

GYAN GANGA INSTITUTE OF TECHNOLOGY & SCIENCES , JABALPUR

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

FACULTY PUBLICATIONS

SESSION 2020-21

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. R. V. Kshirsagar	Efficient T2 brain region extraction algorithm usingmorphological operation and overlapping testfrom 2D and 3D MRI images	https://www.inderscienceonline.com/doi/abs/10.1504/IJBET.2021.114815	pp 382-399	0.1504/IJBE T.2021.114815	29-Apr-21
2	Dr. Vandana Roy	An Effective Cascaded Approach for EEG Artifacts Elimination	International Journal of Pharmaceutical Research	Vol. 12, No. 4, Pp No. 4822-4828.	ISSN 0975-2366	Oct - Dec 2020
3	Dr. Vandana Roy	Detection of sleep apnea through heart rate signal using Convolutional Neural Network	International Journal of Pharmaceutical Research	Vol. 12, No. 4, Pp No. 4829-4836.	ISSN 0975-2366	Oct - Dec 2020
4	Dr. Neeta Nathani, Dr. G.C.Manna	Applications of Cognitive Radio based Internet of Things and Cognitive Functionalities for IoT	International Research Journal of Mutidisciplinary Educational Research (IJMER)	Pg 198-208, Vol 10, Issue 4(2),	e-ISSN: 2277-7881	Apr-21
5	Dr. Neeta Nathani, Dr. G.C.Manna	Cognitive Radio Networks based Internet of Things: A Survey on spectrum sharing or spectrum allocation schemes	International Research Journal of Engineering and Technology (IRJET)	Pg 1082-1092, Vol 8, Issue 5	e-ISSN: 2395-0056	May-21
6	Dr. Neeta Nathani	A Review on Artificial Intelligence, Internet of Things and Wearable Technology for Smart Healthcare	International Journal of Distributed Computing and Technology	Volume 7, Issue 1, 2021	ISSN: 2455-7307	30.06.2021
7	Dr. Neeta Nathani	Artificial Intelligence based Hierarchical Cognitive Radio Network	Journal of Artificial Intelligence Research & Advances	Volume 8, Issue 2, 2021	ISSN: 2395-6720	Oct-21
8	Dr. Sourabh Sahu	Investigation of DPSK and OQPSK Techniques for FSO Communication Systems	IEEE Sponsored ICCCI-2021	pp. 1-5, doi: 10.1109/ICCCI50826.2021.9402664	ISSN: 2329-7190	Jan-21
9	Dr. Sourabh Sahu	Performance Analysis of Digital Modulation Formats in FSO	Machine Learning, Deep Learning and Computational Intelligence for Wireless Communication	volume 749, pages 331-340. https://doi.org/10.1007/978-981-16-0289-4_2	978-981-16-0288-7	May-21
10	Dr. Sourabh Sahu	Effect of Atmospheric Weather Condition on the performance of FSO	ICECA - 2020 (IEEE)	pp. 223-229. doi: 10.1109/ICECA49313.2020.9297604	ISBN:978-1-7281-6388-8	20-Nov
11	Dr. Sourabh Sahu	A Comparative Study of Various All- Logic Gates	Optical & Wireless Technologies, Springer	http://doi.org/10.1007/978-981-13-16159-3-45		2020

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12	Dr. Sourabh Sahu	Comparative Study of Interferometer and Ring Resonator Based Biosensors	Optical & Wireless Technologies, Springer	http://doi.org/10.1007/978-981-13-16159-3-44		2020
13	Dr. Sourabh Sahu	Highly sensitive Octagonal Photonic Crystal Fiber for Ethanol Detection	Optical & Wireless Technologies, Springer	http://doi.org/10.1007/978-981-13-16159-3-48		2020
14	Dr. Pankaj Sahu	Ripple Correlation Control Maximum Power Point Tracking for Battery Operated PV Systems: A Comparative analysis	IOT, Electronics and Mechatronics Conference (IEMTRONICS), IEEE International	10.1109/IEMTRO NICS51293.2020.9216414		Oct-20
15	Dr. Pankaj Sahu	A Comparative analysis of Maximum Power Point Tracking Techniques for Battery Operated PV Systems at Different Temperatures	American Journal of Science and Engineering, 2020	Vol-1, Issue-4		Dec-20
16	Siddharth Bhalerao	A secure image watermarking for tamper detection and localization	Journal of Ambient Intelligence and Humanized Computing (2021), (Springer)	https://doi.org/10.1007/s12652-020-02135-3		2021
17	Siddharth Bhalerao	Performance Comparison of SVM and ANN for Reversible ECG Data Hiding	Soft Computing: Theories and Applications, Advances in Intelligent Systems and Computing 1154 (Springer)	https://doi.org/10.1007/978-981-15-4032-5_20		2020
18	Siddharth Bhalerao	ECG Signal Compression based on Wavelet Parameterization and Thresholding using PSO	International Conference on Communication and Signal Processing	978-1-7281-4988-2/20		July 28 - 30, 2020
19	Siddharth Bhalerao	Reversible ECG Data Hiding: Analysis and Comparison of ANN, Regression SVM and Random Forest Regression	International Conference on Communication and Signal Processing	978-1-7281-4988-2/20		July 28 - 30, 2020
20	Shailesh Khaparkar, Nirdesh Jain	Detection of Motor bike Accident to provide Emergency Assistance Using Narrowband-Internet of Things (NB-IoT) System.	Journal of Advancements in Robotics	Vol 7, No 3, pp 1-4	ISSN: 2455-1872	Nov-20
21	Shailesh Khaparkar	Efficient Approach for Palm Line Extraction and Matching for Personal Authentication.	International Journal of Scientific Research & Engineering Trends	Volume 7, Issue 3,	ISSN (Online): 2395-566X	May-June-2021

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22	Shailesh Khaparkar	Review: IoT-based Real-Time Air Pollution Measurement for Jabalpur Smart City	Journal of Web Engineering & Technology	Vol 7, No 3, pp 16-19	ISSN: 2455-1880	May-21
23	Shailesh Khaparkar	External filtering and Wavelet domain thresholding based denoising method for AWGN Computed images	Journal of Image Processing & Pattern Recognition Progress	Volume 8, Issue 1, pp 11-19	ISSN 2394-1995	Mar-21
24	Shailesh Khaparkar	Filter based Denoising methods for AWGN Corrupted image	American journal of Science and Engg.	Volume 2, Issue 1, 2021	ISSN: 2687-9530 (Print) and 2687-9581 (Online)	Apr-21
25	Prof. Shailesh Khaparkar	Satellite Image Processing Using SVM Classifier and ELBP-ML Features: A Review	International Journal of Innovative Research in Electrical, Electronics, Instrumentation and Control Engineering	Vol. 9, Issue 5, pp 121-126	ISSN: 2321-2004 (Online) and 2321-5526 (Print)	May-21
26	Dr. Amit Chouksey	Design of Audio Enhancement Method Using Deep Learning & Adaptive Filter (DLAF)	International Research Journal of Modernization in Engineering Technology and Science	Volume:02/Issue: 08, pp 1474-1482	e-ISSN: 2582-5208	Aug-20
27	Sunil Shah	Design and Implementation Of 64-Bit Arithmetic Logic Unit on FPGA Using VHDL	ICIET-2020 Organised by GGITS, Jabalpur, STM Journal			Nov-20
28	Sunil Shah	Design Of Low Power Semiconductor Memory Using Single Ended 7T SRAM	International Journal of Scientific Engineering And Technology	Volume 10, Issue 01	ISSN: 2277-1581	Dec-20
29	Sunil Shah	A Bidirectional Area and Speed Optimized Interfacing Bridge Between Advance High Performance AXI Bus With AHB Bus In SOC	Accent Journal of Economics Ecology & Engineering	Vol. 5, Issue 12	ISSN:2456-1037	Dec-20
30	Sunil Shah	ASIC Design of High Speed FSM based DDR4 SDRAM Controller for fast Interface	International journal for Scientific Research & Development (IJSRD)	Volume 08, Issue 12	ISSN: 2321-0613	Feb-21
31	Zohaib Hasan	Empirical Method of Designing a Coaxial Line	Research & Reviews: A Journal of Embedded System & Applications	Volume 8, Issue 3	ISSN: 2395-6712 (Online), ISSN: 2321-	2020
32	Zohaib Hasan, Akash Rajak	Design of Ultra-Wideband Hexagonal Patch and Defective Ground Structure Microstrip Antenna	International Journal for Research Trends and Innovation (IJRTI)	Volume 5 Issue 7	ISSN Number: 2456 - 3315	Jul-20

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33	Abhishek Singh	A review on gamma correction base image contrast enhancement techniques	International Journal of Emerging Trends & Technology in Computer Science (IJETTCS) (Scopus Indexed)	Volume 9, Issue 5 , Page No. 39-43	ISSN 2278-6856	September - October 2020
34	Abhishek Singh	A working prototype of "contrast enhancement of brightness-distorted images by improved adaptive gamma correction" method using "Embedded System"	International Journal of Emerging Trends & Technology in Computer Science (IJETTCS) (Scopus Indexed)	Volume 9, Issue 5 , Page No. 35-38	ISSN 2278-6856	September - October 2020
35	Abhishek Singh	Design & Verfication of Area Efficient PSK Modulator for Long Distance Communication	International Research Journal of Modernization in Engineering Technology and Science	Volume:02/Issue: 07, pp -799-807	e-ISSN: 2582-5208	Jul-20
36	Silky Pareyani	Image Reconstruction of Noisy Distorted Images Using Deep Learning Methods: A Review	Journal of Multimedia Technology & Recent Advancements	Volume 7, Issue 3, pp 21-25	ISSN: 2349-9028	Nov-20
37	Silky Pareyani	Drowsiness Detection using facial landmarks	International Journal for Research Trends and Innovation (IJRTI)	Volume 5, Issue 11, pp 24-28	e-ISSN: 2456-3315	Nov-20
38	Surya Bazal, Nirdesh Jain	Network Automation with Python using Gns3 and Virtual Box	International Journal of Innovation in Engineering Research & Management	Vol. 08, Issue 03, pp 36-43	ISSN (Online) 2348-4918	Jun-21
39	Surya Bazal, Nirdesh Jain	Network Automation with Python using Gns3 and Virtual Box: A Review	Accent Journal Of Economics Ecology & Engineering	Vol. 06, Issue 05, pp 104-106	ISSN No. 2456-1037	May 2021.
40	Priyanka Tripathi	Home Automation System for Renewable Energy Self Consumption Optimization	Journal of Software Engineering Tools & Technology Trends:	Vol 7, No 3, pp 19-26	ISSN: 2394-7292	Nov-20
41	Laxmi Kosta, Shruti Bad	Design, Simulation and Comparative Analysis of Performance Parameters of a 4-bit CMOS based Full Adder Circuit using Microwind and DSch at Various Technology Nodes	IOSR Journal of VLSI and Signal Processing (IOSR-JVSP)	Volume 11, Issue 1	e-ISSN: 2319 – 4200, p-ISSN No. : 2319 – 4197, pp 1-8	Jan. - Feb. 2021
42	Poorvi Behre, Neha Ban	Credit Card Fraud Detection Based On NLP and ML	International Journal for Research Trends and Innovation	Volume 6, Issue 5, pp-76-78	ISSN: 2456-3315	2021
43	Jaya Malviya, Rachit Ne	Document Image Skew Detection and Correction based on 3 Quadrants Gradient	IOSR Journal of VLSI and Signal Processing (IOSR-JVSP)	Volume 10, Issue 5, PP 20-24	e-ISSN: 2319 – 4200,	Sep. - Oct. 2020
44	Vipul Awasthi , Pragya D	Empirical and Experimental Design and Analysis of Standard Gain Ku- Band Horn	IJSRD - International Journal for Scientific Research & Development	Vol. 8, Issue 11, pp337-341	ISSN (online):	2021
45	Akanksha Dixit, Shilpa R	Target Classification of Electro-optical/Infrared Image using Machine Learning Algorithm	International Journal for Research in Applied Science & Engineering	Volume 8 Issue IX, 74-78	ISSN: 2321-9653	Sep-20

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46	Amit Gupta, Jagdeesh A	Performance analysis of PDM-CO-OFDM in FSO communication system under various weather conditions	IOSR Journal of VLSI and Signal Processing (IOSR-JVSP)	Volume 16, Issue 3, PP 14-22	e-ISSN: 2319 – 4200, p-ISSN No. : 2319 – 4197, pp 1-8	May - June 2021
47	Sourabh Tiwari, Abhishe	Survey on Diabetic Retinopathy Detection from Retinal Images	International Journal for Research in Applied Science & Engineering Technology (IJRASET)	Volume 8 Issue IX, pp 237-241	ISSN: 2321-9653	Sep-20
48	Ruhi Khetrpal, Prachi M	IoT based Heart Disease Prediction	International Journal for Research in Applied Science & Engineering Technology (IJRASET)	Volume 9 Issue II, pp 123-124	ISSN: 2321-9654	Feb-21
49	Khushboo Vishwakarma, Tarun Sahu	Face Recognition using Sketch, Thermal and Infrared Images	International Journal for Research in Applied Science & Engineering Technology (IJRASET)	Volume 9 Issue I, pp 178-190	ISSN: 2321-9654	Jan-21