

## Session 2025-26

### Department of Artificial Intelligence & Machine Learning

#### INDEX

#### Faculty Paper Publication

Sr.No.	Name of Faculty	Title	Publication	Session	Indexing
1	Prof. Sanghpal Sarkate	Iterative Bio Inspired Load Prediction And Balancing Framework for Smart Healthcare IoT Using Multi-Objective Optimization	Fostering Interdisciplinary Collaboration: Challenges and Opportunity	2025-26	Peer Review
2	Prof. Suraj Mahajan	Review on Smart Grid Energy Distribution and Power System Management Using IoT Technology	MRI INDIA	2025-26	Research Gate
3	Prof. Suraj Mahajan	Addressing diagnostic resource imbalance in pulmonary tuberculosis detection from chest radiographs through cost-aware learning	Indian Journal of Tuberculosis	2025-26	Scopus Journal
4	Prof. Suraj Mahajan	Review on Real Time Monitoring System for Medical Treatment Using Smart Syringe Pump	ICRIPE2025	2025-26	isteonline Journal
5	Prof. Chetan Jambhulkar	Advanced optimization strategies for resilient and cost-efficient hydrogen-based AC/DC microgrids with integrated RES and BESS	PII: S2772-6835(25)00058-5	2025-26	Peer Review
6	Prof. Chetan Jambhulkar	Multi-Port DC-DC Power Converter for Renewable Energy Application, International Journal for Research in Applied Science & Engineering Technology	IJRASET	2025-26	Peer Review
7	Prof. Shital Dandade	Large Language Models (LLMs) and Their Societal Impact	AICTE VAANI	2025-26	Peer Review
8	Prof. Suraj Mahajan	Convolutional Neural Network-Based Phyto pathological Diagnostic Framework for Precise Plant Disease Identification and Classification.	MRI INDIA	2025-26	Research Gate
9	Prof. Suraj Mahajan	Early Detection and Predictive Analysis of Parkinson's Disease: A Comprehensive Review of Machine Learning and Deep Learning Approaches	MRI INDIA	2025-26	Research Gate
10	Prof. Suraj Mahajan	Intelligent object detection using bio inspired convolutional Kalman Neural Network	eBook ISBN9781003567653	2025-26	CRC Press
11	Prof. Suraj Mahajan	Intelligent Real-Time Infusion Monitoring with Smart Syringe Pump for Clinical Application	ICACEBD-25	2025-26	Scopus Conference



12	Prof. Suraj Mahajan	A Comparative Analysis of Human Activity Recognition Models Using Deep Learning, STGCN, and Secure Sense Frameworks	ICACEBD-25	2025-26	Scopus Conference
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