

Galgotias College of Engineering and Technology

Department of Artificial Intelligence

Research data academic year 2024-2025

Sr. No	Authors	Title	Journal and publisher name	Volume, Issue, ISSN, Page No, Year of Publication	Indexing (SCIE/SSCI/AHCI/ESCI/Scopus), if	Department in abbreviation	Session	DOI (in the form of link)
1	Vandana Rani Verma, Dinesh Kumar Nishad, Vishnu Sharma, Vinay Kumar Dinesh Kumar	Quantum machine learning for Lyapunov-stabilized computation offloading in next-generation MEC networks	Scientific Reports	Volume 1, 2025	SCI	AI	2025	https://doi.org/10.1038/s41598-024-84441-w
2	Nishad, Vandna Rani Verma, Pushkar Rajput, Sandeep Gupta, Anurag	Adaptive AI-enhanced computation offloading with machine learning for QoE optimization and energy-efficient mobile edge systems	Scientific Reports	2025	SCI	AI	2025	https://doi.org/10.1038/s41598-025-00409-4
3	<u>Verma, Vandna Rani;</u> <u>Verma, Anshul;</u> <u>Sharma, Vishnu;</u> <u>Pushkar; Nishad, D. K.</u>	Energy-proficient Task Offloading in Multi-Access Edge Computing using Lyapunov Optimization.	International E	Vol 25, page 133,	ESCI	AI	2025	https://shorturl.at/51awj

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1	Pawan Kumar Chaurasia, Dhirendra Pandey, Alka & Vandana Rani Verma	Bio - Medical Waste Management: Deep Learning Approach	Springer Nature	2431, pp. 94-106, 2025	Scopus	AI	2025
2	Nishad, Dinesh Kumar, Saifullah Khalid, A. N. Tiwari, and Vandna Rani	Optimized Control Strategies for Shunt Active Power Filters in Aircraft Electrical	IGI Global Scientific	pp. 201-234, 2025	Scopus	AI	2025
3	Harsh Kumar Upadhyay, Vaibhav Singh, Vikram Bali, Sarvagya Pandey, Vandna Verma, D.K. Nishad	Enhanced Thermal Object Tracking in Search and Rescue Missions Using Adaptive 3D Kalman Filtering	IEEE Explore, 2025 3rd International Conference on Device Intelligence, Computing and Communication Technologies (DICCT).	pp. 688-693., 2025	Scopus	AI	2025
4	Vishnoi, Poorva, Abhishek Jaiswal, Kirti Patel, and Vandna Rani Verma.	Automated Disease Detection of Rice Crops Through Video Recognition	IEEE Explore, 2025 3rd International Conference on Device Intelligence, Computing and Communication Technologies (DICCT)	pp. 694-697, 2025	Scopus	AI	2025

DOI(in theform of link)
https://doi.org/10.1007/978-3-031-88042-1_8
10.4018/979-8-3693-6035-4.ch006
10.1109/DICCT64131.2025.10986725
10.1109/DICCT64131.2025.10986719

Galgotias College of Engineering and Technology

Department of Artificial Intelligence

Research data academic year 2024-2025

S.No.	Author(s). In sequence as	Title	ConferenceName and itsdetails	ISSN/ISBN,Page No, Year	Indexing(Scopus)	ment in	Session	DOI(in theform of link)
1	Shachin Singh, Shachi Mall; TS. Arthi; Deepak Srivastava; Laith Hussein	Agricultural Innovations using IOT – A Comprehensive Review	Algorithms and Computational Theory for Engineering Applications	Electronic ISBN:979-8-3503- 5681-6 / Feb 2025	Scopus	AI	February 2025	DOI: 10.1109/ICAC2 N63387.2024.10 895646 — https://ieeexplor
2	TS. Arthi, Karishma Arora, D. Vinotha Yuvaraj Renu	Deepfake Video Detection Using Mouth Movement Technology	2024 1st International Conference on Advances in Computing, Communication and Networking (ICAC2N)	Electronic ISSN: 2522-8722 / January 2025	Scopus	AI	January 2025	https://doi.org/1 0.1007/978-3- 031-72747- 4_21 https://link.sprin
3	Dr. Priyanka Tyagi, Ms. Kajol Mittal	Digital Twin Technology in Healthcare: Benefits and Security Considerations	Book: Artificial Intelligence and Cybersecurity in Healthcare Book Chapter	Online ISBN:97813942298 26	Scopus	AI	February 2025	https://doi.org/1 0.1007/9781394 229826.ch21
4	Mani Dwivedi, Anuj Kumar Dwivedi	Interactive Agent Foundation Model: A Meta- Learning Strategy	ISACC2025	979-8-3315-2389- 3/25/\$31.00 ©2025 IEEE	Scopus	AI	February 2025	10.1109/ISACC 65211.2025.109 69383
5	Sreenu Banoth, Vineesha, Hari Shankar Punna, Mathiyalagan , Vijay Prakash and Jasmin	Edge ComputingArchitectures for Low-L	Harnessing Innovation for Sustainability in Computing and Engineering Solutions (ICSICE- 2025), ITM Web of Conferences 76, 03003 (2025)	Online	WOS	AI	March 2025	https://www.itm = conferences.org/ articles/itmconf/ abs/2025/07/itm
6	Vijay Prakash, Palak Tomar, Avni Sharma, Parth Singh	3rd International Conference AI-Driven I	-Based Recommendation SystemFor E	Online		AI	April 2025	

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Department of Artificial Intelligence

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S.No.	Patent Application No.	Status of	Inventor(s) Name as	Title of the Patent	Applicant/s name	Patent
1	2.02541E+11	Published	2)Dr. T. R. Muhibur Rahman 3)Dr. M. L. M. Prasad 4)Mr. Vijay Prakash 5)Ramkumar Ramasway 6)Prof. A. R. Pradnyavant 7)Dr. S. Prakash 8)Dr. V T	Next Generation Secure IoT Fog Computing with an Integrated Blockchain Framework	Vijay Prakash	:12/03/2025
2	6425391	Published	Dr. Pallavi Goel, Dr. Pranav Shrivastava, Manoj Kumar Dixit, Vijay Prakash , Mohit Mittal, Mr. Manish Kumar Sharma	Computing Device for Enhancing Edge Computing Efficiency	Vijay Prakash	#####
3	2.02541E+11	Published	Suryawanshi 2)Dr. K Sandhyarani Kundra 3)Dr. Bechoo Lal 4)Mrs. Shweta Anand Joshi 5)Mr. Vijay Prakash 6)Ramkumar Ramasway 7)Mrs. R. Ashwini 8)Dr. V T Krishnaprasath	Secure and Scalable IoT Data Analytics with Blockchain and Differential Privacy	Vijay Prakash	:12/03/2025

Patent
21/03/2025
03 March 2025
28/03/2025