



# 4<sup>th</sup> International Conference on Computational Intelligence, Data Science, and Cloud Computing (IEM-ICDC 2026)

16-18 March, 2026  
Software Technology Park India, Kolkata



*In association with*



## Conference Schedule

16 <sup>th</sup> March 2026		
Venue: Godrej Genesis, Street Number 18, Block EP & GP Sector V, Salt Lake, Kolkata - 91		
10:00AM- 4:30PM	<b>InnovAI : Tutorial &amp; Hands –on Session (10<sup>th</sup> Floor)</b> Voice AI Agents & End-to-End Automation with n8n <b>Speaker: Debaditya Banerji</b> CEO & Founder: AdiSync AI	<b>GenAI : Workshop (15<sup>th</sup> Floor)</b> Applied GenAI: From beginner to builder <b>Speaker: GenAI CoE Leads</b>
10.00 AM – 11:00 AM	Workshop Registration and Welcoming	
11.00 AM – 01:00 PM	Workshop Phase - 1	
01:30 PM – 03:00 PM	Workshop Phase - 2	
03:00 PM – 04:30 PM	Quiz & Conclusion	<b>Ideathon Competition</b> <b>Genspark 2.0</b> <b>Judge: Abhijit Pal</b> Executive Director, Alphaxine <b>Paromita Ghosh</b> GM, Ericsson



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<b>17<sup>th</sup> March 2026</b> <b>Venue: Software Technology Park India, Plot-5/1, Block-DP, Sector-V, Salt Lake, Kolkata 700091</b> <b>Main Auditorium: <a href="https://meet.google.com/mnp-zejv-bua">https://meet.google.com/mnp-zejv-bua</a></b>	
8:30AM- 9:30AM	<b>Conference Registration</b>
9:30 AM- 9:35AM	Inauguration (Lighting lamp & Saraswati Vandana)
9:35AM - 9:40 AM	Inaugural speech: Mrs. Banani Chakrabarti –President IEM-UEM Group
9:40 AM- 9:45AM	A Message from Director: Prof. Satyajit Chakrabarti –Director IEM Kolkata
9:45 AM- 9:50AM	Welcome Note: Prof. Rajashree Paul-Director IQAC, IEM UEM Group
9:50AM- 9:55AM	Welcome Note: Shri Debashis Sen, Former IAS officer (ex Additional Chief Secretary IT)
<b>Award Ceremony</b>	
10:00AM- 10:15AM	<b>Prof. Satyajit Chakrabarti Memorial Award for Outstanding Contribution to Academics</b> <b>Prof. Dr. Nabanita Das</b> Professor (Retd.), Indian Statistical Institute, Kolkata

10:15AM- 10:30AM	<b>Award for Outstanding Contribution in Academics</b> <b>Prof. Dr. Debatosh Guha</b> INAE Chair Professor, University of Calcutta, Rajabazar Campus, Kolkata, India
10:30AM- 10:45AM	<b>Award for Outstanding Leadership</b> <b>Dr. Dipankar Chakrabarti</b> Founder, CtoE Consultancy Services, Kolkata & Director, BDSCube Technology Pvt., Ltd., Kolkata
10:45AM- 11:00AM	<b>Tea Break</b>

<b>Main Auditorium</b> Main Auditorium: <a href="https://meet.google.com/mnp-zejv-bua">https://meet.google.com/mnp-zejv-bua</a>			
11:00AM- 11:45AM	<b>Keynote 1: Prof Dr Utpal Garain</b> Professor, Head of CVPRU, Indian Statistical Institute, Kolkata		
11:45 AM- 12:30PM	<b>Keynote 2: Mr. Manojit Sengupta</b> Delivery Centre Head, Industry Lead for Energy, Resource and Utilities, TCS, Kolkata		
	<b>Main Auditorium</b> <a href="https://meet.google.com/mnp-zejv-bua">https://meet.google.com/mnp-zejv-bua</a>	<b>Hall 1</b> <a href="https://meet.google.com/vvt-zfff-kvv">https://meet.google.com/vvt-zfff-kvv</a>	<b>Hall 2</b> <a href="https://meet.google.com/yow-btrk-wni">https://meet.google.com/yow-btrk-wni</a>
		<b>Track: AI &amp; Robotics</b>	<b>Track: Network Cloud and Big Data</b>
	<b>Panel Discussion: From Innovation to Responsibility: Can Generative AI Scale Ethically?</b>	<b>Chair:</b> <b>Dr Indrajit Pan</b> RCC Institute of Information Technology, Kolkata	<b>Chair:</b> <b>Dr Indrajit Banerjee</b> IEST, Shibpur
	<b>1) Mr. Sudip Dasgupta</b> Enterprise Architect - GenAI & Agentic AI Director, Cognizant Technology Solutions	<b>Dr Arup Kumar Sadhu</b> TCS Research	<b>Dr Kaushik Roy</b> West Bengal State University, Kolkata
12:30PM – 1:30 PM	<b>2) Dr. Anindita Desarkar</b> GenAI Practitioner Director, L&T Mindtree	<b>Paper Id: 06</b> Supervised-Blind Hyperspectral Unmixing via MiSiCNet and Deep Image Prior Models: Comparative Analysis on Jasper Ridge and Henry Island (Real) Datasets (Sundarban)	<b>Paper Id: 79</b> Secured Message Communication in Presence of Big Vehicle Shadow
	<b>3) Mr. Tapomoy Koley</b> Program Manager - Data Scientist Associate Director, Capgemini	<b>Paper Id: 222</b> AlertDrive: An AI-Powered Drowsiness Monitoring and Alert System for Intelligent Transport Systems	<b>Paper Id: 87</b> Mitigating Lateral Movement in Hybrid Cloud CI/CD Pipelines via Container Network Micro-Segmentation
	<b>4) Dr. Durba Bhattacharya</b> Head, Postgraduate Department of Data Science, St. Xavier's College, Kolkata	<b>Paper Id: 239</b> Qualitative Analysis on Deep Learning Architectures for In-Field Sugarcane Disease Detection	<b>Paper Id: 155</b> An Adaptive Multi-Factor Transient Authentication System for Cloud-Based Applications <b>[ONLINE]</b>
	Moderator: <b>Prof Dr Amit Kumar Das</b> Dean Industry Consultancy, IEM SaltLake	<b>Paper Id: 69</b> An Interpretable Machine Learning Approach for Tea Leaf Disease	<b>Paper Id: 180</b> Simplex-Constrained Sparse Inference for Network Flow Reconstruction <b>[ONLINE]</b>

		Classification toward Smart Agriculture <b>[ONLINE]</b>	
1:30 PM- 2:30 PM	<b>Lunch</b>		
	<b>Main Auditorium</b> <a href="https://meet.google.com/mnp-zejv-bua">https://meet.google.com/mnp-zejv-bua</a>		<b>Hall 1</b> <a href="https://meet.google.com/vvt-zfff-kvv">https://meet.google.com/vvt-zfff-kvv</a>
			<b>Hall 2</b> <a href="https://meet.google.com/yow-btrk-wni">https://meet.google.com/yow-btrk-wni</a>
2:30 PM- 3:15 PM	<b>Keynote 3: Mr. Sankar Ghosh</b> Technology Solutions Lead - Asia Pacific and LATAM, Accenture, India		<b>Track: AI &amp; Robotics</b>  <b>Chair:</b> <b>Dr Saptarsi Goswami</b> Bangabasi Morning College, Calcutta University <b>Dr Saswati Mukherjee</b> Jadavpur University
3:15 PM - 3:30 PM	<b>Technical Talk 1: Dr. Tridibesh Nag</b> Secretary, IEEE, Kolkata Section		<b>Track: Cyber Security, Blockchain and IoT</b>  <b>Chair:</b> <b>Dr Kunal Das</b> Acharya Prafulla Chandra College, Kolkata <b>Dr Chinmoy Ghorai</b> Jadavpur University
		2:30 PM- 4:00 PM	<b>Paper Id: 74</b> Quantum-Secure Edge AI for Biomedical IoT Privacy
			<b>Paper Id: 24</b> A Lightweight Hierarchical Approach for Real-Time Strawberry Quality Assessment in Precision Agriculture <b>[ONLINE]</b>
			<b>Paper Id: 78</b> Seismic acceleration prediction using multi-variable data applying Long Short Term Memory and Temporal Convolutional Network models <b>[ONLINE]</b>
			<b>Paper Id: 38</b> IoT-Based Offline Multi-Hazard Worker Safety System with Real-Time Dashboard and Supervisor Control
			<b>Paper Id: 109</b> Leveraging Hybrid Blockchain Models and Decentralized Identity Management for Scalable Cross-Domain Authorization <b>[ONLINE]</b>
			<b>Paper Id: 225</b> Predictive Analysis on ecommerce customer purchase using Machine Learning Models
			<b>Paper Id: 172</b> AURA: Enhancing Trust and Security in Blockchain-Enabled Electronic Voting Systems
			<b>Paper Id: 287</b> A Comparative Survey of Quantization Techniques for Reasoning in Small Language Models
			<b>Paper Id: 185</b> An Intelligent Safety System for Women with SOS, Location Tracking and Crime-Zone Alerts
			<b>Paper Id: 110</b> Novel Approach for Plant Disease Detection Using Zero Short Learning
			<b>Paper Id: 291</b> Secure Healthcare Chatbot using Hugging Face Embeddings, FAISS Vector Store, and Google FLAN LLM with Emphasis on Attack Defenses <b>[ONLINE]</b>
3:30 PM - 4:00 PM	<b>Tea Break</b>		

4:00 PM- 5:00 PM	<p align="center"><b>Track: AI &amp; Robotics</b></p> <p><b>Chair:</b>  <b>Dr. Soumya Sen</b>  A.K. Choudhury School of IT, University of Calcutta  <b>Dr. Jadav Chandra Das</b>  MAKAUT</p>	<p align="center"><b>Track: AI &amp; Robotics</b></p> <p><b>Chair:</b>  <b>Dr. Souvik Sengupta</b>  Aliah University  <b>Dr. Sourav Pramanik</b>  New Alipore College, Kolkata</p>	<p align="center"><b>Track:</b>  <b>Cyber Security, Blockchain and IoT</b></p> <p><b>Chair:</b>  <b>Dr. Sudipta Kumar Ghosal</b>  Behala Government Polytechnic, Kolkata  <b>Mr. Rahul Saha</b>  LTI Mindtree</p>
	<p><b>Paper Id: 117</b> A survey on depression detection using machine learning and daily life activity tracking</p>	<p><b>Paper Id: 161</b> A Content-Based Movie Recommendation Framework Using Cosine Similarity and Metadata Fusion</p>	<p><b>Paper Id: 298</b> Towards Realistic Firewall Anomaly Detection in Label-Scarce Environments</p>
	<p><b>Paper Id: 121</b> Modeling IPL Match Outcomes: A Probabilistic Approach Incorporating the Impact Player Paradigm</p>	<p><b>Paper Id: 183</b> Automated ICD-10 Code Generation from AI-based Multiclass Breast Cancer Diagnosis [<b>ONLINE</b>]</p>	<p><b>Paper Id: 311</b> Blockchain-Enabled Digital Twins for Secure and Trust-Driven Healthcare 4.0 Applications [<b>ONLINE</b>]</p>
	<p><b>Paper Id: 138</b> Automated Logic Generation: An AI Paper on Optimized Multi-Valued Calculus Algorithms [<b>ONLINE</b>]</p>	<p><b>Paper Id: 187</b> BacDet: AI-empowered Real-time Detector of Escherichia coli (E. coli ) in Packaged Drinking Water</p>	<p><b>Paper Id: 316</b> A Secure Blockchain Framework for Patient-Centric Electronic Health Records</p>
	<p><b>Paper Id: 142</b> Modified-GRU Integrated with Hardware for Effectively Addressing Evolving Polymorphic Shellcode [<b>ONLINE</b>]</p>	<p><b>Paper Id: 191</b> From Classical to Quantum: A Comparative Study of Quantum and Classical Integer Factorization Algorithm [<b>ONLINE</b>]</p>	<p><b>Paper Id: 169</b> Battery Coulomb Driven Optimization for Data-Sensitive IoT using ML Methods [<b>ONLINE</b>]</p>



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## Conference Schedule

18<sup>th</sup> March 2026

Venue: Software Technology Park India, Plot-5/1, Block-DP, Sector-V, Salt Lake, Kolkata 700091

Main Auditorium

<https://meet.google.com/mnp-zejv-bua>

09:15AM- 09:30AM	<b>Registration</b>		
09:30AM- 10:30AM	<b>Keynote 4: Dr. Arpan Pal</b> Distinguished Chief Scientist and Research Area Head, TCS, India		
10:30 AM- 10:45AM	<b>Tea Break</b>		
10:45AM - 12:45 PM	<b>Main Auditorium</b> <a href="https://meet.google.com/mnp-zejv-bua">https://meet.google.com/mnp-zejv-bua</a>	<b>Hall 1</b> <a href="https://meet.google.com/vvt-zfff-kvv">https://meet.google.com/vvt-zfff-kvv</a>	<b>Hall 2</b> <a href="https://meet.google.com/yow-btrk-wni">https://meet.google.com/yow-btrk-wni</a>

	<p align="center"><b>Track: AI &amp; Robotics</b></p> <p><b>Chair:</b>  <b>Prof Abhijit Das</b>  RCC Institute of Information Technology, Kolkata  <b>Dr Anisha Halder</b>  Institute of Radio Physics and Electronics, Calcutta University</p>	<p align="center"><b>Track: AI &amp; Robotics</b></p> <p><b>Chair:</b>  <b>Dr. Koushik Majumder</b>  Associate Professor,MAKAUT  <b>Prof Abhishek Das</b>  Aliah University</p>	<p align="center"><b>Track: Image Processing and NLP</b></p> <p><b>Chair:</b>  <b>Dr Sourav De</b>  Government College of Engineering and Textile Technology, Serampore  <b>Dr Sriparna Saha</b>  MAKAUT</p>
	<p><b>Paper Id: 282</b> Large Language Models as Evaluators: A Comprehensive Survey of LLM-as-a-Judge Paradigms, Challenges, and Benchmarks</p>	<p><b>Paper Id: 236</b> Query-Context Aware Automatic Topic Hierarchy Generation for Educational Web Resources  <b>[ONLINE]</b></p>	<p><b>Paper Id: 32</b> The Scientific Odyssey: An AR and AI-Enhanced Game-Based Learning Framework for Interdisciplinary STEM Education  <b>[ONLINE]</b></p>
	<p><b>Paper Id: 211</b> Bridging Data, Sentiment, and Decision-Making: A Hybrid Machine Learning Framework for Hotel Booking Cancellation Prediction</p>	<p><b>Paper Id: 259</b> Knowledge-Embedded ML for Non-Intrusive Water Meter Verification</p>	<p><b>Paper Id: 189</b> Context-Aware Text Summarization Using Seq2Seq LSTM Networks <b>[ONLINE]</b></p>
	<p><b>Paper Id: 43</b> Disentangling Cognitive Load, Attention, and Empathy from Eye-Tracking Data Using Machine Learning <b>[ONLINE]</b></p>	<p><b>Paper Id: 274</b> Post-Transformer Architectures: SSMs, Hybrids, and Efficient LLMs</p>	<p><b>Paper Id: 196</b> MedBrain-Net: A Dual-Pathway Framework for Brain Tumor Segmentation and Classification from Multi-Modal MR Images</p>
		<p><b>Paper Id: 95</b> Performance Boost in ALO Using a New Cost Function <b>[ONLINE]</b></p>	
	<p><b>Paper Id: 92</b> An Ensemble Deep Learning Configuration for Brain Tumor Classification <b>[ONLINE]</b></p>	<p><b>Paper Id: 308</b> A Multi-Agent AI Architecture for Personalized Medication Management</p>	<p><b>Paper Id: 201</b> A Taxonomic review of Deep Learning driven techniques for early diagnosis of lung diseases from Chest Radiographs <b>[ONLINE]</b></p>
	<p><b>Paper Id: 232</b> SmartOps: A Cognitive Multi Agent Architecture for Intelligent DevOps Workflow Automation <b>[ONLINE]</b></p>	<p><b>Paper Id: 317</b> Arresting National Narrative Drift During OSINT Blackouts <b>[ONLINE]</b></p>	<p><b>Paper Id: 275</b> An Intelligent Drone-Based Surveillance System for Crop Protection and Animal Intrusion Detection</p>
	<p><b>Paper Id: 235</b> Spatiotemporal Assessment of Mangrove Resilience to Cyclone Using Multi-Sensor Remote Sensing</p>	<p><b>Paper Id: 318</b> Genova: Solving Student Helpdesk Challenges through RAG and Agent Collaboration</p>	<p><b>Paper Id: 94</b> Quantum Entropic Intelligence: A Unified Framework for Adaptive Graphs, Swarm Control, and Learning Networks</p>
12:45 PM- 2:00 PM	<b>Lunch</b>		
2:00 PM- 3:00 PM	<b>Keynote 5: Mr. Soumya Sengupta</b> , Managing Director & Azure Cloud Practice Lead, PwC, India		
3:00 PM- 3:15 PM	<b>Tea</b>		
3:15 PM- 4:45 PM	<b>Valedictory Session</b>		

