



IEEE International Conference

on

**Smart Power and Advanced Communication using Intelligent Data
Systems
(SPAC-AID 2026)**



11th & 12th September, 2026 | IPS Academy, Institute of Engineering & Science, Indore

TECHNICAL SESSION SCHEDULE

SESSION 1

Session Co-Chair: Prof. Deepesh Bhati (+91-9770067492), Dr. Nuzrat Sardar (+91-9131776455)

Date: 11 September 2026 | Time: 11:45 AM – 01:30 PM | Venue: Premium Audi | Duration: 10 Minutes

Session Link: <https://teams.microsoft.com/meet/483961606001144?p=Sd5LjpsbKa6uv55gWJ>

S. No.	Paper ID	Paper Title
1	11	An IoT-Enabled Smart Intrusion Detection and Real-Time Notification System with Arduino Integration
2	22	Development of an Intelligent BMS with Active Protection Control for DC Microgrid Applications
3	49	RL-Based Energy Management of Grid-Connected Hybrid Microgrid with BiLSTM Forecasting
4	52	Optimization of Solar Panel Tilt Angle for Maximum Energy Output
5	57	An Asynchronous RAG-Enabled Conversational Agent with CNN-BiLSTM for Scalable Intent Classification and Semantic Lead Retrieval
6	64	Hybrid Deep Learning Framework for Parkinson's Disease Detection Using Enhanced Handwriting Image Analysis
7	703	Grey Wolf Optimization Based Virtual Inertia Enhancement in DFIG for AGC of Interconnected Power Systems
8	737	Towards Automated Detection of Extreme Multimedia Narratives
9	818	Building Inclusive Human Capital through Government Skill Development for Women's Sustainable Employment in India



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SESSION 2

Session Co-Chair: Prof. Priya Pal (+91-7898292108), Prof. Subhash Kumar Mandal (+91-8602843648)

Date: 11 September 2026 | Time: 11:45 AM – 01:30 PM | Venue: Seminar Hall 1 | Duration: 10 Minutes

Session Link: <https://teams.microsoft.com/meet/451378268903523?p=YgudyTouLPBvX3vtx0>

S. No.	Paper ID	Paper Title
1	79	Comprehensive review of Adaptive Hybrid Technique for SOC Estimation and Its Significance in EV-based PV Connected Grid Integrated System
2	233	Predictive Energy Management in Autonomous EV Charging Networks Using Deep Learning
3	250	IoT-Driven Smart Healthcare System for Continuous Monitoring and Early Risk Detection in Dementia Patients
4	267	Performance Estimation of EMI Sensor Antennas in Laboratory Environment
5	304	Optimized Deep CNNs for Partial Discharge Monitoring
6	332	AI-Driven Generative Surrogate Framework for Multi-Scale Healthcare Interaction Modeling and Intelligent Clinical Prediction
7	345	An Ensemble Learning Framework for Predicting Long-COVID Risk Using Post-COVID Health Data
8	349	Comparative EEG-fNIRS Analysis for Subject-Independent Classification of Stroop Condition Using Block-Level and ROI-Based Features
9	819	Strengthening Women's Livelihood Security through Public Skill Ecosystems for Employment Transition among Socially Disadvantaged Communities in India



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SESSION 3

Session Co-Chair: Prof. Rajesh Babu Ahirwar (+91-7000394473), Prof. Roopesh Makwana (+91-9993299601)

Date: 11 September 2026 | Time: 11:45 AM – 01:30 PM | Venue: Seminar Hall 2 | Duration: 10 Minutes

Session Link: <https://teams.live.com/join/9387628574475?p=bTTE2kLoUARAgFzDna>

S. No.	Paper ID	Paper Title
1	367	Improved Renewable Energy Integration in Electric Vehicles Using Thermal and Hydraulic Generators and Moth–Flame Optimiser (MFO) algorithm
2	379	The Role of Machine Learning in Underground Power Cable Urbanization and Reliability
3	382	AI-Optimized Adaptive Reversible Quantum Approximate Multiplier for Energy-Efficient Nano-Scale IoT Edge Devices
4	417	Development of Deep Learning Models for Cardiac Disease Prediction Using ECG Signals
5	422	Deep Learning-Driven Rice Leaf Disease Classification Using EfficientNet-B3
6	425	From GPT-2 Inference Bottlenecks to SRAM-CIM Mapping: A Pre-Circuit Study of Projection Workloads
7	437	A Study on AI-Driven Diagnostics and Health Monitoring in Achieving SDG 3 Targets
8	440	Counterfactual Explainable Graph Attention Networks for Early Malware Behavior Detection Using API Call Interaction Graphs
9	820	From DNA to Data : Intellectual Property, Ethics and Governance of Genetic Technologies



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SESSION 4

Session Co-Chair: Md. Firoz Khan (+91- 9926500697), Dr. Sanjay Jain (+91-9179168260)

Date: 11 September 2026 | Time: 11:45 AM – 01:30 PM | Venue: Ground Floor Audi | Duration: 10 Minutes

Session Link: <https://teams.microsoft.com/meet/493327739645544?p=CIDidXMeK8pXluNtBq>

S. No.	Paper ID	Paper Title
1	442	Analyses of Fault in Power Line for Communication Applications using Simulink
2	443	QKD-UWOC System using Deep-Learning Model for Signal Quality Assessment in Various Underwater Conditions
3	449	Optimizing Hyperparameter Tuning in Machine Learning Using Metaheuristic Algorithms
4	484	Graph Attention Networks for Real Time Fraud Ring Detection in UPI Based Digital Payment Systems
5	495	Lightweight Attention-Enhanced Deep Learning Framework for Real-Time Face Recognition on Edge Devices
6	497	Hybrid Genetic-Wavelet Packet-Neural Network Approaches for AI-Based English Communication Learning
7	506	Grid-Connected PV-Fed Bidirectional EV Charging System Using Dual Active Bridge Converter for G2V and V2X Applications
8	587	Mobility Resilient QSM-OTFS-RIS Communication Framework for Bloakage Aware-Smart City Networks
9	821	Genetic Sovereignty and global inequality: Regulating Biotechnology in the global south



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SESSION 5

Session Co-Chair: Dr. Kavita Soni (+91-9630786207), Dr. Saroj Raghuwanshi (+91-9827848883)

Date: 11 September 2026 | Time: 03:00 PM – 05:15 PM | Venue: Seminar Hall 1 | Duration: 10 Minutes

Session Link: <https://teams.microsoft.com/meet/451378268903523?p=YgudyTouLPBvX3vtx0>

S. No.	Paper ID	Paper Title
1	588	Dual-Band CDRA for Sub-6 GHz 5G NR Applications with Enhanced Radiation Efficiency
2	612	Composition- and Thickness-Dependent Electrostatic Analysis of ScAlN/GaN HEMTs
3	656	Student's Emotion Recognition by Speech Analysis using Fuzzy Logic System and Deep Learning methods
4	670	VMD-SEFuseNet: Variational Mode Decomposition with Squeeze-Excitation Feature Fusion Network for Intelligent Five-Class Transformer Inrush and Fault Current Discrimination
5	672	Fed-HySiTNet: A Federated Hybrid Siamese Transfer Learning Network for Privacy-Preserving Brain Tumor Classification
6	681	Hybrid Impedance-Feature Based Fault Location Estimation for Series-Compensated Double-Circuit Transmission Lines with Renewable Energy Integration
7	685	DAH-N-FOPID-DSTATCOM: Deep Adaptive Hierarchical Network with Colony Predation Algorithm and Runge Kutta Optimizer for Power Quality Enhancement in Grid-Connected Hybrid Renewable Energy Systems
8	708	HCAS: A Hybrid Grey Wolf Optimizer–Deep Q-Network Scheduler for Carbon-Aware Sustainable Cloud Computing
9	811	Leveraging Artificial Intelligence Tools for Workforce Attrition Analysis in Human Resource Management within Hyderabad's IT Sector
10	823	Surveillance capitalism and constitutional rights : rethinking privacy in the age of Algorithmic governance



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SESSION 6

Session Co-Chair: Dr. Kavita Upadhyay (+91-9827272200), Prof. Garima Maheshwari (+91-7509974000)

Date: 11 September 2026 | Time: 03:00 PM – 05:15 PM | Venue: Seminar Hall 2 | Duration: 10 Minutes

Session Link: <https://teams.live.com/meet/9387628574475?p=bTTE2kLoUARAgFzDna>

S. No.	Paper ID	Paper Title
1	609	Optimizing Television Audience Forecasting and Recommendations: Integrating AI Clustering, Enhanced Snake Optimization, and Machine Learning Models
2	734	SQL Injections: Understanding Vulnerabilities and Effective Prevention Strategies
3	756	Comparative Analysis of TabNet, Support Vector Machine, and Logistic Regression for Automated Liver Cirrhosis Stage Classification
4	762	CSF-Net: A ConvNeXt–Swin Dual-Stream Fusion Network for Tomato Leaf Disease Detection in Field and Curated Imagery
5	770	Design and Implementation of an Ultra-Low Power FSM-Based IoT Sensor Node Controller Using Unified Power Management
6	796	Enterprise Identity and Access Management in Microservices-Based Cloud Systems
7	806	A novel based deep learning approach to court decisions and identifying biases using AI for justice
8	810	Interaction between General Anti avoidance rules and Double Taxation Avoidance Agreements
9	812	Towards a Smarter Diagnosis: Predicting Heart Disease with Machine Intelligence
10	814	Geospatial AI Framework for Intelligent Land Acquisition and Fair Compensation in the States of Punjab and Himachal Pradesh



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SESSION 7

Session Co-Chair: Prof. Kamlesh Gupta (+91-9893243760), Prof. Ritesh Gupta (+91-9893234328)

Date: 11 September 2026 | Time: 03:00 PM – 05:15 PM | Venue: Premium Audi | Duration: 10 Minutes

Session Link: <https://teams.microsoft.com/meet/483961606001144?p=Sd5LjpsbKa6uv55gWJ>

S. No.	Paper ID	Paper Title
1	76	Adaptive Federated Reinforcement Learning Based Energy Management of Grid-Connected Hybrid Microgrid with TFT-Assisted BiLSTM Forecasting
2	282	Dynamic Tau-Aware Firmware Scheduling Using LogicFolding-Inspired DAG Optimization on ARM CortexM7 Embedded Systems
3	432	Design and Analysis of a Compact Circular SRR-Inspired Microstrip Patch Antenna for X-Band Applications
4	494	TrustGraph-6G: Graph Neural Network-Driven Secure Resource Orchestration with Distributed Trust Propagation for AI-Native 6G-IoT Networks
5	669	Dynamic Differential Evolution with Chaotic Local Search for Accurate Photovoltaic Model Parameter Estimation
6	728	PoshanDrishti: A Dual-Modal Edge AI Framework for Early Childhood Malnutrition Detection and Nutritional Decision Support in Resource-Constrained Rural Communities
7	735	An Efficient Improved Tunicate Swarm Optimization (ITSA) Algorithm for Non-Convex Economic Dispatch with Valve-Point Loading Effects
8	757	Comparative Evaluation of DenseNet201, ResNet50, and Xception for Automated Cervical Cancer Classification using Transfer Learning
9	817	Bridging the Blue Divide: Capacity Building and Transfer of Marine Technology under BBNJ
10	822	Knowledge Graph Based Legal Intelligence for Transparent Land Acquisition in the States of Punjab and Himachal Pradesh



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SESSION 8

Session Co-Chair: Dr. Vandana Dubey (+91-9131544401), Prof. Ankita Singh (+91-7999822719)

Date: 11 September 2026 | Time: 03:00 PM – 05:15 PM | Venue: Ground Floor Audi | Duration: 10 Minutes

Session Link: <https://teams.microsoft.com/meet/493327739645544?p=CIDidXMeK8pXluNtBq>

S. No.	Paper ID	Paper Title
1	50	Hybrid Machine Learning Framework for Accurate Power Generation Forecasting in Solar-Wind Energy Systems
2	54	Machine Learning Based Refrigerator Leak Detection System For maintain Food Quality
3	84	Hybrid Quantum-Inspired Framework for Accurate Solar-Wind Power Forecasting in Smart Grid Systems
4	215	Automatic IoT-Based Accident Detection and Alerting System
5	676	Adaptive Virtual Synchronous Generator Control for Transient Stability Enhancement in Renewable Energy Integrated Power Systems: A Baseline and Dynamic Comparative Analysis
6	713	Quality-Aware Effect-Tracked Feature Engineering Under a Distributive Constraint Lattice with SSA-FA Optimization for Supply Chain IoT Monitoring
7	743	Graph Neural Federated Learning with Digital Twin-Assisted Adaptive Privacy for Secure Healthcare Monitoring in 6G Internet of Medical Things
8	751	Modeling and Simulation of Integrated Renewable Energy Systems Incorporating Wind, Solar and Soil Energy
9	755	Deep Learning-Based Adaptive Modulation and Coding Optimization for BER Improvement in OFDM Systems Using LSTM Networks
10	826	Coding the Commons: Artificial Intelligence, Common Heritage of Humankind and the BBNJ Regime



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SESSION 9

Session Co-Chair: Dr. Indra Kumar Shah (+91-9407137191), Prof. Poonam Lihare (+91-9827975663)

Date: 12 September 2026 | Time: 10:50 AM – 12:50 PM | Venue: Seminar Hall 1 | Duration: 10 Minutes

Session Link: <https://teams.microsoft.com/meet/494292198846968?p=wimYtmiPza5UOTPz3B>

S. No.	Paper ID	Paper Title
1	334	Artificial Intelligence in Education: A Study of Mental Health and Psychological Wellbeing
2	727	An Analytical Study of Database Models for Scalable and Secure Data Management
3	733	Continuation-Based Nonlinear Stability Boundary Tracing for High PV Penetration Power Systems: Bifurcation Analysis, Inverter Parameter Effects, and Multi-Dimensional Stability Maps
4	758	Generative AI Approach to Personalized Cybersecurity
5	763	A Deep Learning Framework for Automated Detection and Classification of Building Surface Defects
6	795	Designing Data-Driven Financial Planning and Forecasting Systems for Enterprises
7	809	A Critical Analysis of Euthanasia as a Constitutional and Human Rights Conundrum Under Right to Life
8	824	Smart Seas and Silent Laws: Artificial intelligence in monitoring, Compliance and Enforcement under BBNJ



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SESSION 10

Session Co-Chair: Dr. Sandeep Rangi (+91-9643050856), Prof. Dharmendra Yadaw (+91-8959892864)

Date: 12 September 2026 | Time: 10:50 AM – 12:50 PM | Venue: Seminar Hall 2 | Duration: 10 Minutes

Session Link: <https://teams.live.com/join/9345563776652?p=P3g7FqkrkwAum5lWxz>

S. No.	Paper ID	Paper Title
1	132	An Advanced Hybrid Deep Learning Framework for Ransomware Detection
2	761	SAFT-Net: A Spectro-Acoustic Fusion Transformer for HVAC Acoustics Monitoring
3	765	Tacura: A Low-Cost Audio-Tactile Braille-Based Assistive System for the Visually Impaired
4	769	Power-Optimized IEEE-754 Compliant Floating-Point Adder Using Dual-Path Architecture and Explicit Operand Isolation with Static Timing Analysis Validation
5	771	Advanced Hybrid Machine Learning Model for Forecasting of Renewable Distributed Power Generation
6	772	A Comprehensive Review on Hybrid Ensemble Learning in Early Brain Tumor Diagnosis
7	774	An Intelligent Machine Learning Approach for Fault Detection and Predictive Maintenance of Industrial Motors
8	775	Design and Development of an Intelligent Neural Network-Based Interleaved High-Gain Boost Converter for Solar Photovoltaic Systems



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SESSION 11

Session Co-Chair: Dr. Sharad Jain, Prof. Hemant Meher

Date: 12 September 2026 | Time: 10:50 AM – 12:50 PM | Venue: Premium Audi | Duration: 10 Minutes

Session Link: <https://teams.microsoft.com/meet/414174905771426?p=Z12vOcjyUXk8Q9OoR2>

S. No.	Paper ID	Paper Title
1	122	NeuroFusionNet: A CNN–Transformer Framework for MRI-Based Classification of Parkinson’s Disease and Dementia
2	657	Design and Performance Evaluation of a Compact 5.2 GHz Microstrip Patch Antenna for IoT Applications
3	776	AI-Driven Fault Detection and Classification for Intelligent Smart Power Distribution Networks
4	777	Machine Learning-Based Adaptive Distance Protection Scheme for Performance Analysis and Fault Detection in Transmission Lines
5	715	Modeling and Development of a Raspberry Pi-Based Automated Microbial Counting and color Detection System
6	798	Intelligent Cloud-Native Architectures for AI-Driven Data Governance and Scalable Financial Analytics
7	849	Predictive Structural and Modal Analysis of Differential Gearbox Using Machine Learning and Finite Element Analysis
8	851	BESS-Assisted Intelligent Power System Stabilization and Grid Export Capability Enhancement for Renewable Energy Integration



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SESSION 12

Session Co-Chair: Dr. Nitin Jain (+91-9926699328), Prof. Namrata Atre (+91-9993028483)

Date: 12 September 2026 | Time: 10:50 AM – 12:50 PM | Venue: Ground Floor Audi | Duration: 10 Minutes

Session Link: <https://teams.microsoft.com/meet/494292198846968?p=wimYtmiPza5UOTPz3B>

S. No.	Paper ID	Paper Title
1	82	Automated T-Sheet Ingestion and Reconciliation Pipeline: Eliminating Data Integrity Gaps in Campus Recruitment Systems
2	491	Real-Time Crop Disease Detection Using Convolutional Neural Networks and Flask Application
3	753	Comparative Analysis of Threshold Voltage and Current Characteristics in AlGa _N /Ga _N , InAl _N /Ga _N , and ScAl _N /Ga _N HEMT-Based Sensors
4	759	Performance Evaluation of a GWO Tuned IGCT - DVR for Voltage Sag Mitigation in Distribution Systems
5	760	Integrating Sanskrit's Grammatical Structure into Statistical Language Modeling and Lexical Analysis
6	764	Diagnosis and Remediation of Newton-Raphson Load Flow Divergence in the IEEE 300-Bus Power System
7	825	Genomes Beyond Borders: Antarctic Icefish, Himalayan EPAS1 and the Emerging Biological Value of Marine Genetic Resources under BBNJ
8	807	A Predictive Analytics Model Using Artificial Intelligence for Workforce Attrition Control in Human Resource Management Systems in Hyderabad



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SESSION 13

Session Co-Chair: Dr. Ashish Nim (+91-9770051832)

Date: 12 September 2026 | Time: 10:50 AM – 12:50 PM | Venue: Placement Audi | Duration: 10 Minutes

Session Link: <https://teams.live.com/join/9323866507780?p=g0RmLsBG2NLxvGM1ao>

S. No.	Paper ID	Paper Title
1	80	Sustainable Irrigation Through Stand-Alone Solar Diesel Hybrid Energy Systems: A Comprehensive Review Electrical and Power System Engineering
2	81	Design and Optimization of a Stand-Alone PV Diesel Battery Hybrid Microgrid for Sustainable Agricultural Irrigation Using MATLAB.
3	230	Green Software Engineering: A Systematic Review of Sustainable Practices and Challenges
4	261	Integrated Sensor-Based Real-Time Environmental Hazard Detection and Monitoring System
5	329	Swin Transformer based Multi Level Traffic Violation Recognition from Surveillance Images
6	347	Adaptive Urban Traffic Monitoring System Using Yolov8 & Deep Sort For Tier-II Indian Smart Cities
7	402	AgriBot: An Autonomous Robot for Greenhouse Crop Surveillance and AI-Based Disease Detection
8	451	Bio-Inspired Optimization Algorithms for Digital Image Authenticity Verification: A Comprehensive Review
9	710	CNN and Transfer Learning Framework for Intelligent Parking Space Recognition and Smart City Management



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SESSION 14

Session Co-Chair: Prof. Namrata Nebhnani (+91-9926389273), Prof. Rudrakshi Sharma (+91-8770814647)

Date: 12 September 2026 | Time: 02:30 PM – 04:30 PM | Venue: Seminar Hall 1 | Duration: 10 Minutes

Session Link : <https://teams.microsoft.com/meet/494292198846968?p=wimYtmiPza5UOTPz3B>

S. No.	Paper ID	Paper Title
1	131	An Enhanced EfficientNetB2 Framework for Robust Thyroid Disease Detection and Early Diagnosis
2	831	Distributed Compute and Inference Orchestration Frameworks for Scalable Multi-Agent Enterprise AI Decision Systems
3	833	Multi-Agent Explainable Pricing Intelligence Framework for Real-Time Dynamic Pricing and Revenue Optimization in Enterprise Digital Commerce Ecosystems
4	835	Contextual Intelligence Framework for Dynamic Pricing and Inventory Synchronization in Enterprise Commerce
5	804	Design and Validation of Medical Devices: A Regulatory-Compliant Framework for Clinical Safety
6	808	Cross-Border Insolvency in Digital Commerce Challenges for Jurisdiction and Recognition
7	816	Digital Oceans and Ecological Sovereignty: Reimagining MPAs and ABMTs in the Technological Era
8	839	Design and Implementation of High-Performance Network-on-Chip Router with XY Routing Algorithm and Crossbar Switch Architecture



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SESSION 15

Session Co-Chair: Dr. Manoj Gupta(+91-7599448075), Dr. Shivendra Tiwari (+91- 7770932361)

Date: 12 September 2026 | Time: 02:30 PM – 04:30 PM | Venue: Seminar Hall 2 | Duration: 10 Minutes

Session Link: <https://teams.live.com/meet/9345563776652?p=P3g7FqkrkwAum5lWxz>

S. No.	Paper ID	Paper Title
1	135	An Enhanced Structural–Semantic Representation Learning Framework for Intelligent Document Image Categorization
2	725	HADNet: A Hybrid Attention-Driven Deep Network with Whale-Optimized Ensemble for Multi-Stage Alzheimer's Disease Classification
3	781	Design and Analysis of an Intelligent ML-Based Battery Management System for Real-Time EV Optimization
4	797	Designing High-Throughput Financial Systems Using Microservices and Cloud Technologies
5	815	Agentic AI for Intelligent Socio-Legal Decision Support in Public Land Acquisition
6	841	Design and implementation of dual battery management system for electrical vehicle power optimization and battery life improvement
7	843	Design and Analysis of a Machine Learning-Based Regenerative Energy Recovery System for Building Elevators
8	845	A Hybrid Machine Learning Framework for Real-Time Battery Health Prediction, and Energy Optimization in Electric Vehicles
9	847	AI-Based Energy and Water Quality Optimization of Conventional Water Treatment Plants



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SESSION 16

Session Co-Chair: Dr. Angita Hirwe (+91- 9893708618), Prof. Vaishali Ghune (+91-8817032827)

Date: 12 September 2026 | Time: 02:30 PM – 04:30 PM | Venue: Premium Audi | Duration: 10 Minutes

Session Link: <https://teams.microsoft.com/meet/414174905771426?p=Z12vOcJyUXk8Q9OoR2>

S. No.	Paper ID	Paper Title
1	102	An Intelligent Fine-Tuned 1D-CNN Framework for Robust Water Quality Classification with SMOTE-Based Class Balancing
2	142	An Enhanced EfficientNetB3 Framework for Robust Grape Leaf Disease Diagnosis in Precision Farming Systems
3	359	Physics-Informed Deep Harmonic Intelligence Framework for Predictive Fault Diagnosis in Oscillatory Induction Motor Drive Systems
4	401	Bi-LSTM Sequence Learning for Murmur Pattern Identification from PCG Signals
5	716	MLEMM: A Machine Learning-Based Energy Management Model for Multi-Dimensional Quality of Service Enhancement in Smart Grids
6	800	Scalable API-Driven Integration Architectures for Enterprise Systems
7	802	Optimizing Supply Chain Performance Using Data-Driven Forecasting Model
8	842	Machine Learning-Based Reactive Power Control for Enhanced Voltage Stability and Grid Performance in Large-Scale Wind Farms
9	848	A Deep Learning Based Approach for Ultra-Short-Term Electric Vehicle Charging Load Forecasting



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SESSION 17

Session Co-Chair: Dr. Amiteshwar Bhalavi (+91-9826464845), Prof. Smita Patil (+91-9893915329)

Date: 12 September 2026 | Time: 2:30 PM – 4:30 PM | Venue: Ground Floor Audi | Duration: 10 Minutes

Session Link: <https://teams.microsoft.com/meet/494292198846968?p=wimYtmiPza5UOTPz3B>

S. No.	Paper ID	Paper Title
1	90	Fine-Tuned ResNet50-Based Deep Residual Learning for Automated Pharmaceutical Drug and Vitamin Recognition
2	114	Deep Learning-Based Multiclass Cervical Cell Classification Using an Optimized Xception Architecture
3	799	Responsible and Governed AI as the Foundation for Trustworthy AI in Life Sciences
4	801	Designing End-to-End Revenue Lifecycle Systems Using Enterprise Cloud Platforms
5	803	Integrating Generative AI with Enterprise Performance Management for Data Optimization
6	813	AI-Driven Zero-Trust Identity and Access Management Framework for Secure Cloud-Native Enterprise Applications
7	850	Machine Learning-Assisted Multi-Material Structural Optimization of an Automotive Drive Shaft Using Finite Element Analysis
8	852	Advanced Drive Systems in Electric and Hybrid Electric Vehicles



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SESSION 18

Session Co-Chair: Dr. Manish Dubey (+91-9754568278), Prof. Kamlesh Gupta (+91-7880014601)

Date: 12 September 2026 | Time: 2:30 PM – 4:30 PM | Venue: Placement Audi | Duration: 10 Minutes

Session Link: <https://teams.live.com/join/9323866507780?p=g0RmLsBG2NLxvGM1ao>

S. No.	Paper ID	Paper Title
1	183	Artificial Neural network-based Prediction of Lithium-ion Battery Remaining Useful Life for Electric Vehicle Applications
2	210	Deep Learning–Based Predictive Battery Management for Renewable Energy Systems
3	236	Reactive Power Control Strategies For Performance Enhancement In Large Wind Farms
4	342	A Comprehensive Study of Lithium-Ion Battery Pack Charging Characteristics
5	369	Data-Driven Prediction of Optimal Solar PV Tilt Angle and Energy Yield Assessment Using Monthly Irradiance Data
6	387	Development and Implementation of a Cascaded NX Boost Converter for High-Efficiency PV-Based AC Microgrid with Hybrid Battery Supercapacitor Energy Storage System
7	405	Grid Connected Solar Generation and Battery Management System for Stability Enhancement
8	421	AIMM-Net: Adaptive Intelligent Mathematical Modeling Network for Real-Time Optimization and Predictive Decision-Making in Smart Industrial Systems
9	789	Design of Low-Power Sparse Prefix Adder for High-Speed VLSI Application