



## IC-SMART (2026)- Conference Schedule

Day-1

Friday, 27<sup>th</sup> March 2026

Time	Events							
8:45 to 9:45	Registration							
9:45 to 11:00	Inaugural Function							
<b>11:00 to 11:10</b>	<b>Tea Break</b>							
11:10 to 11:30	<b>Dr. Anil Kumar (Head &amp; Scientist 'G' IIRS/ISRO, DEHRADUN) - Plenary Speaker</b>							
11:30 to 11:50	<b>Prof. Laurent Chebassier - Plenary Speaker</b>							
11:50 to 12:10	<b>Prof. Matthew M. Shin - Plenary Speaker</b>							
12:10 to 12:50	Panel Discussion							
12:50 to 13:10	<b>Dr. Lung-Jieh Yang -- Plenary Speaker</b>							
13:10 to 13:30	<b>Prof. Dr. Thomas Himmelsbach -- Plenary Speaker</b>							
13:30 to 14:30	Lunch							
14:30 to 14:50	<b>Prof. MAUDLE BARS -- Plenary Speaker</b>							
	Session-1	Session-2	Session-3	Session-4	Session-5	Session-6	Session-7	Session-8
14:50 to 15:10	<b>Keynote Speaker</b>	<b>Keynote Speaker</b>	<b>Keynote Speaker</b>	<b>Keynote Speaker</b>	<b>Keynote Speaker</b>	<b>Keynote Speaker</b>	<b>Keynote Speaker</b>	<b>Keynote Speaker</b>
15:10 to 17:00	<b>OFFLINE</b> Session Chair: _____ <b>Civil Engineering, Materials &amp; Mechanical Systems</b> 1. Efficacy of Geopolymer Concrete in Flexural Members Reinforced with Steel Fibres 2. Micro-Concrete for Sustainable Infrastructure Repair: Technological Progress, Applications,	<b>OFFLINE</b> Session Chair: _____ <b>Sustainable Energy Systems &amp; Power Electronics</b> 1. Hybrid Solar PV-Powered EV Charging Station with Energy Storage System 2. Design and Implementation of a Solar-Powered Three Phase	<b>OFFLINE</b> Session Chair: _____ <b>AI in Healthcare, Biomedical &amp; Clinical Applications</b> 1. Adaptive Meta-Learning Framework for Robust and Cross-Domain Skin Lesion Classification 2. Deep Learning-Based Automated Nail Disorder Classification	<b>ONLINE</b> Session Chair: _____ <b>AI in Healthcare, Mental Health &amp; Biomedical</b> 1. An Intelligent System for Early Heart Failure Risk Prediction 2. State of the Art Multimodal Fusion Techniques for Mental Health Detection	<b>ONLINE</b> Session Chair: _____ <b>Cybersecurity, Fraud Detection &amp; Blockchain</b> 1. Visualizing IoT Network Flows: Image-Based Deep Learning vs. Statistical Models for Intrusion Detection 2. Why High Accuracy Is Not Enough: Cross-Dataset Evaluation and Adaptive	<b>ONLINE</b> Session Chair: _____ <b>NLP, Language Technologies &amp; Multimodal AI</b> 1. A Comparative Analysis of Unimodal and Multimodal Transformers for Hindi Speech Emotion Recognition 2. Multimodal Speech Fluency and Quality	<b>ONLINE</b> Session Chair: _____ <b>AI for Agriculture, Environment &amp; Smart Systems</b> 1. Engineering Informatics-driven Framework for IoT-AI Integration in Dry Chilli Value Chain: A Hybrid Approach for Real-time Quality Grading and Predictive Market Modeling	<b>ONLINE</b> Session Chair: _____ <b>IoT, Assistive Technology &amp; Autonomous Systems</b> 1. A Low-Cost, Energy-Efficient Gesture Recognition System Using EMG Signals, ESP32, and TinyML for Wearable Interfaces 2. AI-Driven Sign Language Interpretation



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Hybrid Mode

Technical Co-Sponsored: 

March 27-28, 2026

Organized by: **Rajarambapu Institute of Technology**  
An Empowered Autonomous Institute  
Affiliated to RVKMV University, Solapur

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Scopus Indexed Publication



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Conference Venue: Rajarambapu Institute of Technology, Rajaramnagar

	<p>Research Advances and Challenges - A Review</p> <p>3. Analysis of Heat Transfer Rate of Refrigeration Discharge Coil</p> <p>4. Finite Element Analysis and Computation of Rayleigh's Damping Coefficients of FRC Machining Fixture</p> <p>5. Influence of SLM Process Parameters on Density and Hardness of Ti-6Al-4V Using Experimental and Statistical Approaches</p> <p>6. Review on Magnetorheological Fluids and their Automotive Applications</p> <p>7. A Review of Nanosilica Impact on Concrete's Characteristics</p> <p>8. Development of AI Based Soil Testing Machine for Agriculture Purpose</p>	<p>Multi Level Inverter</p> <p>3. SoC Estimation Using an Extended Kalman Filter Integrated with an Enhanced Path Finder Optimization Algorithm</p> <p>4. Discrete-Time Analysis of Nonlinear Dynamics in Buck Converters Feeding CPL Bifurcation</p> <p>5. Design of Miniaturized Metamaterial Antenna using Slot Loaded Circular Patch with CSRR for WLAN</p> <p>6. A Comparative Review of Reduced Switch Multilevel Inverter for Grid Connected PV Systems</p> <p>7. Amorphous Silicon p-i-n Cells Above 6% Efficiency Without Diborane: Materials, Doping Alternatives, and Device Design</p>	<p>3. Brain Tumor Detection Using a Hybrid Deep Learning Architecture</p> <p>4. From Algorithms to Clinic: Analytical Insights into Machine Learning and Deep Learning Frameworks for Breast Cancer Detection</p> <p>5. A Classification Framework for Large Language Models (LLM)-Generated Counseling Responses</p> <p>6. Review on Functionally Graded Polymer Reinforced Composite Material Exposed to High Temperature</p> <p>7. A Machine Learning-Enabled Decision-Support System for Equipment Loss Risk Assessment and Mitigation in High-Intensity Conflict Zones</p>	<p>3. Enhancing Text-Based Mental Health Monitoring: Leveraging Relevant Emotional Features and Cultural Adaptation in Sentiment Analysis with Machine Learning</p> <p>4. An Iterative and Metric-Driven Review of Lung Cancer Detection Models: Architectural Evolution, Numerical Benchmarking, and Clinical Readiness Across Multi-Modal Imaging Scenarios</p> <p>5. Advancing Urologic Robotic Oncologic Surgery Through Artificial Intelligence</p> <p>6. EmotiTrack: Automated Emotion Mapping and Mental Health Trend Detection</p> <p>7. Deep Learning for Developing Assistive Technologies, such as Prosthetic Limbs and Exoskeletons</p> <p>8. Harnessing Diversity: Ensemble Model Integration for Robust Alzheimer's Detection</p>	<p>Reconfiguration for Robust Machine Learning-Based Intrusion Detection Systems</p> <p>3. A Survey on Automation of Criminal Record Management and FIR Filing using AI, Blockchain and Chatbots</p> <p>4. Detecting Textured Contact Lens Spoofing Attacks for Biometric Authentication</p> <p>5. Deepfake Video, Audio and Image Detection</p> <p>6. Viyom - A Transparent Blockchain-based Donation &amp; Fund Allocation Platform Intelligence</p> <p>7. Stability-Driven Feature Selection for Credit Card Fraud Detection under Temporal Distribution Shift</p>	<p>Analysis Using Audio-Text Learning</p> <p>3. A Comprehensive Overview of Transformer-based Neural Architectures: Models, Design and Comparative Study</p> <p>4. ChatGPT Era: Evolution, Uses, Needs, Objectives, Comparative Models &amp; Detailed Analysis</p> <p>5. AI-Powered Multilingual Dubbing &amp; Voice Cloning</p> <p>6. FontNet-K: Word-Level Kannada Font Classification Using CNNs</p> <p>7. Sentiment Analysis of Instagram Images and Captions</p>	<p>2. AI-Driven Rice Yield Prediction with Circular Economy Insights on Crop Residue Utilization</p> <p>3. An AI Driven Framework For Nutrient Deficiency Detection And Personalized Diet Recommendation</p> <p>4. Modernizing Waste Water Management Systems with Machine Learning: A Comprehensive Review</p> <p>5. Technological Approaches for Vehicular Emission Monitoring and their Implications in Air Pollution Control</p> <p>6. Smart Agriculture Cybersecurity: An ML-Enabled Threat Detection Framework</p> <p>7. A Permissioned Blockchain-Based AI Framework for Sustainable Smart Farming Using Hyperledger Fabric</p>	<p>and Translation System: A Robust and Affordable Vision-Based Approach</p> <p>3. Hybrid AI-Powered Navigation and Voice-Based Q&amp;A Assistant for the Visually Impaired</p> <p>4. An Energy-Efficient Real-Time Multi-Sensor IoT Framework for Early Landslide Detection in Remote Regions</p> <p>5. Trends, Challenges and Future Scope of PLC-Based Automation with AI and ML Integration</p> <p>6. 3D Printing Application in Design and Manufacturing of Prosthesis</p> <p>7. Channel Estimation for OFDM System using Optimization Algorithms</p>
16:10 to 16:20	<b>Tea Break</b>							
19:00 to 20:00	<b>Cultural Programme</b>							



IC-  
SMART (2026)- Conference Schedule

Day-2

Saturday, 28<sup>th</sup> March 2026

Time	Events							
10:00 to 10:20	Dr. Hsing-Hao Wu -- Plenary Speaker							
10:20 to 10:40	Dr. Amod Bhat -- Plenary Speaker							
10:40 to 11:00	Ram Kunchur -- Plenary Speaker							
11:00 to 11:10	Tea Break							
11:10 to 11:30	Dr. Sandeep P Patil -- Plenary Speaker							
11:30 to 11:50	Makoto SAITO -- Plenary Speaker							
11:50 to 12:20	Dr. Eng. Zdzisław PÓLKOWSKI-- Plenary Speaker							
12:20 to 13:00	Panel Discussion							
13:00 to 14:00	Lunch							
	Session-1	Session-2	Session-3	Session-4	Session-5	Session-6	Session-7	Session-8
14:00 to 14:20	<b>Keynote Speaker</b>	<b>Keynote Speaker</b>	<b>Keynote Speaker</b>	<b>Keynote Speaker</b>	<b>Keynote Speaker</b>	<b>Keynote Speaker</b>	<b>Keynote Speaker</b>	<b>Keynote Speaker</b>
14:20 to 16:00	<b>OFFLINE</b> Session Chair: _____ <b>AI/IIoT for Industrial, Agricultural &amp; Smart Applications</b> 1. Development of a Manually and Remotely Controlled Feeder Line for Broiler Poultry Applications 2. A Digital Twin-Based Kinematic Simulation Framework for Trajectory Tracking and Error Analysis of 7-DOF Manipulators 3. Smart Assistive	<b>OFFLINE</b> Session Chair: _____ <b>AI Theory, Optimization, NLP &amp; Learning Systems</b> 1. Reconstructing QLoRA from First Principles: A Comprehensive Study of Quantized Low-Rank Fine-Tuning for Large Language Models 2. Cluster-Evolving Metric-Aware Learning for Intelligent and Sustainable Analytics 3. On the Solvability and Solution of Second-Order	<b>OFFLINE</b> Session Chair: _____ <b>Finance, ESG, Business &amp; Cybersecurity &amp; Society</b> 1. A Systematic Review of Academic Libraries Supporting Interdisciplinary Deep Learning Applications for Sustainable Management 2. Saving Habits and Investment Behavior of Working Professionals in Kolhapur City Influencing Their Financial Decisions 3. A Comprehensive	<b>ONLINE</b> Session Chair: _____ <b>Finance, ESG, Business &amp; Digital Economy</b> 1. Generational Differences in FinTech Adoption and Financial Well-Being: An Empirical Study of Generation Z and Millennials 2. The Role of Social Media in ESG Integration: Evidence from Investor Awareness, Perception, and Decision-Making in Global Equity Markets	<b>ONLINE</b> Session Chair: _____ <b>Federated Learning, ML Theory &amp; Intelligent Systems</b> 1. Comparative Analysis of Model Aggregation Algorithms in Federated Learning 2. A Comprehensive Survey of JAYA, FISA, TLBO, and RAO-1, RAO-2, and RAO-3 Statistical Optimization Algorithms 3. FTIR-Driven Hierarchical Deep Learning for Reliable	<b>ONLINE</b> Session Chair: _____ <b>Computer Vision, Signal Processing &amp; Electronics</b> 1. A Comparative Analysis of CNN, ResNet-18, and Hybrid Architectures for Image Tampering Detection 2. Deep Learning-Based Image Deraining for Robust Object Detection in Autonomous Driving Under Adverse Weather 3. Comprehensive Design and Performance	<b>ONLINE</b> Session Chair: _____ <b>AI in Education, Content Creation &amp; Assistive Applications</b> 1. Intelligent Content Creation System for Educators 2. AI-Powered Classroom Notes Recorder: Real-Time Transcription, and Translation for Accessible Learning 3. DemoCat: AI-Driven Calorie and Nutrition	<b>ONLINE</b> Session Chair: _____ <b>Smart Cities, Transport, Environment &amp; Emerging Applications</b> 1. Spatio-Temporal Analysis of Road Accident Hotspots: A Case Study on the Samruddhi Mahamarg, Maharashtra 2. Robust Vision-Based Lane Detection for Advanced Driver Assistance Systems (ADAS) 3. Impact of Shear Wall

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	<p>Footwear: Based on IoT and Edge Computing for Visually Challenged Users</p> <p>4. Graph Integrated Smart Meter Intelligence for Revenue Assurance and Self-Healing Distribution Networks &amp; Scenarios</p> <p>5. Soil Nutrient Analysis for Crop Prediction System</p> <p>6. River Water Quality Evaluation Methods: A Review</p> <p>7. A Machine Learning-Enabled Decision-Support System for Equipment Loss Risk Assessment and Mitigation in High-Intensity Conflict Zones</p> <p>8. Review of Rain Removal in Images Using Generative Adversarial Networks</p>	<p>Fuzzy Relational Equations for Trapezoidal e-d Fuzzy Numbers</p> <p>4. Sorted: Mirroring Human Logic via Local-First Semantic Organization</p> <p>5. Comparative Evaluation of CNN Architectures for Plant and Medicinal Plant Identification Using Leaf Images</p> <p>6. Temporal Analysis of Anomalous Behavior in Surveillance Videos Using Long Short-Term Memory Networks</p> <p>7. Adaptive Credit Card Fraud Detection Using Machine Learning Techniques</p> <p>8. Navigating the Labyrinth: A Structural Analysis of Awareness, Digital Literacy, and E-Resource Engagement among Graduate Students</p>	<p>Review on the Utilization of Low-Grade Data Center Waste Heat for Absorption Cooling: Pathways to Energy-Sustainable Computing</p> <p>4. Bridging the Digital Divide in Business Education: The Role of Artificial Intelligence in Enhancing Employability Skills</p> <p>5. Stability-Oriented Multimodal Learning for Robust and Sustainable Malware Detection</p> <p>6. A Probabilistic Open-Set Intrusion Detection Framework for Sustainable Security in Decentralized Digital Ecosystems</p> <p>7. RPA-based Auto Deployment Module for E-Way Bill Generation</p>	<p>3. Beyond Compliance: Corporate Environmental Sustainability &amp; Community Engagement in India</p> <p>4. A Study to Understand Consumer Awareness and Preference Towards Eco-friendly Ganesha Idols in Pune</p> <p>5. Syn-SWIFT: A High-Fidelity, Explainable Synthetic SWIFT Dataset for Benchmarking Federated Fraud Classifiers</p> <p>6. A Multi-Level Job Title Normalization for Prediction of Job Domain from skills using Machine Learning</p> <p>7. Green Banking Practices and Customer Perception: A Study of the Indian Banking Sector</p>	<p>Authentication and Adulterant Identification in Ghee</p> <p>4. Deep Multimodal Framework for Detecting External AI Usage in Candidate Interviews through Speech Behaviour</p> <p>5. Kalachakra: An Emotional Contextual Memory Intelligence Framework for Human-Centric AI</p> <p>6. A Systematic xAI-Driven Server-Side Context Caching for Model Context Protocol to Optimize User Query Processing</p> <p>7. Method of Secure Authentication for Wireless Sensor Networks Based on Clusters</p>	<p>Evaluation of an 8-bit R-2R Digital-to-Analog Converter</p> <p>4. Thermal Analysis of Perforated AL6063-T6 Fin Heat Sink</p> <p>5. Retractable Shield with Temperature Adaptation for Enhanced Solar Panel Durability</p> <p>6. From Planned Purchases to Impulse Buying: The Influence of Quick Commerce on Consumer Buying Behaviour</p>	<p>Estimator</p> <p>4. Leveraging Multimedia in ISL Lexicography: Improving Educational Access for Hearing-Impaired Learners</p> <p>5. Architecture for Implementing IoT, Data Analytics and Related Advanced Technologies in Banking Sector</p> <p>6. AI-Enabled CREO Automation with Predictive Computational Modeling for Sustainable Smart Composite Manufacturing</p> <p>7. A Study on Enhancing Fairness in Bigdata Analytics through Bias Detection and Mitigation Technology</p>	<p>Percentage and Grade of Concrete on Seismic Response of G+30 Reinforced Concrete Residential Building</p> <p>4. A Review of Photovoltaic Forecasting-Based Sustainable EV Charging in Commercial Buildings</p> <p>5. Persistence of Dragonflies (Odonata) in Urban Freshwater Systems and the Potential of Artificial Habitats for Biodiversity Conservation</p> <p>6. Method of Secure Authentication for Wireless Sensor Networks Based on Clusters</p> <p>7. Economic Practices of Un-organized Fruit and Vegetable Vendors: An Empirical Study of Pricing and Demand-Supply Dynamics</p>
<p><b>16:00 to 16:10</b></p>	<p><b>Tea Break</b></p>							
<p><b>16:10 to 16:50</b></p>	<p><b>Valedictory Function</b></p>							