of Engineering, Tiruchengode, KSR Kalvi Nagar, Tamil Nadu</i>	03.10 – 03.20
8.		Development and Performance Evaluation of a Low-Cost Automated Fabric Stiffness Tester Using IR Sensor-Based Cantilever Detection <i>Ayisha Siddiqua S., Akshaya R., Sasikala D., Bharani Murugesan</i> <i>KCG College of Technology, Karapakkam, Chennai 97</i>	03.20 – 03.30
9.		Development and Evaluation of Antimicrobial Properties of Milkweed–Bamboo Blended Fabric Produced Using Air Vortex Spinning for Medical Textile Applications <i>Hamsini V., Nisha V.S., Benadict Asha J</i> <i>KCG College of Technology, Karapakkam, Chennai 97</i>	03.30 – 03.40
10.		Development of Medicinal and Eco-Friendly Shoe Soles Using Calotropis gigantea Treated Fabric <i>G.M. Divina Patricia, L. Nithiya, V. Ranjani, G. Mohamed Zakriya</i> <i>KCG College of Technology, Karapakkam, Chennai 97</i>	03.40 – 03.50



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11.		Development of pH-Sensitive Color Change (Indicator Fabric) <i>Chandru B.N., Nafla M., Sahasra Dhanavalli M., Shivani S</i> <i>KCG College of Technology, Karapakkam, Chennai 97</i>	03.50 – 04.00
12.		Smart Protective Clothing for Motorcycle Rider Safety: Review of Recent Progress in Edge AI-Based Smart Protective Clothing for Motorcycle Rider Safety: An Evaluation <i>Vishnupriya S, Lokesh K S, Priyadharsini G, Kency Vinlate S, Sowmmiya S</i> <i>KCG College of Technology, Karapakkam, Chennai 97</i>	04.00 – 04.10
13.		Development of Air-Purifying Smart Textile for Sustainable Clothing Applications <i>Varshanthini S, Vaishnavi S, Sharunnisa N</i> <i>KCG College of Technology, Karapakkam, Chennai 97</i>	04.10 – 04.20
14.		Development of Preventive Diabetic Footwear with Wool–Kapok Fibre Blend to Improve Blood Circulation and Diabetic Foot Ulcer Prevention <i>Simrithi S., Loga Dharshini G., Karthick Raj T.P., Dr. G. Mohamed Zakriya</i> <i>KCG College of Technology, Karapakkam, Chennai 97</i>	04.20 – 04.30