



Department of Research and Development

2026 International Conference

on

Emerging Trends in Mobile Computing and Sustainable Informatics

IEEE Conference Record Number: 67638



ICEMCSI

Proceedings

17th – 18th June 2026

Media Type Requested	Part Number	ISBN
XPLORE COMPLIANT	CFP263AB-ART	979-8-3315-5336-4
USB	CFP263AB-USB	979-8-3315-5335-7

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Event Report

Title	2026 International Conference on Emerging Trends in Mobile Computing and Sustainable Informatics (ICEMCSI)	
Department	Research and Development	
Date	From: 17.06.2026	To: 18.06.2026
Time	From: 10:00 AM	To: 12:30 PM

Brief report

The Department of Research and Development, New Horizon College of Engineering, successfully organized the “2026 International Conference on Emerging Trends in Mobile Computing and Sustainable Informatics (ICEMCSI)” on 17–18 June 2026 as part of the institution's Silver Jubilee Year Celebrations under the "Silver Summit" initiative. The conference was technically sponsored by IEEE and technically co-sponsored by the IEEE Bangalore Section, IEEE Power Electronics Society (PELS) Bangalore Chapter, and IEEE Industrial Electronics Society (IES) Bangalore Chapter. The conference was approved under IEEE Conference Application Number: 67638.

ICEMCSI 2026 served as an international platform for academicians, researchers, industry professionals, scientists, and students to exchange ideas, present cutting-edge research, and discuss emerging trends in the fields of Mobile Computing and Sustainable Informatics. The conference attracted over 648 participants from nearly 70 institutions across India, along with authors of 4 international research papers, creating a vibrant environment for academic collaboration and knowledge exchange.

The conference commenced on 17 June 2026 with an inaugural ceremony held at the NHCE Auditorium. The inaugural session began with the National Song, followed by the welcome address delivered by Dr. Revathi V, Organising Secretary, Professor & Dean (R&D). The ceremony was graced by Mr. Avinash M, Project Director, U.R. Rao Satellite Centre (ISRO), Bengaluru, as the Chief Guest; Dr. Chengappa Munjandira, Chair-Elect 2027, IEEE Bangalore Section, as the Guest of Honour; and Dr. Vijanth Sagayan Asirvadam, Associate Professor, Universiti Teknologi PETRONAS (UTP), Malaysia, as the keynote speaker. Dr. Manjunatha, Principal, and Dr. Anandhi R. J., Dean Academics, also addressed the gathering.

During the inaugural function, the conference proceedings were formally released by the dignitaries, followed by the presentation of mementos, vote of thanks, and the National Anthem.

A major highlight of ICEMCSI 2026 was the series of distinguished keynote lectures delivered by eminent experts from academia, industry, and research organizations.

Keynote Lecture 1 was delivered by Dr. Vijanth Sagayan Asirvadam on "Dynamic Programming for Camera Placement and Drone Path Planning using Mobile Computing." The lecture focused on optimization techniques, artificial intelligence, and mobile computing applications in surveillance, autonomous navigation, disaster management, and smart transportation systems.

Keynote Lecture 2 was presented by Mr. Avinash M, Project Director, U.R. Rao Satellite Centre (ISRO), Bengaluru, on "Systems Engineering Enabled Solutions for Sustainable Informatics in Satellite Systems." The session highlighted sustainable informatics, integrated system engineering, advanced satellite technologies, digital transformation, and interdisciplinary approaches for future space applications.

The conference continued on 18 June 2026 with Keynote Lecture 3, delivered by Dr. Hitesh Datt Mathur, Professor and Head (SIRE), BITS Pilani, on "Digital Intelligence for Sustainable Energy Systems: Convergence of AI, IoT and Smart Grids." The keynote emphasized the integration of Artificial Intelligence, Internet of Things, and Smart Grid technologies for intelligent energy management, renewable energy integration, predictive maintenance, and sustainable power systems, reinforcing the conference theme of technology-driven sustainable development.

The technical programme was conducted through 10 parallel technical sessions over the two days under the conference tracks of Mobile Computing and Sustainable Informatics. The sessions were chaired by distinguished academicians and industry experts from both external institutions and New Horizon College of Engineering. All presentations were conducted strictly in offline mode, encouraging active interaction between presenters, session chairs, reviewers, and participants.

A total of 108 research papers were successfully presented by researchers, academicians, industry professionals, and students representing institutions across the country. The technical sessions facilitated high-quality discussions on emerging technologies, innovative applications, sustainable computing solutions, artificial intelligence, communication systems, cybersecurity, Internet of Things, machine learning, data analytics, and smart technologies. Constructive feedback from session chairs contributed significantly to the quality of technical deliberations, while participant feedback was collected after every session for continuous improvement.

One of the major outcomes of ICEMCSI 2026 is that all accepted and presented papers will be submitted to the IEEE Xplore Digital Library, subject to satisfying IEEE Xplore's quality review and publication requirements. This provides international visibility to the research contributions presented during the conference and strengthens global dissemination of innovative scientific work.

Overall, ICEMCSI 2026 concluded successfully, achieving its objective of promoting interdisciplinary research, fostering academic-industry collaboration, and encouraging

innovative solutions to address contemporary challenges in Mobile Computing and Sustainable Informatics. The conference provided an excellent platform for networking, knowledge sharing, and collaborative research while reinforcing New Horizon College of Engineering's commitment to excellence in research, innovation, and global academic engagement. The successful organization of ICEMCSI 2026 stands as a significant milestone in the institution's Silver Jubilee celebrations and establishes a strong foundation for future international collaborations and research initiatives.

PHOTOGRAPHS OF THE EVENT









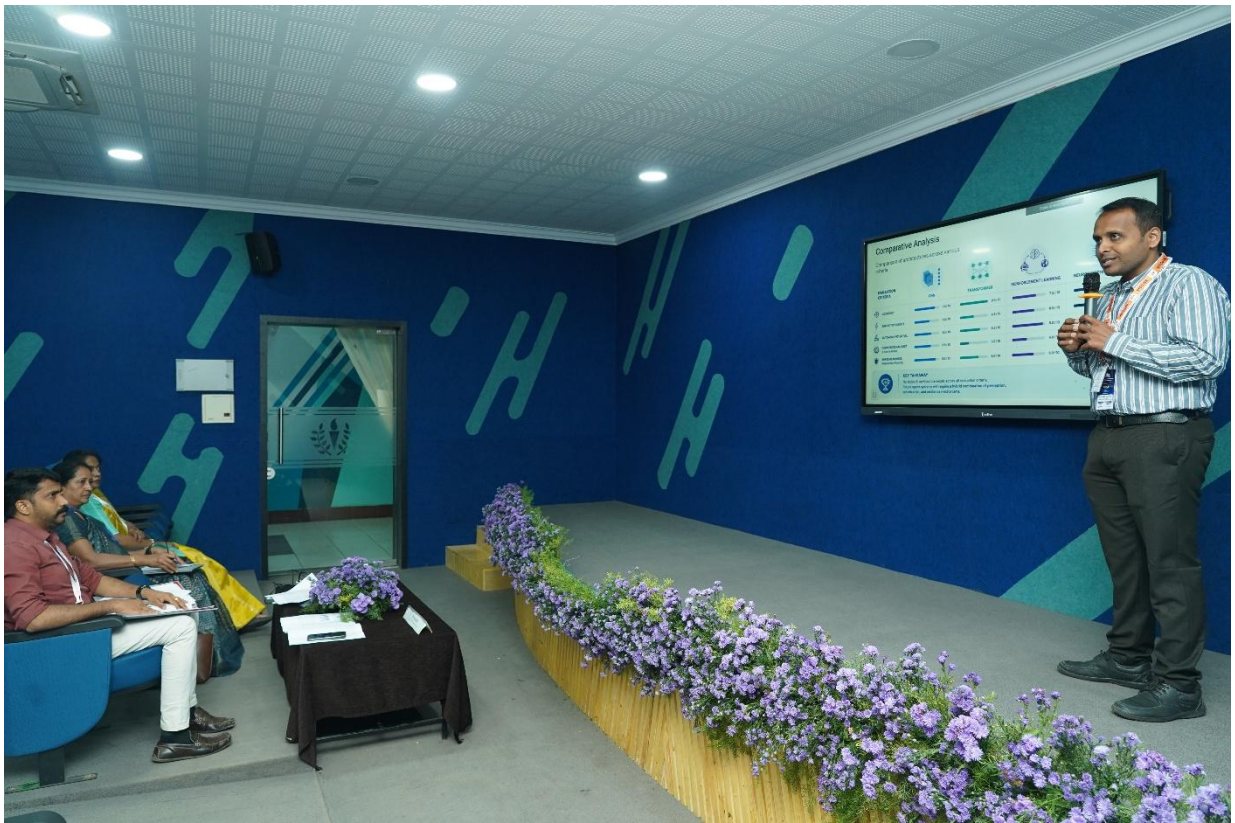












NEW HORIZON COLLEGE OF ENGINEERING
VISION
 To emerge as a center of excellence in the fields of engineering, technology and management to service the nation and the world by producing graduates with a high degree of technical, managerial and professional competence.

MISSION
 To strengthen the theoretical, practical and ethical education of the students through a culture of research and innovation, strong faculty involvement and culture of knowledge. To provide the students with the academic and industry based on requirements.

QUALITY POLICY
 To provide students the highest quality, best standards and excellent service to the nation and the world by producing graduates with a high degree of technical, managerial and professional competence.

VALUES

- Academic Freedom
- Integrity
- Honesty
- Professionalism
- Social Responsibility

Silver Jubilee Celebrations
 Department of Research and Development
International Conference
 Emerging Trends in Mobile Computing and Sustainable Informatics
ICEMCSI 2026 17th - 18th June 2026



Dr. Revathi V
Dean-R & D

Dr. Nitesh Datt Mathur
Chief Guest

Dr. Manjunatha
Principal

Dr. Anandhi R J
Dean Academics







NEW HORIZON COLLEGE OF ENGINEERING

Silver Jubilee Year Celebrations
 Department of Research and Development
 cordially invites you to the Inaugural Function of

ICEMCSI 2026

International Conference
 on
Emerging Trends in Mobile Computing and Sustainable Informatics

17th – 18th June 2026

Chief Guest
Avinash M
 Project Director, India-Mauritius Joint Satellite (IMJS), Microsat-2C (EOS-08)
 Project Director, Microsat 2AR1 & Microsat 2BR1
 Study Team, Microsat-2D (M2D) & Microsat Bus Production (MBP) Project
 U.R.Rao Satellite Centre, Bangalore

<p>Keynote Speaker Dr. Vijanth Sagayan Asirvadam Chair and Associate Professor, Department of Applied Science University Technology PETRONAS (UTP) Bandar Seri Iskandar, Perak Darul Ridzuan, Malaysia</p>	<p>Guest of Honour Dr. Chengappa Munjandira Chair 2027, IEEE Bangalore Section Vice Chair – Industry Relations, IEEE India Council Past-Chair, IEEE SIGHT Bangalore Section Technical Lead – IEEE MOVE Outreach India Program</p>
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In the presence of

Dr. Mohan Manghnani Chairman - NHEI	Mr. Dharmesh Manghnani President - NHEI	
Dr. Manjunatha Principal	Dr. Anandhi R J Dean - Academics	Dr. Revathi V Dean - R&D

17th June 2026 **10:00 AM**

NHCE Auditorium

 IEEE Conference Record Number: 07038
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All accepted and presented papers will be submitted for inclusion into IEEE Xplore, subject to meeting IEEE Xplore's scope and quality requirements.

 **IEEE BANGALORE SECTION**
 **IEEE SIGHT**
 IEEE IS Bangalore Chapter



Silver Jubilee Year Celebrations

Department of Research and Development
cordially invites you to the Valedictory Function of

ICEMCSI 2026

International Conference

on
Emerging Trends in Mobile Computing and Sustainable Informatics

17th – 18th June 2026

Chief Guest

Dr. Hitesh Datt Mathur

Head, School of Interdisciplinary
Research and Entrepreneurship (SIRE)
Birla Institute of Technology & Science, Pilani

In the presence of

Dr. Mohan Manghnani

Chairman - NHEI

Mr. Dharmesh Manghnani

President - NHEI

Dr. Manjunatha

Principal

Dr. Anandhi R J

Dean - Academics

Dr. Revathi V

Dean - R&D

18th June 2026 04:00 PM

Falconry Seminar Hall



All accepted and presented papers will be submitted for inclusion into IEEE Xplore, subject to meeting IEEE Xplore's scope and quality requirements.



Silver Jubilee Year Celebrations

SILVER SUMMIT

2026 International Conference on
Emerging Trends in Mobile Computing and
Sustainable Informatics (ICEMCSI)

17 | 18 June 2026

Best Paper Awards

Track 1 : Mobile Computing

Track 2 : Sustainable Informatics

First Place **Rs. 10,000 /-**
Second Place **Rs. 5,000 /-**

First Place **Rs. 10,000 /-**
Second Place **Rs. 5,000 /-**

Note : All accepted and presented papers will be submitted for the inclusion in IEEE XPLORE, subject to meeting IEEE Xplore's scope and quality requirements.



Department of Research and Development
SILVER SUMMIT

2026 International Conference on Emerging Trends in
Mobile Computing and Sustainable Informatics

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Date: June 17 – 18, 2026

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Session 1 Track Name: Mobile Computing

Date: 17.06.2026 Wednesday

Timing: 02.00 pm - 04.00 pm

Venue: Tejas Seminar Hall - Ground Floor, Sardar Vallabhbhai Patel Block

eCF Paper Id	Title of the Paper	Name of the Authors	Presentation Photographs
ICEMCSI2026-140	Automated Vehicle Accident Detection and Alert System Using GSM and GPS Technology	Nagesh Mahendra Ingle, Swapnil Bhika Billlore, Yogesh Kumar, Shashank Kumar Singh and Anirban J. Hati	
ICEMCSI2026-387	Model Predictive Control (MPC) Based Multi-Output DC to DC Converter for Electric Vehicle Applications	M P Mohandass, M Rahul, P Vanitha and R Mahendran	
ICEMCSI2026-422	Adaptive Document Rectification and Illumination Normalization via Hybrid Cascade Detection	Gagan P, Vishalakshi Prabhu H, Bhargav Koduru, Akarshjayanth M. Naik and Thabish Hussain	
ICEMCSI2026-434	Behavior-Aware Framework for Account and Deposit Recommendation Using LSTM-Based Sequence Modeling and Retrieval-Augmented Explanations	Srilakshmi V, Honey Diana P, Chinnavontari Abhinaya, Uday Kiran G, Lavanya B and Mounika M	

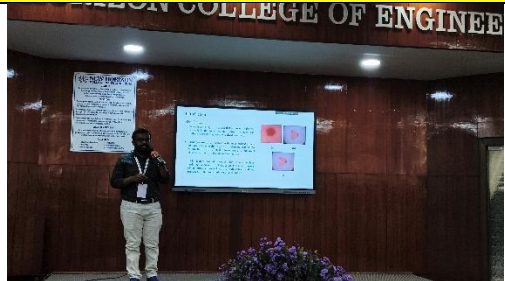


ICEMCSI2026-507	An Efficient Image Preprocessing Framework for Accurate Segmentation and Classification of Pneumonia from Lung Images	P.V.Naga Lakshmi and K.Vedavathi	
ICEMCSI2026-799	Hybrid XGBoost-LSTM Ensemble with Attention Mechanism for Remaining Useful Life Prediction of Turbofan Engines	Darshan Gowda S, Chirag Gowda S V, Afroz Pasha and Chethan C	
ICEMCSI2026-517	A Multilingual Content to Speech Implementation Translation using OCR, NLP, Organisations and Text-To-Speech Deep Learning Models	Gunalan R, Badri Narayanan R and Hemalatha R	
ICEMCSI2026-522	A Multimodal Context-Aware AI Conversational Agent for Emotion Recognition and Adaptive Stress Management	Sree Devi S, Santhiya G, Soundariya N, Lavanya R, Malleswari M and Manikandan S K	
ICEMCSI2026-531	MilletsGAI: An LLM for the Indian Millet Ecosystem	Aryan Nair, Khushi Thakur, Subham Dey and Nandyala D. Gangadhar	
ICEMCSI2026-541	Triagebot: A Resource-Efficient AI Model for Symptom-Driven Clinical Triage in Healthcare Systems	Ignatious Pious, Angeline Lydia, Abraham Wilkinson and Swetha Sree	
ICEMCSI2026-856	SeniorConnect: A Voice-Enabled Mobile Platform with Regional Language Support for Elderly Well-being and Government Scheme Advisory Across India	Sasikala N, Mala B A, Raghavendragoud J Patil, Raja Mohamad, Puneeth S P and Mohammed Amirul Aman	

Session 2 Track Name: Mobile Computing

Date : 17.06.2026 Wednesday

Timing: 02.00 pm - 04.00 pm

Venue : Falconry Seminar Hall - 1st Floor, Netaji Subhash Chandra Bose Block

eCF Paper Id	Title of the Paper	Name of the Authors	Presentation Photographs
ICEMCSI2026-555	MELO-NET: Melanoma Disease Classification using Deep Learning-based Feature Pyramid Network	Ashvanth louison A and Ben Sujitha B	
ICEMCSI2026-561	QoS-Aware Federated Deep Reinforcement Learning for 6G Cell-Free Network Slicing	Madhushree M, Nagamani K, Nishchitha M H, G Deenadayalan and Nagendra J	
ICEMCSI2026-573	Multi-Sensor Based Automatic Food Authenticity Detection System	Bhoomika Byali, Rashmi M Kittali, Ashok Sutagundar, Soujanya Badiger and Sudharani Sindagi	
ICEMCSI2026-857	MedIntel: An edge enabled multimodal radiology ai for priority driven clinical decision support	Priyadharshini P, Priya M, Adhilakshmi R, Karthihadevi M and Sasikala N	
ICEMCSI2026-575	Breast Cancer Classification Aided by Homomorphic Encryption	Kavitha T, Ishmita Menon, Shakthi Priya, Gauri Nair and Preeti M	

<p>ICEMCSI2026-578</p>	<p>SustainFlow: AI-Driven Behavioral Evolution for Sustainability</p>	<p>Harshil Bhandari, Anupam Rana, Rutvi Chauhan, Sahil Pandavadara, Hitarth Bhatt and Chintan Bhara</p>	 <p>Bengaluru, Karnataka, India Prestige Cassna, 25, Kaverappa Layout, Kadubeesanahalli, Bengaluru, Karnataka 560103, India Lat 12.934284° Long 77.691749° Wednesday, 17/06/2026 03:10 PM GMT +05:30</p>
<p>ICEMCSI2026-588</p>	<p>Emotion Recognition in Chatbot using Multimodal AI</p>	<p>Abdul Kulkarni, Neha Bharadwaj, Monish G Samitha Khaiyum, Raksha Kodnad R Seema Aparaj</p>	 <p>Bengaluru, Karnataka, India New Horizon College Of Engineering Subhash Chandra Bose Block, Block 13, Marathahalli - Sarjapur Outer Ring Rd, Kaverappa Layout, Kadubeesanahalli, Bengaluru, Karnataka 560103, India Lat 12.934061° Long 77.692014° Wednesday, 17/06/2026 03:26 PM GMT +05:30</p>
<p>ICEMCSI2026-589</p>	<p>High-Fidelity GNSS Integrity Monitoring for Tactical Aircraft: A Multi-Sensor Fusion Framework with ISAC-Augmented Terrestrial Anchors</p>	<p>Karanvir Singh, Sharandeep Kaur, Saurabh Suman, Prachi, Jaya Jagriti and Diksha Shrivastva</p>	 <p>Bengaluru, Karnataka, India New Horizon College Of Engineering Subhash Chandra Bose Block, Kaverappa Layout, Kadubeesanahalli, Bengaluru, Karnataka 560103, India Lat 12.934011° Long 77.692037° Wednesday, 17/06/2026 03:51 PM GMT +05:30</p>
<p>ICEMCSI2026-621</p>	<p>Evaluating Single-Task and Multi-Task Deep Learning Models for Binary Risk Classification of Diabetic Retinopathy and Macular Edema</p>	<p>Rishika Thapa and Jatinder Kaur</p>	 <p>Koneen Agrahar, Karnataka, India New Horizon College Of Engineering Library, BLOCK 13, Marathahalli - Sarjapur... Lat: 12.95° Long: 77.667° 17/06/2026 04:18PM GMT+0530</p>
<p>ICEMCSI2026-646</p>	<p>Mobile IoT Enabled Multistage Diabetic Foot Ulcer Assessment Using Detection, Segmentation, and Explainable Deep Learning</p>	<p>M Sirish Kumar, Pundukuri Kavitha, Shaik Zuber, Vangala Siva Mohan Yadav and Panchada Venkatesh</p>	 <p>Bengaluru, Karnataka, India New Horizon College Of Engineering Subhash Chandra Bose Block, Block 13, Marathahalli - Sarjapur Outer Ring Rd, Kaverappa Layout, Kadubeesanahalli, Bengaluru, Karnataka 560103, India Lat 12.934038° Long 77.692003° Wednesday, 17/06/2026 03:16 PM GMT +05:30</p>


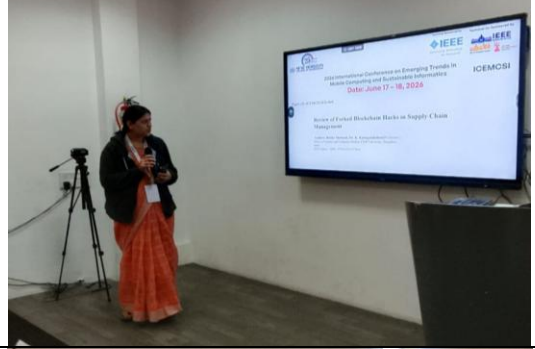


<p>ICEMCSI2026-673</p>	<p>DeepFlood: Streamlining Urban Flood Evaluation with Web-Based Deployment and Customizing Deep Learning Frameworks</p>	<p>Spoorthi D Joglekar, Yashaswini S, Jayanthi M G and Vasumathi A K</p>	
<p>ICEMCSI2026-839</p>	<p>A Comparative Study on DDoS Attacks in Disrupting Blockchain Networks</p>	<p>Ritika Shrimali and Kanagalakshmi K</p>	






Session 3 Track Name: Sustainable Informatics

Date : 17.06.2026 Wednesday

Timing: 02.00 pm - 04.00 pm

Venue : Library Conference Room - Ground Floor, Amar Jawan Block

eCF Paper Id	Title of the Paper	Name of the Authors	Presentation Photographs
ICEMCSI2026-689	Biomedical Signal Based Actuation in Low Cost Prosthetic Arms with Integrated IoT	Vinoth Kumar P, Karthikeyan S, Dharaneesh A, Gowtam Krishnan P and Aakash S	
ICEMCSI2026-840	Analysis of Forked Blockchain Hacks in Supply Chain Management	Ritika Shrimali and Kanagalakshmi K	
ICEMCSI2026-701	Enhancing B2B Supply Chain Transparency through Blockchain enabled Cryptographic Verification and Predictive Analytics	Sindhu N, Rashmi T V, Sujatha T, Anoushka Sudarshan, Harshitha D and Shreyas D H	
ICEMCSI2026-702	CyberSure: AI-Powered Cyber Risk Prediction and Blockchain-Based Insurance Platform	Gaurav Gowda B Y, Navaneeth M, Prajwal T, Vignesh S D and Shruti B V	

<p>ICEMCSI2026-705</p>	<p>Detection of Arrhythmia based on Electrocardiogram by applying Machine Learning</p>	<p>Vijayashree R Budyal, Thanuja M, Priya Arundhati and Swathi S</p>	
<p>ICEMCSI2026-706</p>	<p>Carbon on the Chain: Digital Solutions for a Greener Planet</p>	<p>Divya Devaraj Hegde</p>	
<p>ICEMCSI2026-708</p>	<p>An Encrypted Biometric Verification Platform with Homomorphic Processing and Webcam Face Analysis</p>	<p>Rashmi T V, Divyashree S R, Aniruddh B S, Pranav Kulal, Sudeepta P and Radhika P A</p>	
<p>ICEMCSI2026-712</p>	<p>Intelligent Intrusion Detection System with Secure Logging and AI Chatbot Integration</p>	<p>Srividhya S, Sindhu N, Chaya S, Dhananjay D M, Hemanth Bharadwaj N R and Pravesh E</p>	
<p>ICEMCSI2026-715</p>	<p>SpotNet-v2: A Hybrid Framework for Individual Leopard Identification using Deep Quadruplet Networks and SIFT Verification</p>	<p>Manjunath Kamath K, Divya N, Dharmendra D P, Daina K K, Benaka Santhosha S and Yathiraj G R</p>	

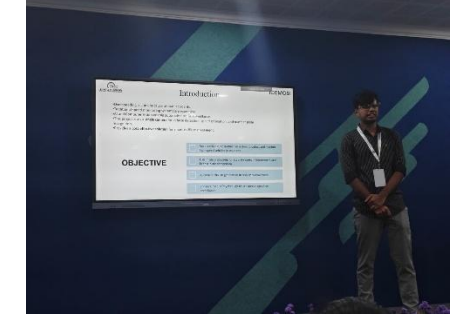


ICEMCSI2026-720	Interactive Web Analytics and AI Insights	Samarth Rao and Manjushree K	
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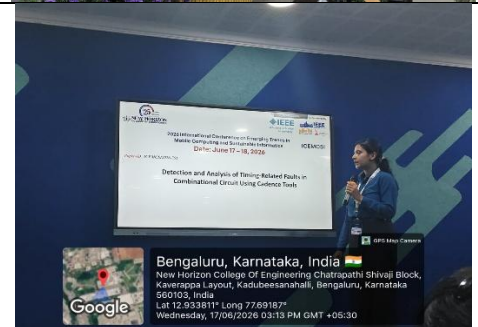
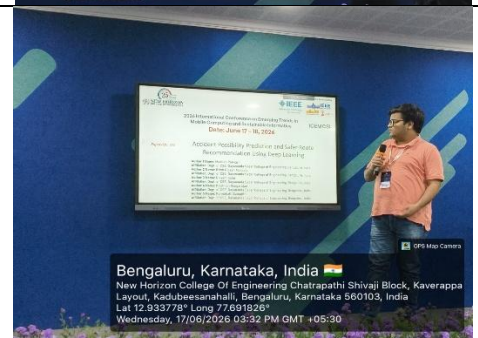

Session 4 Track Name: Sustainable Informatics


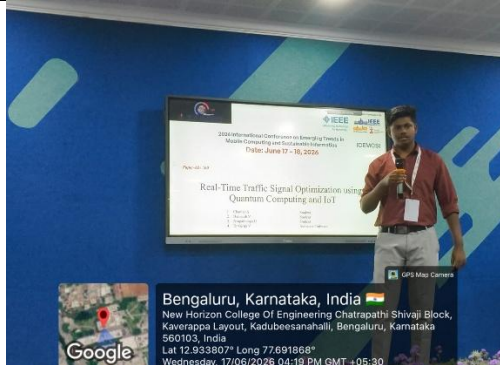
Date: 17.06.2026 Wednesday

Timing: 02.00 pm - 04.00 pm

Venue : Manthan Seminar Hall - 3rd Floor, Netaji Subhash Chandra Bose Block

eCF Paper Id	Title of the Paper	Name of the Authors	Presentation Photographs
ICEMCSI2026-742	Vehicle Speed Estimation and Number Plate Recognition using Image Processing Techniques	Maithili P, Kavitha R, Aparna M, Athish Clements T, Indhumathi A and Deepak J	
ICEMCSI2026-744	AI-Powered Vulnerability Management Using GitHub Actions for Secure Software Development	Srivatsa Nalluraya and Tamal Dey	
ICEMCSI2026-746	Real-Time Vision-Based Gesture Control of a Robotic Hand for Medical and Healthcare Applications	P Pradosh Kumar, Sheher Banu S, Rajeshwari R, M Thilagaraj, Subhradip Mukherjee and Anusree R	

<p>ICEMCSI2026-747</p>	<p>Smart Glasses with Voice Assistance and Sensors for the Visually Impaired</p>	<p>Jeeva V, Saranya Babu, Shree Raksha K A, Yukthi M and Snehalatha K T</p>	
<p>ICEMCSI2026-749</p>	<p>Machine Learning Based Evapotranspiration Estimation: A Systematic Review</p>	<p>Meenal R, Devprakash R, Sathyanarayanan S, Geluvaraj B, Balaji L and Santhosh Krishna B V</p>	
<p>ICEMCSI2026-751</p>	<p>Detection and Analysis of Timing-Related Faults in Combinational Circuit Using Cadence Tools</p>	<p>Varsha V, Vibha U, Nayana K and Varshini D</p>	
<p>ICEMCSI2026-756</p>	<p>Accident Possibility Prediction and Safer Route Recommendation Using Deep Learning</p>	<p>Divyam Saini, Madhab Patwari, Krishnan Rangarajan, Krish Dipesh Makadia and Kannakatti Sumanth</p>	
<p>ICEMCSI2026-758</p>	<p>Energy-Efficient and Adaptive Autonomous Driving for Electric Vehicles Using Machine Learning</p>	<p>Elavarasi S, G Kavya Rao and Dr Girija V</p>	

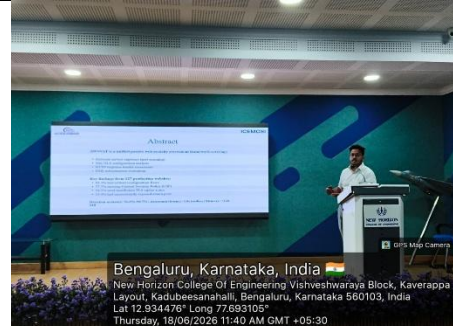

<p>ICEMCSI2026-759</p>	<p>Blockchain based Decentralized Authentication Modelling Scheme in Edge and IoT Environment</p>	<p>Gagan Shemdi , Ayush Pandey , Rohit Singh and Girija V</p>	
<p>ICEMCSI2026-760</p>	<p>Real-Time Traffic Signal Optimization using Quantum Computing and IoT</p>	<p>Chaman S, Nrupathunga U, Hemanth V and Girija V</p>	

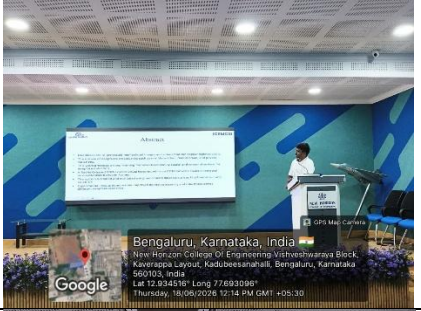


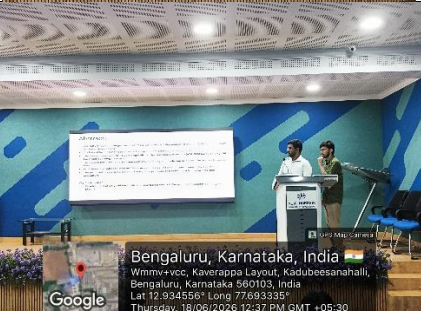
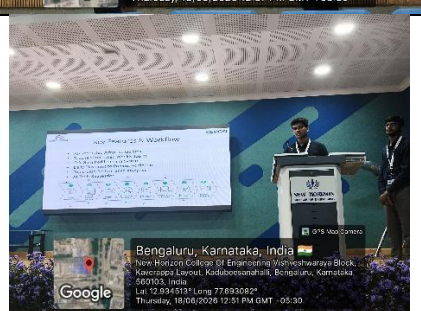
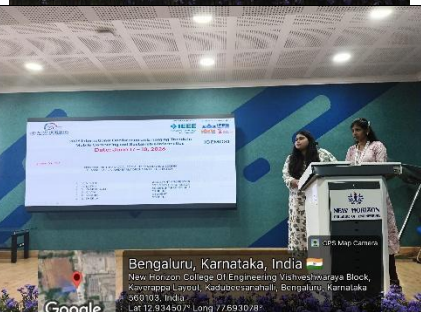
Session 5 Track Name: Mobile Computing





Date : 18.06.2026 Thursday

Timing: 11.00 am - 01.00 pm

Venue : Tejas Seminar Hall - Ground Floor, Sardar Vallabhbai Patel Block

eCF Paper Id	Title of the Paper	Name of the Authors	Presentation Photographs
<p>ICEMCSI2026-761</p>	<p>An Automated Web Security Configuration Assessment Framework for Proactive Vulnerability Detection and Remediation</p>	<p>Chitra K, Rahul Xavier, Lathesha A N, Prashanth S, Srinath Sachin Shintre and Santhosh Kumar R</p>	
<p>ICEMCSI2026-858</p>	<p>Crude Disruption: Wartime Supply Chain Collapse in the Strait of Hormuz and Its Cascading Human Consequences</p>	<p>Manjunatha Babu B, Sasikala N, P Priyadarshini, Pradeep PVN, R Sathesh Raaj and Lakshmi S Hanne</p>	

<p>ICEMCSI2026-762</p>	<p>Deepfake Detection Using Deep Learning</p>	<p>Chitra K, Rajath M, Khazi Parveez, Dattu Charan T, Lokesh M and Darshan J</p>	 <p>Bengaluru, Karnataka, India New Horizon College Of Engineering Vishveshwaraaya Block Kaverappa Layout, Kadubeesanahalli, Bengaluru, Karnataka 560103, India Lat 12.934516° Long 77.693096° Thursday, 18/06/2026 12:14 PM GMT +05:30</p>
<p>ICEMCSI2026-763</p>	<p>Deep Learning Based Violence Detection in Surveillance Images and Videos</p>	<p>Chitra K, Manjula Sanjay Koti, Bharath Kumara J, Pratham M Chowta, Sagar Vasishtha H S and Poojitha N</p>	 <p>Bengaluru, Karnataka, India New Horizon College Of Engineering Vishveshwaraaya Block Kaverappa Layout, Kadubeesanahalli, Bengaluru, Karnataka 560103, India Lat 12.934516° Long 77.693096° Thursday, 18/06/2026 12:23 PM GMT +05:30</p>
<p>ICEMCSI2026-768</p>	<p>Hallucination Detection and Reduction in Large Language Models: A Practical Study</p>	<p>Kunal Rajput, Alamma B H, Smitha G V, Hamsa K M, Madan Kumar Y M and Mandar Kanbargi</p>	 <p>Bengaluru, Karnataka, India New Horizon College Of Engineering Vishveshwaraaya Block Kaverappa Layout, Kadubeesanahalli, Bengaluru, Karnataka 560103, India Lat 12.934516° Long 77.693096° Thursday, 18/06/2026 07:46 PM GMT +05:30</p>
<p>ICEMCSI2026-776</p>	<p>A hybrid ensemble learning based AI powered agricultural decision support system for crop recommendation and yield prediction</p>	<p>Madhusudhan M V, Sumanth K P, Sudheeksha G R and Dattanand Huple</p>	 <p>Bengaluru, Karnataka, India Wmmvce, Kaverappa Layout, Kadubeesanahalli, Bengaluru, Karnataka 560103, India Lat 12.934556° Long 77.693335° Thursday, 18/06/2026 12:37 PM GMT +05:30</p>
<p>ICEMCSI2026-777</p>	<p>Gamified AI Driven Environmental Education for Primary Schools</p>	<p>Madhusudhan M V, Harish S, Bharathwaj V, Kavya R and Sanjeev Prakashrao Kaulgud</p>	 <p>Bengaluru, Karnataka, India New Horizon College Of Engineering Vishveshwaraaya Block Kaverappa Layout, Kadubeesanahalli, Bengaluru, Karnataka 560103, India Lat 12.934516° Long 77.693096° Thursday, 18/06/2026 12:51 PM GMT +05:30</p>
<p>ICEMCSI2026-781</p>	<p>Efficient Net-B0 Model for Automated Oral Lesion Classification and Early Oral Cancer Detection</p>	<p>K. Vinoth, R Latha, V Prakasham, P Kavya, R Sachin and S Sheela</p>	 <p>Bengaluru, Karnataka, India New Horizon College Of Engineering Vishveshwaraaya Block Kaverappa Layout, Kadubeesanahalli, Bengaluru, Karnataka 560103, India Lat 12.934516° Long 77.693096° Thursday, 18/06/2026 01:03 PM GMT +05:30</p>





<p>ICEMCSI2026-782</p>	<p>Feature importance analysis for solar forecasting using explainable AI</p>	<p>Gautam Kumar, Gurbachan Singh, Sachin Kumar, Pritam Agarwalla, Harsh Saini</p>	
<p>ICEMCSI2026-784</p>	<p>State of charge estimation in Li-ion batteries using data-driven techniques for EVs</p>	<p>Bhanu H S, Tejaswini S, Neha K Kumar and Neha Ramesh</p>	
<p>ICEMCSI2026-786</p>	<p>SARAL YATRA - A Smart Public Transport Monitoring System</p>	<p>Sanjeev Prakashrao Kaulgud, Aakash Navin, Bhargava Simha R, Dhanush M Rao and G Jaswanth</p>	
<p>ICEMCSI2026-860</p>	<p>Design and Analysis of a Multi-Source Single-Output DC-DC Converter for Electric Vehicle Chargers</p>	<p>D Rahul, S Vinoth John Prakash, T Ilakkia, M Dinesh, P Saravanakumar and P Baburao</p>	






Session 6 Track Name: Mobile Computing



Date : 18.06.2026 Thursday

Timing: 11.00 am - 01.00 pm

Venue : Falconry Seminar Hall - 1st Floor, Netaji Subhash Chandra Bose Block

eCF Paper Id	Title of the Paper	Name of the Authors	Presentation Photographs
ICEMCSI2026-788	A Hybrid Multi-Source Retrieval Framework for Code Similarity Analysis Using Transformer Embeddings and Pedagogical Quality Assessment	Geetha S, Nandini G, Abhinav Singh, Dumpa Revanth Venkata Sai and Hanoch Yedidya Karkada	
ICEMCSI2026-790	Dual-Space Binary Hyperdimensional Computing for Resource-Constrained Image Classification	Waleed Wann, Ved Prakash Singh, Vimala Devi J, V Sonia Devi and Usha K C	
ICEMCSI2026-791	Real time plant disease detection and prevention using AI and IoT in smart agriculture	Abhinav Garlapati, V Lavanya, Pavan Kumar Challapalli, Shiva Shankar Reddy Tara and Surya Dileep Pakalapati	
ICEMCSI2026-792	Graph Neural Network Approaches for Fault Prediction in Solar Bi-Hybrid Electric Vehicles: A Systematic Review	Kavitha Chenna Reddy, Geetanjali Udgirkar, Vericherla N Malleswari and Jerripothu Anand	

<p>ICEMCSI2026-793</p>	<p>A Hybrid QWOA Optimized PAFPN-SE Framework for Multiclass Structural Defect Segmentation</p>	<p>Rashmi Kittali and Ashok Sutagundar</p>	
<p>ICEMCSI2026-794</p>	<p>A survey of deep learning methods for leukemia detection and classification</p>	<p>Kajal Gurnani and Kalaivani D</p>	
<p>ICEMCSI2026-795</p>	<p>A Multi-Modal Approach for Prediction of Lung Diseases using Xception Model</p>	<p>Kanagalakshmi K, Ganesh Kumar P, Shiva Shankar S, Sumathi E, Prannesh N K and Priyadharshini S</p>	
<p>ICEMCSI2026-796</p>	<p>Identification of AI generated Text using Perplexity and Burstiness</p>	<p>Praveen Gujjar J, Sharath K R, Guru Prasad M S, Raghavendra M Devadas, Sanjeev Prakashrao Kaulgud and Sowmya T</p>	
<p>ICEMCSI2026-797</p>	<p>Real Time Object Detection using R-CNN and Faster R-CNN</p>	<p>Praveen Gujjar J, Ankur Choudhary, Guru Prasad M S, Raghavendra M Devadas, Sanjeev Prakashrao Kaulgud and Sowmya T</p>	




<p>ICEMCSI2026-798</p>	<p>Sentiment ranking for Unicode emojis using Emosent-PY</p>	<p>Praveen Gujjar J, Mohd. Rehan Ghazi, Guru Prasad M S, Raghavendra M Devadas, Sanjeev Prakashrao Kaulgud and Sowmya T</p>	
<p>ICEMCSI2026-861</p>	<p>Optimal Renewable DG Placement for Loss Reduction and Sustainable Distribution System Development</p>	<p>Sivakumar P C, Manikandan P, Thangaraj D, Kesavan D, Manikandan Ravibabu and Sivaraj P</p>	

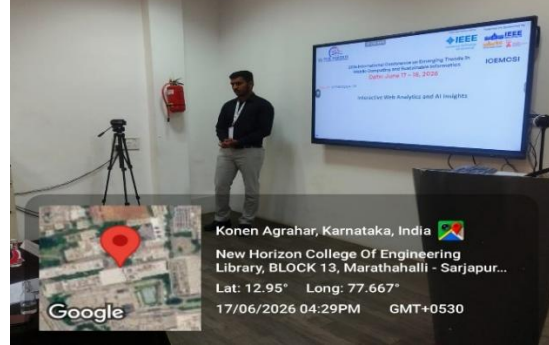



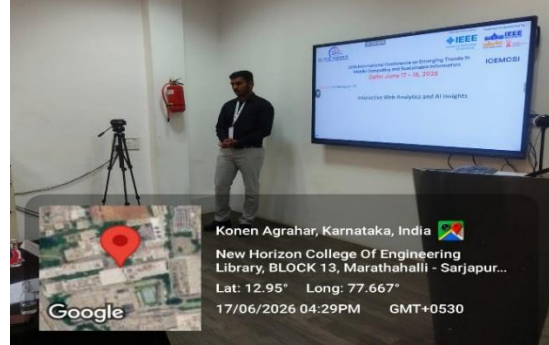

Session 7 Track Name: Sustainable Informatics



Date : 18.06.2026 Thursday

Timing: 11.00 am - 01.00 pm

Venue : Library Conference Room - Ground Floor, Amar Jawan Block

eCF Paper Id	Title of the Paper	Name of the Authors	Presentation Photographs
<p>ICEMCSI2026-800</p>	<p>CuraCore an agentic AI driven student centric mental health support platform</p>	<p>Archana K, Vankari Rakesh, Kavya Shree and Afroz Pasha</p>	
<p>ICEMCSI2026-802</p>	<p>Deep Learning Based Hybrid MobileNetV2–SVM Architecture for Pomegranate Disease Detection</p>	<p>Abhinandan Shirahatti, Shankamma Yadawad, Ambaji Jadhav, Abhishek Kamble, Lingaraj Hadimani and Kuldeep Sambrekar</p>	
<p>ICEMCSI2026-803</p>	<p>Smart Banking Kiosk for Automated Cash Transactions and E-Challan Processing</p>	<p>Manivannan R, Natchiammai PL, Sivasankari S, Balamurugan Rajangam, Suriya Kasinathan and Manjunathan Alagarsamy</p>	

<p>ICEMCSI2026-804</p>	<p>Energy Forecasting for IoT Smart Homes using Hybrid Feature Selection Methods and ElasticNet model</p>	<p>Lathies Bhasker T, Ben Sujitha and S Joshua</p>	 <p>Koneh Agrahar, Karnataka, India New Horizon College Of Engineering Library, BLOCK 13, Marathahalli - Sarjapur... Lat: 12.95° Long: 77.667° 17/06/2026 04:29PM GMT+0530</p>
<p>ICEMCSI2026-805</p>	<p>An AI-Enabled Smart Traffic Management System Using Computer Vision for Urban Congestion Control</p>	<p>Dhanush G, Benitha Christinal J, Sravanthi G, Sagarika B and Divya Darshini V</p>	 <p>Bengaluru, Karnataka, India New Horizon College Of Engineering Library, Block 13, Marathahalli - Sarjapur Outer Ring Rd, Near Marathalli, Kaverappa Layout, Kadubeesanahalli, Bengaluru, Karnataka 560103, India Lat: 12.933697° Long: 77.692658° Thursday, 18/06/2026 11:49 AM GMT +05:30</p>
<p>ICEMCSI2026-806</p>	<p>Advancements in Infant Cry Recognition: A Deep Learning Approach for Improved Classification and Analysis</p>	<p>Athira Kurup and Ben Sujitha</p>	
<p>ICEMCSI2026-807</p>	<p>AI-Based Energy Management System for Microgrids with Renewable Energy Integration</p>	<p>Mesack J Jekar, Siranada Ganesh T and R Mohamed Idhris</p>	 <p>Bengaluru, Karnataka, India New Horizon College Of Engineering Library, Block 13, Marathahalli - Sarjapur Outer Ring Rd, Near Marathalli, Kaverappa Layout, Kadubeesanahalli, Bengaluru, Karnataka 560103, India Lat: 12.933656° Long: 77.692658° Thursday, 18/06/2026 12:24 PM GMT +05:30</p>
<p>ICEMCSI2026-808</p>	<p>Big data analytics for intelligent film marketing using social media trend prediction and sentiment based audience profiling</p>	<p>Balaji V S, Malarvizhi C, Sahunthala Sanmugam, Balamurugan Rajangam, Manivannan R and Manjunathan Alagarsamy</p>	 <p>Koneh Agrahar, Karnataka, India New Horizon College Of Engineering Library, BLOCK 13, Marathahalli - Sarjapur... Lat: 12.95° Long: 77.667° 17/06/2026 04:29PM GMT+0530</p>
<p>ICEMCSI2026-809</p>	<p>Machine Learning Approaches for Residential Electricity Prediction: A Multimetric Comparative Study</p>	<p>Shwetha N, Gerard Deepak, Shashank S, Poornima M R, Praveenkumar Mandoli and Shivakumara M</p>	 <p>Bengaluru, Karnataka, India New Horizon College Of Engineering Library, Block 13, Marathahalli - Sarjapur Outer Ring Rd, Near Marathalli, Kaverappa Layout, Kadubeesanahalli, Bengaluru, Karnataka 560103, India Lat: 12.933558° Long: 77.692552° Thursday, 18/06/2026 12:26 PM GMT +05:30</p>

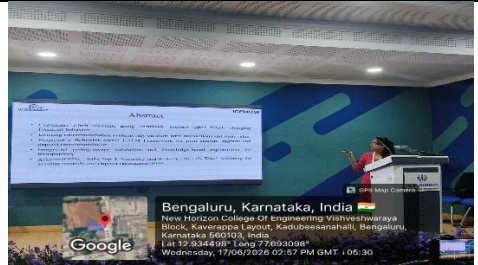


ICEMCSI2026-862	Hybrid CNN-BiLSTM Deep Learning Algorithm based Power Consumption Prediction for Accuracy	Parathraju P, Ram Kumar C, Alaudeen A, Sundar R, Silambarasan V and Amosedinakaran S	
ICEMCSI2026-864	A novel multimodal technique based medical image fusion framework using coupled neural P systems	Vanitha K	

Session 8 Track Name: Sustainable Informatics


Date : 18.06.2026 Thursday

Timing: 11.00 am - 01.00 pm

Venue : Manthan Seminar Hall - 3rd Floor, Netaji Subhash Chandra Bose Block

eCF Paper Id	Title of the Paper	Name of the Authors	Presentation Photographs
ICEMCSI2026-810	Design and Implementation of a Self Triggered IoT based Accident Alert System	Balaji V S, Natchiammai PL, Sudha Kannan, Jeevitha Sakkarai, Manjunathan Alagarsamy and Raja Manikandan	
ICEMCSI2026-811	A novel topology conscious discrete particle swarm optimization method for multi objective routing	Ben Sujitha B, Mary Synthia Regis Prabha D M, Gnan Devadhas G, Anchana B S, Jeyaranjani J and Nesa Rani	
ICEMCSI2026-812	Secure and Efficient Ration Management System Using VLSI Technology	Raja Manikandan, Subbulekshmi S, Gnana Kousalya Chellathevar, Rajesh Khanna M, Manjunathan Alagarsamy and Balamurugan Rajangam	

<p>ICEMCSI2026-813</p>	<p>A deployment oriented real time multimodal emotion recognition system using vision transformer and RoBERTa Based Models</p>	<p>Shashank S, Shwetha B N, Poornima M R, Kopparapu Medini, K V Dedeepya and D H Nanditha</p>	 <p>Konen Agrahar, Karnataka, India New Horizon College Of Engineering Chatrapathi Shivaji Block, South, Varthur, ... Lat: 12.95° Long: 77.667° 18/06/2026 11:43AM GMT+0530</p>
<p>ICEMCSI2026-814</p>	<p>Comprehensive comparative study on sign language translation systems</p>	<p>Shijina B and Ben Sujitha B</p>	
<p>ICEMCSI2026-818</p>	<p>Capturing Nonmanual Features of Indian Sign Language and Converting It into Text and Audio</p>	<p>Ravi MV, Naveen Chandra Gowda, Sai Rohith S, Neelakanta Reddy P, Maneesh Reddy I P and Rahul Reddy</p>	 <p>Bengaluru, Karnataka, India New Horizon College Of Engineering Vishveshwaraya Block, Kaverappa Layout, Kadubeesanahalli, Bengaluru, Karnataka 560103, India Lat 12.934467° Long 77.693101° Thursday, 18/06/2026 01:36 PM GMT +05:30</p>
<p>ICEMCSI2026-820</p>	<p>Neuro Scope: An AI Driven Framework for Early Stage Brain Tumor Detection and Staging Using Deep Learning</p>	<p>Naveen Chandra Gowda, Neelam Malyadri, Samsani Monish, Sandeep Reddy K, Shrisha Shriharsha and Rahul Choudary</p>	 <p>Bengaluru, Karnataka, India New Horizon College Of Engineering Vishveshwaraya Block, Kaverappa Layout, Kadubeesanahalli, Bengaluru, Karnataka 560103, India Lat 12.934467° Long 77.693089° Wednesday, 17/06/2026 03:41 PM GMT +05:30</p>
<p>ICEMCSI2026-821</p>	<p>Verification Framework for Posit Arithmetic in High-Accuracy Applications</p>	<p>Veena Mahantesh Hunagund</p>	
<p>ICEMCSI2026-824</p>	<p>Artificial Intelligence in Space Systems: A Critical Analysis of Architectures, Autonomy, Resilience, and Energy Aware Optimization</p>	<p>Abhinandan Shirahatti, Abhishek kamble, Om Nagalkar, Om Chaudhari, Lingaraj Hadimani and Karishma Jaunjalkar</p>	 <p>Konen Agrahar, Karnataka, India New Horizon College Of Engineering Chatrapathi Shivaji Block, South, Varthur, ... Lat: 12.95° Long: 77.667° 18/06/2026 12:38PM GMT+0530</p>




ICEMCSI2026-825	Data Driven Heart Disease Prediction using Machine Learning Models for Sustainable Health Care	Kanagalakshmi K, Akshaykumar Muragundi, Dhanush V and Harsha H	
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Session 9 Track Name: Mobile Computing

Date : 18.06.2026 Thursday

Timing: 02.00 pm - 04.00 pm

Venue : Tejas Seminar Hall - Ground Floor, Sardar Vallabhbhai Patel Block

eCF Paper Id	Title of the Paper	Name of the Authors	Presentation Photographs
ICEMCSI2026-826	A Predictive Framework for Android Device Failure using Real Time User Observations and ML Techniques	Kanagalakshmi K, Kavana N, Aman Kumar and Mohsin Ahemed	
ICEMCSI2026-827	LLM based Cognitive AIOps Autonomous Cloud Incident Management	Kavitha K S, Nagraj M Lutimath, Akash Singh, Ayush Gupta, Adi Hema Ajay Charan and Ananya Gupta	
ICEMCSI2026-828	Automated Student Attendance Monitoring and Analytics Systems	Vishal Gowda H, Rakshitha D P, Sai Siri Naidu O, Sreelatha PK and Jayanthi Kamalashkeharan	
ICEMCSI2026-829	Supply Chain and Retail Demand Optimization Using Gen AI	Shreyas KC and Harish Naik	
ICEMCSI2026-835	Analysis of Personalized Learning, Academic Navigation and Information Collector in PlanIC	Sweet Subhashree, Akshaj Gupta, Aditya P V, B Khyathi Sumasri and Deepika M	

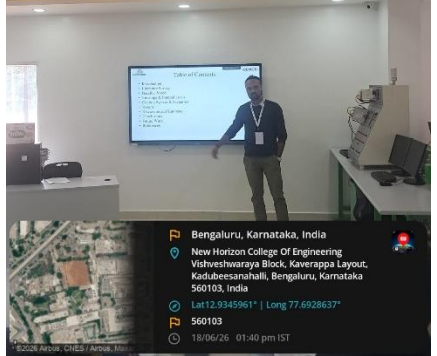


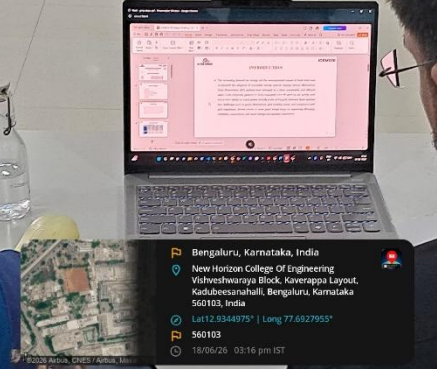
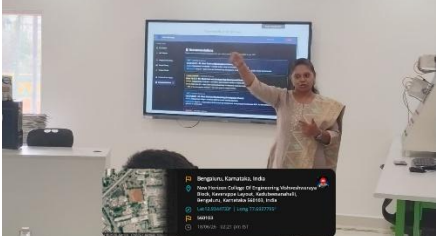
<p>ICEMCSI2026-836</p>	<p>Transformer Based Multi Task Learning for MRI Based Detection and Severity Prediction of Mental Illness</p>	<p>Vinay Kumar M and Naveen Chandra Gowda</p>	
<p>ICEMCSI2026-838</p>	<p>Hybrid Blockchain and AI based Continuous Authentication Framework for Secure Internet of Vehicles</p>	<p>Mandara C M and Naveen Chandra Gowda</p>	
<p>ICEMCSI2026-842</p>	<p>AURAGNet: Action Unit Region Attention Graph Network for Facial Expression Recognition</p>	<p>Manoj V, Selvan C and Narendra Babu C R</p>	
<p>ICEMCSI2026-854</p>	<p>LandReg: A Multi Signature NFT based Blockchain Land Registry and Ownership Verification System</p>	<p>Anusha Avula and Naresh Sammeta</p>	
<p>ICEMCSI2026-855</p>	<p>Real Time Underground Vibration Detection for Border Infiltration Prevention Leveraging AI and Wireless Edge Sensor Networks</p>	<p>Sasikala N, Shilpa Sudheendran, Sai Prasad Handigund, Sangamesh, Shashank Shivanand Teli and Shrinivasagoud J Patil</p>	
<p>ICEMCSI2026-863</p>	<p>An Integrated Two-Stage Model Using LSTM Load Forecasting and Crisscross Optimization for Hydrothermal Scheduling</p>	<p>Kanagavalli S, Prabu R, Karuppanasamy C, Selvakumari M, Sundar R and Baburao Pasupulati</p>	


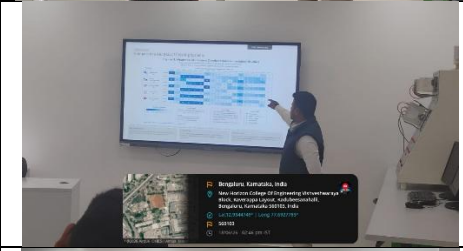
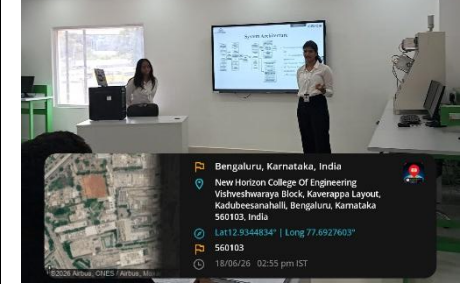


Session 10 Track Name: Sustainable Informatics

Date : 18.06.2026 Thursday

Timing: 02.00 pm - 04.00 pm

Venue : Falconry Seminar Hall - 1st Floor, Netaji Subhash Chandra Bose Block

eCF Paper Id	Title of the Paper	Name of the Authors	Presentation Photographs
ICEMCSI2026-734	Building-Integrated Thermal Mass as Support Infrastructure for Sustainable Data Centre Cooling	Ananth Pai, Rakesh C, Rameswari C and Manjunatha B	
ICEMCSI2026-844	Passive cursor entropy attack behavioural side channel exploitation in modern web browsers	Darshan T, Neelam Malyadri and Narendra Babu C R	
ICEMCSI2026-845	Sustainable Solar Energy Harvesting Using Optimized Converter and Intelligent MPPT	Dinesh M, Uthirasamy R, Mohan Raj T, Manimaran G, Manivel S and Manikandan K	
ICEMCSI2026-846	Automated Dust Detection in Solar Panel Using Deep Learning Architecture	Vinothina V, Alaudeen A, Yamuna K.S, Velmurugan P, PremKumar R and Sivakumar S	
ICEMCSI2026-847	An Unified Behavioural Intelligence System for Academic Spaces	Parkavi A, Uzma Sulthana, Aishwarya P J, Deeksha S Havaragi, Deepthi G Nidoni and K C Chithrashree	

<p>ICEMCSI2026-848</p>	<p>SustainDiet Pro: An Intelligent Dietary Assistant for Athletes Using Mobile Computing</p>	<p>Hanumanthappa H, Sameer G, Harsh Kumar and Sajid Raza</p>	
<p>ICEMCSI2026-849</p>	<p>Inclusive Multilingual Conversational AI for Rural Education: A Survey of Offline, Accessible and Explainable Systems</p>	<p>Budagajangam Mahesh and Kanagalakshmi K</p>	
<p>ICEMCSI2026-850</p>	<p>A 5G enabled wireless sensor network simulation framework for real time traffic monitoring and machine learning based traffic prediction</p>	<p>Shilpa V, Besta Sudha Ragavarshini, C Pragnya and Hema Naganjali Perugu</p>	
<p>ICEMCSI2026-851</p>	<p>Forest Fire Detection and Prevention using Wireless Sensor Networks</p>	<p>Poola Lakshmi Leesha, Khazi Afifa Fathima, N Nishitha Reddy and Shilpa V</p>	
<p>ICEMCSI2026-853</p>	<p>Hybrid Measurement-Device-Independent Twin-Field Quantum Key Distribution (MDI-TF-QKD): A Comprehensive Study on Security, Performance and Practical Implementations</p>	<p>Jibin Jacob Mani, Vinotina V, Libin Thomas, Sona K V and Jeswin Jerrad</p>	



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