

INTERNATIONAL CONFERENCE ON INTELLIGENT SYSTEMS & DATA-DRIVEN COMPUTING

ISDDC-2026

IEEE CONFERENCE RECORD: 070090 **LUCKNOW/INDIA/20-21 NOV 2026**

Sr.No.	Track	Paper ID	Paper Title	Presentation Mode	Date	Time	Track Session (TS)
1	AI & ML	138	Predicting Power Conversion Efficiency in Perovskite Solar Cells Using Supervised Machine Learning: A Systematic Review and Quantitative Meta-Analysis	Offline	20-11-2026	14:00 PM	TRACK SESSION-1
2	AI & ML	147	Systematic Analysis of Decision-Making Frameworks and Control Mechanisms in Autonomous Robotics	Offline	20-11-2026	14:15 PM	
3	AI & ML	155	Model Predictive Control Strategy Using Filtering Techniques for HESS in DC Microgrid	Offline	20-11-2026	14:30 PM	
4	Intelligent Systems	166	An Energy-Efficient Clock-gated Pipelined MAC Architecture Using Wallace Tree Multiplier and CLA Adder in 45nm CMOS Using Cadence Virtuoso	Offline	20-11-2026	14:45 PM	
5	Data Science	185	An Efficient Lightweight MobileViT Framework with Confidence-Aware Scaling for Lumpy Skin Disease Detection	Offline	20-11-2026	15:00 PM	
6	Data Science	200	Dynamic Mathematical Modeling of VSI-Fed Induction Motor Drive Systems in Electric and Hybrid Electric Vehicles	Offline	20-11-2026	15:15 PM	
7	Intelligent Systems	201	Deep Reinforcement Learning-Based Optimization of Bidirectional EV Chargers for Real-Time V2G and V2H Energy Exchange	Offline	20-11-2026	15:30 PM	
8	Signal Processing	208	An Improved Non-Singular Modified Reaching Law Approach for High-Performance Voltage Regulation in DC Microgrids	Offline	20-11-2026	15:45 PM	
9	AI & ML	223	A Multi-Model Analysis of Public Sentiment towards Electric Vehicles adaptation in India	Offline	20-11-2026	16:00 PM	
10	Computer Vision	283	Dynamic Analysis and Robustness Evaluation of Adaptive PID vs. Fuzzy Logic Control in Non-Isolated Bidirectional Buck-Boost Converters	Offline	20-11-2026	16:15 PM	
11	AI & ML	295	Design And Performance Analysis of Modified Hybrid GWO-P&O Maximum Power Point Tracking Controller for Solar PV Systems	Offline	20-11-2026	16:30 PM	
12	Special Track 2	645	A Hybrid GA–PSO Framework for Multi-Objective Compositional Optimization of High-Entropy Alloys	Offline	20-11-2026	16:45 PM	

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13	Special Track 2	296	Electrostatically Doped 2D Junctionless TFET Using MoS_2, WSe_2, and HfS_2 Channels for Steep-Slope Switching	Offline	20-11-2026	14:00 PM	TRACK SESSION-2
14	Special Track 2	302	Machine Learning for Spectrum Resource Allocation: A Data Driven Cross-Country Analysis of 5G Auction Markets	Offline	20-11-2026	14:15 PM	
15	AI & ML	347	Lithium-Ion Battery Cycle-Life Prediction Using XGBoost Regression and Degradation Feature Engineering	Offline	20-11-2026	14:30 PM	
16	AI & ML	369	An Energy-Efficient Cascaded AI Architecture Utilizing Shallow Quantum Circuits for Low-Power Edge Wake-Up Triggers	Offline	20-11-2026	14:45 PM	
17	Signal Processing	373	UPQC-Based Power Quality Improvement in Distributed Generation Systems: Control Techniques, Optimization, and Future Trends	Offline	20-11-2026	15:00 PM	
18	Special Track 2	402	Assessment of LVRT Capability in Wind Energy System Using Virtual HIL	Offline	20-11-2026	15:15 PM	
19	AI & ML	411	IFGM Copula with Exponentiated Weibull Marginals for Joint Anomaly Scoring in IoT Sensor Networks	Offline	20-11-2026	15:30 PM	
20	AI & ML	420	Random Forest-Based Forecasting of Global Horizontal Irradiance with Leakage-Aware Feature Engineering for Renewable Energy Applications	Offline	20-11-2026	15:45 PM	
21	AI & ML	520	Multimodal Neonatal Pain Classification Using EEG, ECG, and Respiration Signals with Subject-Level Validation	Offline	20-11-2026	16:00 PM	
22	Intelligent Systems	774	Mismatched Optimal Sliding Mode Control with Integral Action for Electromagnetic Levitation System	Offline	20-11-2026	16:15 PM	
23	AI & ML	842	Design and Performance Analysis of a 32-bit Power-Gated Variable Block Carry Select Adder in 90 nm and 45 nm CMOS Technologies	Offline	20-11-2026	16:30 PM	
24	Signal Processing	847	Beyond WLM: Liberty-Accurate Multi-Threshold Voltage Optimization for Leakage Reduction	Offline	20-11-2026	16:45 PM	



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Sr.No.	Track	Paper ID	Paper Title	Presentation Mode	Date	Time	Track Session (TS)
25	Special Track 1	318	Fractional-Order Modular Multilevel Converters in Rectifier Applications	Offline	21-11-2026	10:00 AM	TRACK SESSION-3
26	AI & ML	410	Green 5G-IoT Smart Cities: AI-Enabled Architecture and Fairness-Oriented Joint Bandwidth and Power Allocation	Offline	21-11-2026	10:15 AM	
27	AI & ML	445	An Energy-Efficient Optimized Routing in IoT using Game Theory Routing	Offline	21-11-2026	10:30 AM	
28	AI & ML	462	GNN-RL Based Energy Efficient Routing Protocol for Wireless Sensor Network	Offline	21-11-2026	10:45 AM	
29	AI & ML	526	Enhancing Solar Energy Harvesting with Fuzzy Logic MPPT: A comparative analysis against P&O and Incremental Conductance	Offline	21-11-2026	11:00 AM	
30	AI & ML	567	Smart Agriculture Using GAN-Assisted Multispectral and IoT Data for Disease Detection and Yield Estimation	Offline	21-11-2026	11:15 AM	
31	Special Track 2	571	Smart Floor Cleaning Robot with Waste Collection and Liquid Hazard Detection for Industrial Environments	Offline	21-11-2026	11:30 AM	
32	Special Track 2	577	LoRa-Based Traffic Control System under Emergency and Disaster Situations	Offline	21-11-2026	11:45 AM	
33	Data Science	582	A Comparative Review Of Bandwidth Enhancement Techniques For Microstrip Patch Antenna: Towards Hybrid Approach	Offline	21-11-2026	12:01 PM	
34	CVPRM	594	Battery Thermal Management System For Electric Vehicles –An Overview	Offline	21-11-2026	12:15 PM	
35	AI & ML	601	Fast Battery Charging System for Electric Vehicles Using MPC and AI Controller with Solar Energy Integration: In compliance with SDG-7	Offline	21-11-2026	12:30 PM	

Sr.No.	Track	Paper ID	Paper Title	Presentation Mode	Date	Time	Track Session (TS)
36	Special Track 2	636	A Comprehensive Review of Edge Computing–IoT Integration for Smart Learning Environments	Offline	21-11-2026	10:00 AM	TRACK SESSION-4
37	Signal Processing	673	Soft and Hard Decision Fusion Techniques for Cooperative Spectrum Sensing in Intelligent IoT Networks	Offline	21-11-2026	10:15 AM	
38	Intelligent Systems	748	Quadrotor Altitude Control using ANFIS Based Self Tuning PID Controller	Offline	21-11-2026	10:30 AM	
39	Signal Processing	751	Investigating the Interplay of Grid Voltage Fluctuations, DC-Link Voltage, and Converter Losses in Photovoltaic Systems	Offline	21-11-2026	10:45 AM	
40	AI & ML	770	High-Speed and Low Power 17-Transistor Flip-Flop Design for Low-Voltage Application	Offline	21-11-2026	11:00 AM	
41	Signal Processing	793	Federated QKD-Assisted Secure Spectrum Sensing for 6G Cognitive IoT Networks	Offline	21-11-2026	11:15 AM	
42	Computer Vision	799	An Adaptive Hybrid Trust Management Framework for Secure and Explainable Social Internet of Things	Offline	21-11-2026	11:30 AM	
43	AI & ML	873	Digital Substation: Design, Architecture, Applications, and Future Prospects	Offline	21-11-2026	11:45 AM	
44	AI & ML	891	Early Internal Short-Circuit Detection in Lithium-Ion EV Batteries: A Review of Model-Based and Data-Driven Approaches	Offline	21-11-2026	12:01 PM	
45	AI & ML	892	Fault Detection and Location in Underground Power Cables: A Review from Classical Methods to Machine Learning	Offline	21-11-2026	12:15 PM	
46	Signal Processing	901	Interpretable Face Recognition Using Vision Transformers and Explainable AI	Offline	21-11-2026	12:30 PM	
47	IS & EE	908	Metaheuristic-Based Optimization of Transmission Networks for Loss Minimization and Voltage Stability Enhancement	Offline	21-11-2026	12:45 PM	



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48	Signal Processing	258	Development and Performance Optimization of a Fiber Bragg Grating (FBG)–SPR Hybrid Biosensor for Ultra-Sensitive Biochemical Detection	Offline	21-11-2026	10:00 AM	TRACK SESSION-5
49	Signal Processing	274	A Voice-Enabled Mental Health Virtual Assistant Web App	Offline	21-11-2026	10:15 AM	
50	Data Science	290	Liquid Neural Network–Enhanced CNN–SVM Framework for Adaptive Multi-Class Retinal Disease Classification	Offline	21-11-2026	10:30 AM	
51	AI & ML	304	Medical in Box (MIB): A Centralized and Intelligent Health Monitoring System Based on an Open Protocol and Edge Machine Learning	Offline	21-11-2026	10:45 AM	
52	AI & ML	428	A multiclass Deep learning EfficientNetB3 With CBAM Model for Automatic skin Disease diagnosis system	Offline	21-11-2026	11:00 AM	
53	AI & ML	456	An AI-Driven Framework for Early Mental Health Risk Prediction Using Multimodal Data	Offline	21-11-2026	11:15 AM	
54	AI & ML	561	Effect of Plasmonic Metals on the Performance of Photonic Crystal Fiber-Based Surface Plasmon Resonance Biosensors for Cancer Biomarker Detection	Offline	21-11-2026	11:30 AM	
55	AI & ML	878	Leakage, Distribution Shift and Calibrated Deferral in Lightweight Brain Tumor MRI Classification	Offline	21-11-2026	11:45 AM	
56	AI & ML	906	Defect-Engineered Ternary One Dimensional Photonic Crystal for High-Sensitivity Cancer Biosensing	Offline	21-11-2026	12:01 PM	

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57	AI & ML	106	On the Structural Limits of Graph Attention Networks for Root Cause Analysis in Dynamic Microservice Knowledge Graphs	Offline	20-11-2026	14:00 PM	TRACK SESSION-6
58	Computer Vision	139	Machine Learning Approaches for Air Quality Prediction: A Review of Urban Land Use, Meteorological and Satellite Data	Offline	20-11-2026	14:15 PM	
59	AI & ML	148	Hybrid Fuzzy–Random Forest for Respiratory Severity Prediction	Offline	20-11-2026	14:30 PM	
60	Computer Vision	184	QuickAI: A Modular Architecture for Multi-Domain AI Services with Local Transformer-Based Document Intelligence	Offline	20-11-2026	14:45 PM	
61	Computer Vision	219	A Confidence-Weighted Ensemble Transfer Learning Framework with Statistical Validation for Automated Detection of Diabetic and Hypertensive Retinopathy	Offline	20-11-2026	15:00 PM	
62	Computer Vision	226	A Data-Efficiency Evaluation of Deep Learning and Machine Learning Models for CICIDS2017 Intrusion Detection	Offline	20-11-2026	15:15 PM	
63	CVPRM	261	Machine Learning Based VM Scheduling Using K-Mean Clustering for Optimized Load Balancing in Cloud Computing	Offline	20-11-2026	15:30 PM	
64	Data Science	280	Optimization, Compression and Encryption of Multimodal Signals Using Intelligent Algorithms: A Comprehensive Review	Offline	20-11-2026	15:45 PM	
65	Signal Processing	306	MX-ACMAC: A Layer-Tiled Streaming Accelerator for Microscaling CNN Inference on Resource-Constrained Edge Devices	Offline	20-11-2026	16:00 PM	

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66	Special Track-2	307	Cost-and-Latency Optimization for Hybrid-Cloud Workload Migration: An Analytics Framework	Offline	20-11-2026	14:00 PM	TRACK SESSION-7
67	Computer Vision	319	Dense and Discontinuity Preserving Optical Flow with L1 and L2 Variational Regularization	Offline	20-11-2026	14:15 PM	
68	AI & ML	325	AI-DRIVEN MULTI-MODAL FAKE NEWS DETECTION USING NATURAL LANGUAGE PROCESSING AND DEEP LEARNING	Offline	20-11-2026	14:30 PM	
69	AI & ML	327	Deterministic ASCII Hashing for Memory-Constrained Edge Devices	Offline	20-11-2026	14:45 PM	
70	Data Science	341	Deep Learning-Based Plant Leaf Disease Prediction: A Systematic Review of Methods, Datasets, and Open Research Challenges	Online	20-11-2026	15:00 PM	
71	Special Track-2	343	A Hybrid Machine Learning and NLP Approach For Threat Detection in Healthcare Ecosystem using BERT	Offline	20-11-2026	15:15 PM	
72	Intelligent Systems	359	Smart Multi-Sensor Embedded Framework for Real-Time Confined Space Safety Monitoring Using Machine Learning	Offline	20-11-2026	15:30 PM	
73	Data Science	360	Beyond Accuracy: Evaluating Deep Generative Models for Tabular Data Augmentation through Drift, Utility, and Fairness	Offline	20-11-2026	15:45 PM	
74	AI & ML	374	Identifying Most Common Features of Digital Forensic Tools to Support Forensic Soundness	Offline	20-11-2026	16:00 PM	

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75	Computer Vision	385	LSTM-Based Forecasting of Monthly Indian Coal Production	Offline	20-11-2026	14:00 PM	TRACK SESSION-8
76	Intelligent Systems	390	Unmasking the Invisible: Detecting VPNs and Proxies Using Machine Learning & Cyber Forensics	Offline	20-11-2026	14:15 PM	
77	AI & ML	416	Fine-Grained Sentiment Analysis of E-Commerce Product Reviews Through Aspect Extraction and Classification	Offline	20-11-2026	14:30 PM	
78	Signal Processing	457	Deep Learning-Based Intelligent Framework for Early Detection of Zero-Day Cyber Attacks Using Network Traffic Analysis	Offline	20-11-2026	14:45 PM	
79	AI & ML	486	Securing Healthcare Networks Through an AI-Driven Hybrid Intrusion Detection Framework	Offline	20-11-2026	15:00 PM	
80	Computer Vision	491	FreqGate-YOLO: A Plain Frequency-Domain Method to Boost YOLO for underwater small object detection	Offline	20-11-2026	15:15 PM	
81	AI & ML	492	Counterfactual Goal Reversal: A Behavioral Framework for Evaluating Self-Explanations in Large Language Models	Offline	20-11-2026	15:30 PM	
82	AI & ML	505	A Hybrid Artificial Intelligence Framework for Automated Motor Insurance Claim Processing and Settlement	Offline	20-11-2026	15:45 PM	
83	Data Science	814	A Multimodal Deep Learning Framework For Intelligent Resume Parsing And Behavioral Analytics	Offline	20-11-2026	16:00 PM	

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84	Signal Processing	522	SMART WASTE MANAGEMENT WITH COMPUTER VISION BASED CLASSIFICATION AND GENERATIVE AI RECYCLING ASSISTANCE	Offline	20-11-2026	14:00 PM	TRACK SESSION-9
85	Data Science	525	TrojanSCOAP-ASCON: ML-Based Hardware Trojan Detection in Lightweight Cryptographic Hardware	Offline	20-11-2026	14:15 PM	
86	Signal Processing	547	Cross Modal Disagreement Aware Propagation Network for Robust Rumor and Fake News Detection	Online	20-11-2026	14:30 PM	
87	Special Track 2	558	Deep Reinforcement Learning for Cloud Workflow Scheduling on Historical-Context and Multi-Objective Optimization Trade-offs	Offline	20-11-2026	14:45 PM	
88	AI & ML	562	Data-Driven Code Stylometry and Authorship Verification using XGBoost	Offline	20-11-2026	15:00 PM	
89	Computer Vision	579	AI-HIT2FDT: An AI-Hybrid Interval Type-2 Fuzzy DEMATEL–TOPSIS Framework for Sustainable Supplier Selection in Green Electronics Supply Chains	Offline	20-11-2026	15:15 PM	
90	AI & ML	592	Optimal placement of DG and D-STATCOM in Distribution Network for voltage profile improvement	Offline	20-11-2026	15:30 PM	
91	Special Track 2	598	FedXGrid: Privacy-Preserving and Explainable Federated Graph Neural Networks for Energy Demand Forecasting in Smart Grids	Offline	20-11-2026	15:45 PM	



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92	Data Science	599	FedLoRA-DR: Drift-Regularized Low-Rank Adaptation for Communication-Efficient Federated Fine-Tuning of Language Models under Non-IID Data	Offline	20-11-2026	14:00 PM	TRACK SESSION-10
93	Special Track 2	614	Reliability Enhancement of Smart Distribution Network using Optimized Renewable Energy Sources without and with Fuel Cell Integration	Offline	20-11-2026	14:15 PM	
94	Computer Vision	617	Early Prediction of Crop Disease Outbreaks Using Weed Health Analysis and Hybrid Machine Learning Models	Offline	20-11-2026	14:30 PM	
95	AI & ML	623	Extending the UTAUT Model with Data Analytics Capability to Explain Behavioural Intention of AI enabled FinTech Services in India	Offline	20-11-2026	14:45 PM	
96	AI & ML	627	Explainable Hyperparameter-Optimized Deep Learning Framework for Time-Windowed Tool Condition Classification in Smart CNC Machining	Offline	20-11-2026	15:00 PM	
97	Special Track 2	628	Sequence-Aware Predictive Maintenance Using Transformer and Deep Learning Models for Tool Wear Prognosis in Smart Manufacturing	Offline	20-11-2026	15:15 PM	
98	AI & ML	629	Data-Driven Modeling of Battlefield Equipment Loss Dynamics Using an Explainable CatBoost Framework	Offline	20-11-2026	15:30 PM	
99	Computer Vision	862	Performance Evaluation of an Optimally Modified CHB-MLI	Offline	20-11-2026	15:45 PM	
100	Intelligent Systems	874	A Machine Learning-Based Mapping of PM_{10} Pollution in Lucknow City, India	Offline	20-11-2026	16:00 PM	

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101	Data Science	220	A Probabilistic Power Control Scheme for LVRT Enhancement of PMSG-Based Wind Energy Conversion Systems with Battery Energy Storage	Offline	21-11-2026	10:00 AM	TRACK SESSION-11
102	Computer Vision	247	An AI-Based Approach to Identifying and Analyzing Major Forms of GST Fraud and Tax Evasion in the Malaysian Business Environment.	Offline	21-11-2026	10:15 AM	
103	AI & ML	593	Distributed Energy Aware Multi Agent Reinforcement Learning for Resource Constrained Wireless Sensor Networks	Offline	21-11-2026	10:30 AM	
104	Special Track 2	630	An LLM-Based Intelligent Startup Planning Platform for Business Model Generation and Strategic Decision Support	Offline	21-11-2026	10:45 AM	
105	Signal Processing	635	A Secure and Privacy-Preserving Decentralized Healthcare Framework Based on Blockchain and Interpolated Reversible Data Hiding Technique	Offline	21-11-2026	11:00 AM	
106	Special Track 2	637	Real-Time Cognitive-Aware Knowledge Tracing Using Multimodal IoT Data and Reinforcement Learning	Offline	21-11-2026	11:15 AM	
107	AI & ML	640	AI-Powered Military Intelligence and Threat Prediction System Using Computer Vision and Deep Learning	Offline	21-11-2026	11:30 AM	
108	Signal Processing	646	A Cyber-Physical Framework for In-Situ Defect Detection in Laser Powder Bed Fusion Using Deep Learning and Multi-Sensor Fusion	Offline	21-11-2026	11:45 AM	
109	AI & ML	651	Computer-Aided Skin Lesion Detection and Classification Using Deep Learning and Machine Learning	Offline	21-11-2026	12:01 PM	

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110	AI & ML	674	RevoBloom: Counting Bloom Filter Based User Revocation for Blockchain-Based Data Freshness Auditing in Cloud Storage	Offline	21-11-2026	10:00 AM	TRACK SESSION-12
111	Signal Processing	713	Histogram-Based Gradient Boosting framework for Climate-Driven Cotton Yield Prediction	Offline	21-11-2026	10:15 AM	
112	Intelligent Systems	720	Opportunities and Challenges in Brain Tumor Detection: A Multimodal Data Analytics Perspective	Offline	21-11-2026	10:30 AM	
113	Special Track 2	722	Coverage Probability and Throughput Analysis of Cooperative NOMA with Full duplex Decode and Forward Relay	Offline	21-11-2026	10:45 AM	
114	AI & ML	724	A Study of Non-linear Neural Network Based for Prediction of Reflection Coefficient for RCS Reduction in Stealth Technology	Offline	21-11-2026	11:00 AM	
115	Special Track 2	731	Forest Sentinel: A Multi-Modal Sensor Fusion Framework for Sub-Five-Minute Forest Fire Detection and Spread Prediction Across Indian Forest Divisions	Offline	21-11-2026	11:15 AM	
116	Special Track 2	732	A Decision-Support Framework for Section Throughput Maximization on Indian Railways: Moving-Block Headway Modelling with Priority-Weighted Crossing Optimization	Offline	21-11-2026	11:30 AM	
117	AI & ML	743	Analyzing Attack Behavioral Drift Between Simulated and Real-World Intrusion Datasets: A Cross-Dataset Study	Offline	21-11-2026	11:45 AM	

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118	AI & ML	744	Embedding-Based Cross-Dataset Generalization Analysis of NIDS Using Multiple Classifiers	Offline	21-11-2026	10:00 AM	TRACK SESSION-13
119	AI & ML	749	Cross-Artifact Evidence Correlation and Causal Attack Reconstruction in Digital Forensics	Offline	21-11-2026	10:15 AM	
120	AI & ML	750	E-GAPF: Evidence-Grounded Provenance Forensics Unifying Anomaly Detection and LLM Multi-Agent Investigation	Offline	21-11-2026	10:30 AM	
121	AI & ML	762	A Remora Optimization Algorithm–Tuned XGBoost Framework for Transport-Layer TCP Congestion Prediction	Offline	21-11-2026	10:45 AM	
122	AI & ML	764	AnnaData_AI- A combined framework for crop recommendation and marketing intelligence	Offline	21-11-2026	11:00 AM	
123	Intelligent Systems	797	Ethical Digital Twins for Human-Centric Systems: A Framework for Privacy-Preserving Personalization	Offline	21-11-2026	11:15 AM	
124	Computer Vision	809	Comparative Evaluation of Different Fast Computing Methods for FPGA-Based PCB Defect Detection and Hardware Implementation	Offline	21-11-2026	11:45 AM	
125	AI & ML	812	Convex-Hull Guided Image Retrieval under Domain Shift and Adverse Visual Conditions: Bridging Classical Geometry with Vision Foundation Models	Offline	21-11-2026	12:01 PM	

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126	AI & ML	821	Secure Intelligent Banking Ecosystems: Integrating IoT Connectivity, Machine Learning and Explainable AI.	Offline	21-11-2026	10:00 AM	TRACK SESSION-14
127	Special Track 2	822	Consumer Adoption of Convenience Food: A Comparative Analysis of Logistic Regression and Machine Learning	Offline	21-11-2026	10:15 AM	
128	Intelligent Systems	869	An Integrated Monitoring, Protection, and Market Coordination Framework for Active Distribution Networks with High DER Penetration	Offline	21-11-2026	10:30 AM	
129	Special Track 2	875	Cross-Subject Domain-Adversarial Temporal Convolutional Network for Explainable 30-Minute-Ahead Glucose Prediction from Wearable Sensor Data	Offline	21-11-2026	10:45 AM	
130	AI & ML	876	Uncertainty-Guided Adaptive Bitrate Allocation: A Feedback-Based Framework for Perception-Aware Sensor Networks	Offline	21-11-2026	11:00 AM	
131	Intelligent Systems	877	A Hybrid U-Net and Random Forest Framework for High-Accuracy Flood Boundary Extraction from Sentinel-2 Imagery in ArcGIS Pro	Offline	21-11-2026	11:15 AM	
132	AI & ML	499	A Unified GAN-Driven Framework for Robust Speech Representation Learning and Synthesis	Offline	20-11-2026	11:30 AM	
133	Signal Processing	880	MEDIFLOW-AI: Agentic Clinical Triage and Hospital Workflow Automation Framework	Offline	21-11-2026	11:45 AM	

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134	Special Track 2	881	Lexical Baselines vs. Contextual Transformers in Social Media Stress Detection: A Structural Partition Audit and Capacity Scaling Analysis	Offline	21-11-2026	10:00 AM	TRACK SESSION-15
135	Intelligent Systems	888	A Current Analysis of Vision Transformer for the Identification of Deepfakes	Offline	21-11-2026	10:15 AM	
136	AI & ML	925	Enhanced Data Security Model with Emerging Machine Learning Approach	Offline	21-11-2026	10:30 AM	
137	Computer Vision	939	Generative Deep Learning for Synthetic Biomedical Data Augmentation and Personalized Rehabilitation Assessment	Offline	21-11-2026	10:45 AM	
138	Computer Vision	940	Generative Neurorehabilitation Intelligence: A Cloud-Integrated Multimodal Deep Learning Framework for Synthetic Biomedical Data, Patient-Specific Assessment, and Adaptive Therapy Optimization	Offline	21-11-2026	11:00 AM	
139	Computer Vision	941	A Cloud-Based AI Framework for Early Detection of Mental Stress Using Multimodal Wearable Data	Offline	21-11-2026	11:15 AM	
140	Computer Vision	942	A Cloud-Enabled Artificial Intelligence Framework for Early Mental Stress Detection Using Multimodal Wearable Data	Offline	21-11-2026	11:30 AM	
141	Computer Vision	944	Cloud-Integrated Explainable AI for Early Disease Prediction and Adaptive Patient Health Monitoring	Offline	21-11-2026	11:45 AM	
142	Computer Vision	945	An Explainable Cloud-Integrated Artificial Intelligence Framework for Early Disease Prediction and Adaptive Patient Health Monitoring	Offline	21-11-2026	12:01 PM	

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IEEE CONFERENCE RECORD: 070090 LUCKNOW/INDIA/20-21 NOV 2026

Sr.No.	Track	Paper ID	Paper Title	Presentation Mode	Date	Time	Track Session (TS)
143	AI & ML	289	An Intelligent AI-Driven Surveillance Framework for Automated Weapon Detection and Threat Analysis in Financial Institutions	Online	20-11-2026	14:00 PM	TRACK SESSION-16
144	Data Science	507	Penrose-Tiled Rhombus PV Modules for Complex Rooftops: 40–97% Layout Density Gains and a Manufacturing Viability Threshold	Online	20-11-2026	14:15 PM	
145	Computer Vision	508	Distinguishing Weather Effects from Operational Underperformance in Grid-Connected PV Systems	Online	20-11-2026	14:30 PM	
146	Special Track 2	596	Bilinear-Pattern-Aware Hierarchical Network for Near-Field Wideband XL-MIMO Channel Estimation in 6G	Online	20-11-2026	14:45 PM	
147	AI & ML	597	Intelligent Underwater Plastic Waste Detection System	Online	20-11-2026	15:00 PM	
148	AI & ML	621	Image Based Recognition of Lupus Rashes Using Swin Transformer	Online	20-11-2026	15:15 PM	
149	Data Science	721	Beyond One-Size-Fits-All: Generative AI and the New Era of Personalized Higher Education	Online	20-11-2026	15:30 PM	
150	AI & ML	805	Post-Layout Scalability Analysis of 8-bit and 16-bit ALU Datapaths: A Comprehensive Study of Area, Power, and Timing Using Cadence Genus and Innovus	Online	20-11-2026	15:45 PM	
151	AI & ML	817	Technology Scaling and PPA Trade-offs in APB Interface Design: An RTL-to-GDSII Perspective	Online	20-11-2026	16:00 PM	

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Sr.No.	Track	Paper ID	Paper Title	Presentation Mode	Date	Time	Track Session (TS)
152	Computer Vision	329	Performance Evaluation of AODV Routing Protocol by Varying Vehicle Nodes in Vehicular Ad-Hoc Network over Real Map	Online	21-11-2026	10:00 AM	TRACK SESSION-17
153	AI & ML	346	Intelligent Swarm Coordination for Drone Light Shows under Stochastic Conditions	Online	21-11-2026	10:15 AM	
154	AI & ML	358	WavSent-MTL: Wavelet-Denoised Sentiment-Augmented Multi-Task Learning for Nifty50 Index Direction Forecasting	Online	21-11-2026	10:30 AM	
155	Intelligent Systems	452	AI-Enabled Blockchain Framework for Secure and Privacy-Preserving Healthcare Data Management	Online	21-11-2026	10:45 AM	
156	Data Science	502	Adaptive Resource Management in IoT Systems Using Reinforcement Learning-Based Controllers	Online	21-11-2026	11:00 AM	
157	AI & ML	503	Graph-Based Deep Learning Approach for Tracking and Measuring Suspicious Video Content Propagation Across Deep Web Networks	Online	21-11-2026	11:15 AM	
158	AI & ML	710	Cross-Dataset Evaluation of Deep-Learning Based Attention Framework for Cardiovascular Disease Prediction	Online	21-11-2026	11:30 AM	
159	AI & ML	725	AI-Driven IoT-Based Smart Farming: A Hybrid Regression–Classification XGBoost Framework for Crop Yield Prediction Using Cloud Computing	Online	21-11-2026	11:45 AM	
160	AI & ML	733	Framework for Deadlock-Avoided and Scalable Transactions in MongoDB	Online	21-11-2026	12:01 PM	

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161	Data Science	816	Optimize the Right Objective: Routing- and Contention-Aware Topology Synthesis for 3-D NOC Data Acquisition Systems	Online	20-11-2026	14:00 PM	TRACK SESSION-18
162	Intelligent Systems	542	Edge-Assisted Health-State Digital Twin for Multi-Sensor Predictive Maintenance with Selective Cloud Synchronization	Offline	20-11-2026	14:15 PM	
163	Signal Processing	849	Monitoring and Enhancement of Voltage Stability in the Presence of STATCOM and Solar PV System	Online	20-11-2026	14:30 PM	
164	AI & ML	859	Modelling and Performance Analysis of a DC Motor-Based Battery Electric Vehicle Drive System Using MATLAB Simulink	Online	20-11-2026	14:45 PM	
165	Intelligent Systems	408	Attention-Based Multimodal Explainable Skin Disease Diagnosis Using Vision Transformers and Clinical Metadata Fusion	Online	20-11-2026	15:00 PM	
166	AI & ML	405	Multi-Class Sleep Apnea Classification Using CNN–BiLSTM–Attention Deep Learning Framework	Online	20-11-2026	15:15 PM	
167	AI & ML	406	Explainable Cross-Age Parent-Child Kinship Identification Using Hereditary Region Attention	Online	20-11-2026	15:30 PM	
168	Special Track 2	468	NeonoAssess: An Explainable Multimodal Deep Learning Framework for Neonatal Pain Detection Using Facial Images and Cry Audio	Online	20-11-2026	15:45 PM	
169	AI & ML	518	A Hybrid Deep Feature Extraction and Quantum Learning Framework for Brain Tumor Diagnosis Using MRI Images	Online	20-11-2026	16:00 PM	
170	Computer Vision	752	Computational Studies of Airflow Patterns inside Normal and Tumorous Human Lung	Online	20-11-2026	16:15 PM	

If you have any query contact on Email ID: isddc@bbdnitm.ac.in