

GYAN GANGA INSTITUTE OF TECHNOLOGY & SCIENCES , JABALPUR

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

FACULTY PUBLICATIONS

SESSION: 2021-22

S.NO.	FACULTY NAME	TITLE OF THE PAPER	INTERNATIONAL/NATIONAL JOURNAL/CONFERENCE	VOLUME NO.,ISSUE NO., PAGE NOS.	ISBN NO./ISSN NO./DOI	MONTH & YEAR OF PUBLICATION
1	Dr. Neeta Nathani, Zohaib Hasan	Impact of AI in Internet of Medical Things for Health Care Delivery	International Journal of Engineering Technologies and Management Research	August 2021 8(8), 18–26	ISSN (Online): 2454-1907	Aug-21
2	Sunil Shah, Dr. Neeta Nathani	A Review of Security Challenges and Solutions in 5G	Engineering and Technology Journal for Research and Innovation (ETJRI)	Volume III, Issue II, July 2021, Pg 13-21	ISSN 2581-8678	Jul-21
3	Dr. Vandana Roy	An Advanced EEG Motion Artifacts Eradication Algorithm	The Computer Journal, bxab170		https://doi.org/10.1093/comjnl/bxab170	Dec-21
4	Dr. Vandana Roy	A Machine Learning-Based Big EEG Data Artifact Detection and Wavelet-Based Removal: An Empirical Approach	Mathematical Problems in Engineering	Volume 2021, Article ID 2942808, pages: 1-11	https://doi.org/10.1155/2021/2942808	2021
5	Dr. Sourabh Sahu	Glycosuria sensing based on nanometric plasmonic polaritons	IOP Conference Series: Materials Science and Engineering	vol. 1136, no. 1, p. 012064, (2021), DOI: 10.1088/1757-899X/1136/1/012064	ISSN (Online): 1757-899X	Jun-21
6	Dr. Sourabh Sahu	Design of a Nanocavity Photonic Crystal Structure for Biosensing Application	Optical and Wireless Technologies. Lecture Notes in Electrical Engineering (Pub: Springer, Singapore)	vol 771.pp. 321-330 , doi: 10.1007/978-981-16-2818-4_35	ISBN (Online): 978-981-16-2818-4, ISBN (Print): 978-981-16-2817-7	Sep-21
7	Dr. Sourabh Sahu	Impact of Taguchi Optimization in Fiber Surface Plasmon Resonance Sensors Based on Si3N4 Layer	Brazilian Journal of Physics		http://doi.org/10.1007/s13538-022-01088-6	Mar-22
8	Dr. Pankaj Sahu	Maximum Power Point Tracking using Adjustable Gain based Model Reference Adaptive Control	Journal of Power Electronics, Springer	https://doi.org/10.1007/s43236-021-00336-3		Nov-21
9	Dr. Pankaj Sahu	An improved 2 level MPPT scheme for photovoltaic systems using a novel high frequency learning based adjustable gain MRAC controller	Springer	https://doi.org/10.1038/S41598-021-02586-4		Nov-21

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10	Dr. Pankaj Sahu	A Comparative Analysis of IC and RCCMPPT Techniques for High-Power PVSystems	Smart and Intelligent Systems, Springer	https://doi.org/10.1007/978-981-16-2109-3_31	Print ISBN 978-981-16-2108-6	Aug-21
11	Siddharth Bhalerao	Reversible ECG Watermarking for Ownership Detection, Tamper Localization, and Recovery	Circuits, Systems, and Signal Processing, Springer	https://doi.org/10.1007/s00034-022-02024-4		2022
12	Siddharth Bhalerao	Analysis of DNN based image watermarking data generation for self-recovery	International Conference on Control, Automation, Power and Signal Processing (CAPS), IEEE	10.1109/CAPS52117.2021.9730546		2021
13	Sunil Shah	Data Security in IoT Networks using Software-Defined Networking: A Review	2022 IEEE World Conference on Applied Intelligence and Computing (AIC 2022)			Jun-22
14	Shailesh Khaparkar	IoT Based device for water level monitoring of ground water supply systems	Design Engineering	VOLUME 2021ISSUE 08,PP17492-99	ISSN:0011-9342	Nov-21
15	Shailesh Khaparkar	Satellite Image Processing Using SVM classifier and ELBP-ML Features	International Journal for Research Trends and Innovation	Volume 6 Issue 6, June-2021	ISSN : 2456 - 3315	2021
16	Silky Pareyani	Performance Analysis of FIR Low Pass Filters: A Review	International Journal of Scientific Research in Engineering and Management	Volume: 06 Issue: 03, pp 1-3	ISSN: 2582-3930	Mar-22
17	Dr. Shweta Jain	Leaf Disease Detection Using Image Processing and Machine Learning	International Journal for Scientific Research & Development	Vol. 10, Issue 1, pp 97-99	ISSN (online): 2321-0613	2022
18	Dr. Shweta Jain	Awareness And Uses of Blockchain Technology In Higher Educational Institutions of India: A Descriptive Study	International Journal for Science and Advance Research In Technology	Volume 7 Issue 9, pp 303-307	ISSN [ONLINE]: 2395-1052	Sep-21
19	Shivangi Singh, Surobhi Sarkar	Adaptive Image Enhancement For Underwater Images Using Improved Gray World And Differential Gray-Levels Histogram Equalization	International Journal for Science and Advance Research In Technology	Volume 7 Issue 9, pp 46-53	ISSN [ONLINE]: 2395-1052	Sep-21
20	Anant Tiwari, Rachit Nema	Deep Learning Facial Expression Recognition for Children with Autism Spectrum Disorder	International Journal for Scientific Research & Development	Vol. 9, Issue 10, pp 124-126	ISSN (online): 2321-0613	2021

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21	Laxmi Kosta, Priyanka Tripathi	A Survey on: Machine Learning Approach for Credit Card Fraud Detection	International Journal for Scientific Research & Development	Vol. 10, Issue 1, pp 59-61	ISSN (online): 2321-0613	2022
22	Rajendra Yadav, Surya Bazal	Industrial Internet of Things (IIoT)-Driven and AI-Enabled Framework for Smart Manufacturing System	International Journal for Scientific Research & Development	Vol. 9, Issue 10, pp 1-5	ISSN (online): 2321-0613	2021
23	Sanjeev Patel, Abhishek Gupta	Approaching Analysis of MRI brain Cancer Classification using Amalgam Classifier (SVM-KNN)	International Journal of Scientific Development And Research	Volume 7 Issue 4. pp 197-201	ISSN: 2455-2631	Apr-22
24	Rajat Singh, Surobhi Sarkar	A Modified Fractal Microstrip Patch Antenna for Wireless Applications	IOSR Journal of Electronics and Communication Engineering (IOSR-JECE)	Volume 16, Issue 6, PP 01-06	e-ISSN: 2278-2834,p- ISSN: 2278-8735	Nov. – Dec. 2021
25	Juhi Khetrapal, Shilpa Rajpal	Improvement of Internet of Things (IoT) Sensor Powering Using Multi Node Radio Frequency Energy Harvesting (REH)	IOSR Journal of Electronics and Communication Engineering (IOSR-JECE)	Volume 17, Issue 1, PP 01-08	e-ISSN: 2278-2834,p- ISSN: 2278-8735	Jan. – Feb. 2022
26	Vipul Awasthi, Rajat Singh	Decision Support Through Deep Learning: Application To Image Classification and Recognition	International Journal of Engineering Research & Technology (IJERT)	Vol. 11 Issue 05, pp 662-668	ISSN: 2278-0181	May-22