

Journal Papers Published
Academic Year – 2021-22
(01st July 2021 – 30th June 2022)

S. No.	Title of the Paper	Name of the Author/S	Name of the Journal	Month and Year of Publication	ISSN Number	DOI	Publisher
1	Experimental Modeling of the Residual Energy of a Rechargeable Battery-Powered Node in Wireless Networks	Dr. Naseeruddin	Arab Journal of Basic and Applied Sciences – Q2	September 2021	2588-9214	https://doi.org/10.34028/iajit/18/5/6	Taylor & Francis
2	Effective Human Activity Recognition Using Machine Learning	Dr. Abdul Lateef Haroon P S	Journal of Robotics and Control (JRC) – Q2	September 2021	2715-5056	https://doi.org/10.18196/jrc.25113	Peneliti Teknologi Teknik Indonesia (PTTI)
3	Human activity recognition using significant skeletal joints	Dr. Abdul Lateef Haroon P S	International Journals of e-Collaboration – Q4	February 2022	1548-3673	https://doi.org/10.4018/IJeC.304377	IGI Global Publishing
4	Design And Analysis of a Bio Sensor for The Detection of Estrogen Hormonal Levels	Mr Vinay Kumar Javalkar	Bio Nano Science – Q3	February 2022	2191-1630	https://doi.org/10.1007/s12668-022-00951-9	Springer

Academic Year – 2022-23
(01st July 2022 – 30th June 2023)

S. No	Title of the Paper	Name of the Author/s	Name of the Journal	Month and Year of Publication	ISSN number	DOI	Publisher
1	Gaussian Mutation Spider Monkey Optimization (GM-SMO) Model for Remote Sensing Scene Classification	Dr. Abdul Lateef Haroon P S	Remote Sensing – Q1	December 2022	2072-4292	https://doi.org/10.3390/rs14246279 No. of Citations – 54 Article Views – 3424	MDPI (Multidisciplinary Digital Publishing Institute)
2	An Energy Efficient Cross-Layer Cluster based Multipath Routing Protocol for WSN	Dr V C Patil	WSEAS Transactions on Systems and Control – Q4	December 2022	2224-2856	https://doi.org/10.37394/23203.2022.17.54	World Scientific and Engineering Academy and Society (WSEAS)
3	Computer Vision and Machine Learning in Paddy Disease Identification and Classification: A Review	Hemantha Kumar R Kappali/K.M Sadyojatha /S. K Prashanth	Indian journal of Agriculture Research – Q3	March 2023	0976-058x	https://doi.org/10.18805/IJARE.A-6061	ARCC Journals

4	Multi-Resource Feature Embedded Level Set Model for Crosshatched Texture	Dr K M Sadyojatha/ Mr. Prabhakar K	International Journal of Electrical and Computer Engineering Systems – Q3	April 2023	1487-6996	https://doi.org/10.32985/ijeces.14.4.1	University of Osijek, Croatia
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Academic Year – 2023-24
(01st July 2023 – 30th June 2024)

Sl.no	Title of the paper	Name of the author/s	Name of the journal	Month and Year of Publication	ISSN number	DOI	Publisher
1	Parametric Evaluation of Segmentation Techniques for Paddy Diseases Analysis	Hemantha Kumar R Kappali/K.M Sadyojatha /S. K Prashanth	Indian journal of Agriculture Research – Q3	August 2023	2239-6268	https://doi.org/10.4081/iae.2023.1532	PAGEPress, Pavia, Italy.
2	Investigation of classical segmentation's impact on paddy disease classification performance	Hemantha Kumar R Kappali/ K.M Sadyojatha	Telkomnika – Q3	December 2023	1693-6930	http://doi.org/10.12928/telkomnika.v21i6.25505	Universitas Ahmad Dahlan (UAD)
3	An Optimized System for Sensor Ontology Meta-matching using Swarm Intelligent Algorithm	Dr Abdul Lateef Haroon P S	Internet Technology Letters – Q1	January 2024	2476-1508	https://doi.org/10.1002/itl2.498 No. of Citations – 58	WILEY
4	An Analysis of Various Electrical Activity in Heart Cavities for Ischemia	Javalkar Vinay Kumar	WSEAS TRANSACTIONS on BIOLOGY and BIOMEDICINE – Q4	Feb 2024	1109-9518	https://doi.org/10.37394/23208.2024.21.2	World Scientific and Engineering Academy and Society (WSEAS)
5	Design and Optimization of Sensor Electrode Geometry for Hormone Sensing by COMSOL Multiphysics Software	Mr Javalkar Vinay Kumar	BioNanoScience – Q3	March 2024	1044-1060	https://doi.org/10.1007/s12668-024-01357-5	BioNanoScience
6	Electric vehicle with smart grid integration using a hybrid honey badger algorithm and artificial neural network	Dr Naseeruddin; Dr Abdul Lateef Haroon P S	International Journal of Advanced Technology and Engineering Exploration – Q3	July 2024	2394-5443	http://dx.doi.org/10.19101/IJATEE.2023.10102555	International Journal of Advanced Technology and Engineering Exploration

7	Adaptive tunicate swarm optimization with partial transmit sequence for phase optimization in MIMO-OFDM	Dr Abdul Lateef Haroon P S	International Journal of Reconfigurable and Embedded Systems (IJRES) – Q4	November 2024	2089-4864	http://doi.org/10.11591/ijres.v13.i3.pp528-541	Institute of Advanced Engineering and Science (IAES)
8	A Bootstrapped Volatile Key Management Scheme for Efficient and Secured Data Transmission in WSNs	Dr Girijavani G	Nanotechnology Perceptions – Q4	2024	1660-6795	https://discovery.researcher.life/article/a-bootstrapped-volatile-key-management-scheme-for-efficient-and-secured-data-transmission-in-wsns/088b65e92da03f08bd1db993e87abb2a	Collegium Basilea, Switzerland
9	IOT Garbage Monitoring System with Weight Sensing	Shilpa K R, Roshann Ara, Nafees Khanum, Ifrah Farheen, Harshitha K	International Journal of Advanced Research in Science, Communication and Technology (IJARSCT)	May 2024	2581-9429	http://doi.org/10.48175/IJARSCT-18541	IJARSCT
10	Smart Infant Incubator Using IOT	Goutham B1, Sagar k2, Sudeep Shuri Shettru3, Ganesh T4, Shilpa KR5	International Journal of Scientific Research in Engineering and Management (IJSREM)	May 2024	2582-3930	http://doi.org/10.55041/IJSREM34752	IJSREM
11	SPY ROBOT WITH METAL DETECTION	Ms. HARSHITHA K R1, SHREEKAR2, SRUSHTI KUMAR A3, BHARGAVI.C4	International Journal of Advanced Research in Computer and Communication Engineering	May 2024	2278-1021	http://doi.org/10.17148/IJARCCE.2024.13577	IJARCCE
12	VOICE CONTROLLED ROBOTIC CAR	MRS. GHOUSIA SANOBER SABREEN1, RANJITH KUMAR S2, RAHUL PRABHAKAR GITTE3, REKHA G4, SADIYAS	International Journal of Advanced Research in Computer and Communication Engineering	May 2024	2278-1021	http://doi.org/10.17148/IJARCCE.2024.13569	IJARCCE
13	Bus Pass Management System	Netaji Sai Prasad Meka, S Gokul Krishna, Teja Malleshwar, Hameed A, Prof. Ashwath Narayana	International Journal of Advanced Research in Science, Communication and Technology (IJARSCT)	May 2024	2581-9429	http://doi.org/10.48175/IJARSCT-18159	IJARSCT
14	Smart Wheel Chair using IOT	Dr. Shivakumar K S, Keerthi. B, Sai Charan.	International Journal of Advanced Research in Science,	May 2024	2581-9429	http://doi.org/10.48175/IJARSCT-18138	IJARSCT

		M, Mohammed Nauman. M S, Tej Paul. S	Communication and Technology (IJARCT)				
15	Design and Development of Self Balancing Two-Wheeler	Vilas V Khasnis, K Himanth Raj, Uday Raj Kumar, Monish V, Kallamadi Murali Krishna	International Journal of Advanced Research in Science, Communication and Technology (IJARCT)	May 2024	2581-9429	http://doi.org/10.48175/IJARCT-18223	IJARCT
16	Design and Implementation of 3D Hologram using Machine Learning	Mr. Aswatha Narayana1, Aishwarya Patil2, Akhila U3, Ambika Durgad4, Hema S J5	International Journal of Advanced Research in Science, Communication and Technology (IJARCT)	May 2024	2581-9429	http://doi.org/10.48175/IJARCT-18429	IJARCT
17	Solar Grass Cutter	Dr Sadyojatha K M, Aishwarya D, B R Tarun Kumar, Chaitra G, Gokul J	International Journal of Advanced Research in Science, Communication and Technology (IJARCT)	May 2024	2581-9429	http://doi.org/10.48175/IJARCT-18513	IJARCT
18	Crop Suggestive System through Soil Property Characterization using IoT	Mr. Manjunath G, T. Bhavitha, Vaishnavi G, Vinutha T, S. Pavan Kumar	International Journal of Advanced Research in Science, Communication and Technology (IJARCT)	May 2024	2581-9429	http://doi.org/10.48175/IJARCT-18515	IJARCT
19	Smart Energy Meter with Advanced Billing and Power Theft	Mrs. Nilam, B Sai Sneha, Deepthi Shalini B, Dudekula Shaista Ulfath, Keerthana P K	International Journal of Advanced Research in Science, Communication and Technology (IJARCT)	May 2024	2581-9429	http://doi.org/10.48175/IJARCT-18530	IJARCT
20	Soil Based Fertilizer Recommendation using IOT	Mr. Sagara T V, Ananya M V, Chetan, Chetan Kumar B Humbi, Harshitha Y	International Journal of Advanced Research in Science, Communication and Technology (IJARCT)	May 2024	2581-9429	http://doi.org/10.48175/IJARCT-18526	IJARCT
21	LPG Gas Leakage Detection System with Auto Cutoff Regulator using Arduino	Dr. William Thomas H M, Alex Stefan Doraiswamy, C Balaji Nanda, Gowtham Reddy B, H Pavan Kumar	International Journal of Advanced Research in Science, Communication and Technology (IJARCT)	May 2024	2581-9429	http://doi.org/10.48175/IJARCT-18544	IJARCT
22	GPS Based Technology for Women Safety During Panic and Insecurity	Prof. William Thomas, E Pavan Kumar, Dahanunjaya, A Shiva Sharan, Sabala Pavan Kumar	International Journal of Advanced Research in Science, Communication and Technology (IJARCT)	May 2024	2581-9429	http://doi.org/10.48175/IJARCT-18584	IJARCT

Academic Year – 2024-25
(01st July 2024 – 30th June 2025)

Sl.no	Title of the paper	Name of the author/s	Name of the journal	Month and Year of Publication	ISSN number	DOI	Publisher
1	Cybertwin driven resource allocation using optimized proximal policy based federated learning in 6G enabled edge environment	Dr Abdul Lateef Haroon P S	Digital Communications and Networks – Q1	June 2025	2468-5925	https://doi.org/10.1016/j.dcan.2025.05.015	KeAi Communications Co.
2	Improved quantum inspired evolution algorithm with ResNet50 for spectrum sensing in cognitive radio networks	Srikantha Kandhgal Mochigar	Bulletin of Electrical Engineering and Informatics – Q3	Feb 2025	2302-9285	https://doi.org/10.11591/eei.v14i1.8312	Institute of Advanced Engineering and Science (IAES)
3	Advanced Optimization Techniques in Radar Waveform Design Using Nonlinear Conjugate Gradients	K. R. Shilpa, M. Nayana	Wireless Personal Communications – Q2	April 2025	1572-834X	https://doi.org/10.1007/s11277-025-11776-6	Springer Nature
4	Efficient Fault Diagnosis of Squirrel Cage Induction Motors in Industrial Applications Using an CNN-LSTM Approach	Mr Ulaganathan J	Journal Européen des Systèmes Automatisés – Q3	June 2025	1269-6935	https://iieta.org/journals/ies/paper/10.18280/ies.a.580605	International Information and Engineering Technology Association (IIETA)

Academic Year – 2025-26
(01st July 2025 – Till Date)

Sl.no	Title of the paper	Name of the author/s	Name of the journal	Month and Year of Publication	ISSN number	DOI	Publisher
1	MIMO-enhanced distributed spectrum sensing with diffusion-based algorithms for cognitive radio systems	Srikantha Kandhgal Mochigar, Rohitha Ujjini Matad	Bulletin of Electrical Engineering and Informatics – Q3	October 2025	2302-9285	https://doi.org/10.11591/eei.v14i5.9465	Institute of Advanced Engineering and Science (IAES)
2	Energy-Aware Cross-Layer Routing Using Transformer Models in Wireless Sensor Networks	Abdul Lateef Haroon Phulara Shaik	Internet Technology Letters – Q3	October 2025	2476-1508	https://doi.org/10.1002/itl2.70146	John Wiley and Sons Inc

3	MWAOA: A Bio-Inspired Metaheuristic Algorithm for Resource Allocation in Internet of Things	Abdul Lateef Haroon Phulara Shaik	CMC Computers, Materials & Continua – Q1	November 2025	1546-2218	http://dx.doi.org/10.32604/cmc.2025.067564	Tech Science Press
4	Energy efficient mobile edge computing framework based on secure host level management for resource allocation	Dr Abdul Lateef Haroon P S	International Journal of Cognitive Computing in Engineering – Q1	December 2025	2666-3074	https://www.sciencedirect.com/science/article/pii/S2666307425000543	KeAi Communications Co., Ltd.
5	Quantum genetic algorithm based complementary amplitude coding for waveform optimization with sidelobe suppression	Mrs Shilpa K R	Engineering Research Express – Q2	December 2025	2631-8695	https://iopscience.iop.org/article/10.1088/2631-8695/ae2ce9	IOP Publishing Ltd.
6	Enhanced spectrum sensing in MIMO-OFDM cognitive radio networks using multi-user detection and square-law combining techniques	Srikantha Kandhgal Mochigar, Premchand Doddmangadi Ramanaki	International Journal of Electrical and Computer Engineering (IJECE) – Q3	December 2025	2088-8708	https://ijece.iaescore.com/index.php/IJECE/article/view/37986	Institute of Advanced Engineering and Science (IAES)
7	MAPLE Model: A Blended ARCS-PSIS Approach to Enhance Gen-Z Engagement in Core Engineering Courses	Hemanthakumar R Kappali, Manjunath G, Shilpa K R, Sadyojatha K M,	Journal of Engineering Education Transformations – Q3	January 2026	2349-2473	https://www.journaleet.in/index.php/jeet/article/view/3572	Rajarambapu Institute of Technology (RIT), India in partnership with Indo-US Collaboration for Engineering Education (IUCEE)