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Department of Artificial Intelligence

Details of research papers 2025-2026

Title	Journal	Conference
Advanced machine learning techniques for credit card fraud detection		Scopus Conference (TaylorFrancis)
Artificial Rabbit Optimization Algorithm for Enhancing Energy Efficiency and Routing Reliability in Wireless Sensor Networks	National Academy Science Letters	Journal/Springer (First Author) National Academy Science Letters
Data Driven Mental Health Predicting Depression Using Machine Learni	IEEE	
Efficient Routing for Internet of Things to Reduce Energy Consumption in the Network	jisem	
Cooperative Routing for Energy Harvesting Wireless Power Transfer in	SCI (Q1)Energ	Wiley
Adaptive AI-enhanced computation offloading with machine learning for QoE optimization and energy-efficient mobile edge systems	Scientific Report SCI(Q1)	Scientific Report
An Extensive Investigation on Lyapunov Optimization-based Task Offloading Techniques in Multi-access Edge Computing	Springer Nature	
Integrating Quantum Network Optimization into Queueing and Scheduling Models for Cloud Computing Environments		
Enhanced Thermal Object Tracking in Search and Rescue Missions Using Adaptive 3D Kalman Filtering		2025 3rd International Conference on Device Intelligence, Computing and Communication Technologies (DICCT)
Automated Disease Detection of Rice Crops Through Video Recognition		2025 3rd International Conference on Device Intelligence, Computing and Communication Technologies (DICCT)

Optimized Control Strategies for Shunt Active Power Filters in Aircraft Electrical Systems		
Energy-proficient Task Offloading in Multi-Access Edge Computing using Lyapunov Optimization.	International Energy Journal	

Book Chaper	ISSN/ISBN, Page No, Year of Publication	Indexing (Scopus/WoS), if not index, write no	Department in abbreviation	DOI (in the form of link)
Yes	9781003530176, Page No-5, 2025	Scopus	AI	https://www.taylorfrancis.com/chapters/edit/10.1201/9781003530176-91/advanced-machine-learning-techniques-credit-card-fraud-detection-abha-kumari-ishita-pandey-vanshika-gupta-yash-veer-singh
	Third Revision Submitted	SCI	AI	https://doi.org/10.1007/s40009-025-01796-y
	2025	scopus	CS-AI	https://doi: 10.1109/ICDSBS63635.202
	2468-4376	Scopus	CSE	https://www.jisem-journal.com/
	ISSN: 2194-4288 (	SCOPUS and \	AI	https://doi.org/10.1002/ente.20250042
	May 2025	SCI	AI	https://doi.org/10.1038/s41598-025-00409-4
	June 2025	SCIE	AI	https://doi.org/10.1007/s42979-(
Yes	June 2025	Springer Series	AI	https://doi.org/10.21203/rs.3.rs-6778588/v1
	Page No: 688-693 March 2025	Scopus	AI	10.1109/DICCT64131.2025.10986725
	Electronic ISBN:979-8-3315-4335-8 May 2025	Scopus	AI	10.1109/DICCT64131.2025.10986719

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	ISSN: 1513-718Xm Page 133 MAY 2025	ESCI	AI	10.64289/iej.25.01a05.7874501

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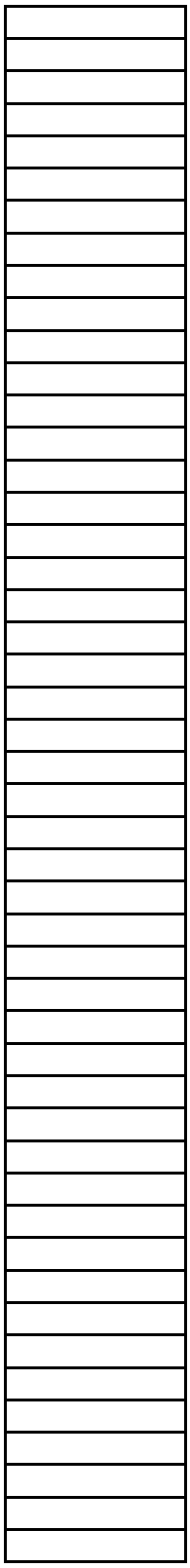

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Details

S.No.	Name of the faculty	Patent Application No.	Status of Patent (Published/Granted)	Inventor(s) Name as per sequence mentioned on the patent
1	ARTI TIWARI	462337-001	Under Process	1. Mr. T. Akilan 2. Dr. M. Chandraprabha 3. Dr. Jaya Sinha 4. Ms. Preeti Katiyar 5. Ms. Arti Tiwari
2	DR YASH VEER SINGH	2.02521E+11	PUBLISHED	1 . Ms. Divya Chouhan2 . Mr.
3	DR YASH VEER SINGH	2.02511E+11	PUBLISHED	1 . Ms. Heena Khera2 . Dr. Za
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AI-BASED INTRUSION DETECTION AND PREVENTION DEVICE	1. Mr. T. Akilan 2. Dr. M. Chandraprabha 3. Dr. Jaya Sinha 4. Ms. Preeti Katiyar 5. Ms. Arti Tiwari	15/06/2025	Published
Harmeet Singh3 . Ms. Pa	1 . Ms. Divya Chouhan2	30-05-2025	Published
A SYSTEM AND METHOD FOR DENGUE FEVER OBSERVATION, DIAGNOSIS, AND PREVENTION POWERED BY ARTIFICIAL INTELLIGENCE, MACHINE LEARNING, DEEP LEARNING AND THE INTERNET OF THINGS	1 . Ms. Heena Khera2 . I	27-06-2025	Published