Number of quality publications in refereed/SCI Journals, citations

Name of faculty	Title of paper	Name of Journal	Year of Publication	ISSN No.	International/sci/ugc	citation
Dr. Soheb Munir	REVIEW PAPERON QUANTIZER DESIGNS FOR FD AND TD BASED MASSIVE MIMO SYSTEMS PLANER ARRAY	EMERGING TRENDS & INNOVATION IN ELECTRONICS TECHNOLOGY	**2020**	**Conference**	**National**	**12**
	ANALYSIS PARAMETER OF MASSIVE MIMO SYSTEM BASED PLANER ARRAY WITH QUANTIZER DESIGNS	EMERGING TRENDS &INNOVATION IN ELECTRONICS TECHNOLOGY	2020	Conference	National	
	5G MOBILE TECHNOLOGY AND ITS APPLICATION	EMERGING TRENDS &INNOVATION IN ELECTRONICS TECHNOLOGY	2020	Conference	National	
	POWER OPTIMIZATION OF MOSET AND CNFET BASED COMBINATIONAL CIRCUIT	EMERGING TRENDS &INNOVATION IN ELECTRONICS TECHNOLOGY	2020	Conference	National	
	SYNTHESIS OF CNFET BASED MULTIPLEXER USING TERNARY logic CIRCUITS	IJLNCT	**2020**	**2456-9895**	**INTERNATIONAL**	
	A REVIEW	IJERMT	2020	2456-9895	**INTERNATIONAL**	

	OF PARAMETRIC OPTIMIZATION FOR CMOS VOLTAGE CIRCUIT					
	Design and Analysis of 2*2 UWB Dumbbell Shaped Micro strip Patch Antenna for 5G Communication Application	IJIRSET	2021	2348-4039	**INTERNATIONAL**	
	REVIEW OF MICROSTRIP PATCH ANTENNA ARRAY FOR MM-WAVE 5G Application	IJERMT	2021	2319-8753	**INTERNATIONAL**	
	Review of posit Multiplier for High Speed VLSI-FPGA Application	IJRIM	2021	2348-4039	**INTERNATIONAL**	
	Implementation and Performance Improvement of 64 bit Posit Multiplier For High speed VLSI-FPGA Processor	JETIR	2021	3257-2910	**INTERNATIONAL**	
	REVIEW OF MICROSTRIP PATCH ANTENNA ARRAY OF MM WAVE 5G APPLICATION	SOFT COMPUTING TECHNIQUES &COMMUNICATION ENGINEERING	2021	2349-5162	**INTERNATIONAL**	
	FUNDAMENTALS OF 5G TECHNOLOGY	SOFT COMPUTING TECHNIQUES &COMMUNICATION ENGINEERING	2021	Conference	**INTERNATIONAL**	
	A REVIEW OF	SOFT COMPUTING	2021	Conference	**INTERNATIONAL**	

	PARAMETRIC OPTIMIZATION FOR CMOS VOLTAGE CIRCUIT	TECHNIQUES &COMMUNICATION ENGINEERING				
	Review of Clustering Approach for 5G-IOT Wireless Sensor Network	JETIR	2021	Conference	**INTERNATIONAL**	
	Review of Micro strip Patch Antenna for 5G mm Wave K-band Application	JETIR	2022	2349-5162	**INTERNATIONAL**	
	An Adaptive Clustering Approach based on euro-Fuzzy in 5G-IOT wireless Sensor Network	JICS	2022	2349-5162	**INTERNATIONAL**	
Dr.Amrita Pahadia	Low power techniques in CMOS VLSI circuits-A review of literature	Emerging technologies for intelligent electronics system design	2021	Conference	**National**	
	Power Estimation for CMOS VLSI circuit using Support Vector algorithm for ISCAS'89 benchmark circuit	Engineering, computing and architecture & Technology	2022	1934-7197	**UGC–CARE Group-II**	**00**
	An Advanced coding multilayer system for VLSI circuit analytics using Spiking Neural Network	Engineering, computing and architecture & Technology	2022	1934-7197	**UGC –CARE Group-II**	
	Techniques for Leakage power reduction in	Multidisciplinary international conference on futuristic trends		conference	**Scopus indexed**	

	CMOS VLSI circuits-A review of literature	for sustainable ecosystem				
Dr. Aparna Gupta	An Extensive Survey on Optimal Pilot Design for Channel Estimation in Single/ Multicarrier Block Transmission Systems	International conference on Big Data, Cloud Computing & Intelligent System (ICBDCCIS-2019),	2019	conference	**INTERNATIONAL**	**39**
	Eco-friendly rubber	Emerging trends & Innovation in Electronics & Technology	2020	Conference	**National**	
	End to end secure e-voting using blockchain & quantum key distribution	Materials Today	2021	https:// doi.org/ 10.1016/ j.matpr.2021. 07.254	**Scopus**	
	Review of Unmanned Aerial Vehicle Assisted Communicati on in 5G-IoT Applications	International Journal of Emerging Technologies and Innovative Research (JETIR),	2022	2349-5162	**UGC CARE**	
	An Artificial Intelligence for Enhanced Mobility and5G Connectivity in UAV Assisted Communicati on	Journal of Information and Computational Science	2022	1548-7741	**UGC CARE**	
	Solar Powered Agriculture Robot	Recent Advances in Electronics Engineering and Technology	2023	Conference	**National**	
	Review of Energy-Efficient Multicast Routing Protocol for Wireless Sensor Networks	International Journal of Emerging Technologies and Innovative Research	2022	2349-5162	**INTERNATIONAL**	

Prof.Sanket choudhary	An Energy-Efficient Routing Protocol for Wireless Sensor Networks	in International Journal of Information and Computational Science	2022	1548-7741	**INTERNATIONAL**	**04**
	Review paper on Cell Free Massive MIMO Systems with FDD and TDD based Channel State Information	IJCSE	2019	2347-2693	**INTERNATIONAL**	
	BER Analysis of Cell Free 5G Massive MIMO Systems with FDD and TDD Technique	IJETAE	2019	2250-2459	**INTERNATIONAL**	
Prof.Rahul Sharma	Solar powered agriculture robot	Recent advances in electronics engineering and technology	2023	Conference	National	02
	Review of Resource Allocation in Vehicular Ad Hoc Networks	IJRIM	2022	3257-2910	INTERNATIONAL	
	An Optimal and Sub-Optimal Technique for Resource Allocation in Vehicular Ad Hoc Networks	Scopus Journal of Science and Technology (Scopus),	2022		INTERNATIONAL	
Prof.Niketan Kumar Mishra	Design Microstrip Notch Antenna For RF Energy Harvesting In S-Band Applications	International Conference on Emerging Trends in Engineering & Technology	2023	IEEE Conference 10.1109/ ICETET-SIP58143.2023.10151499	INTERNATIONAL	**03**
	Design, Analysis and Optimization of Radio Frequency(RF) of Energy Harvesting Antenna	Recent Advances in Electronics Engineering & Technology	2023	Conference	National	
	Review paper	Journal of	2020	2349-5162	INTERNATIONAL	

Dr.Abhijeet Gupta	on Spectrum Sensing Non-Cooperative Cognitive Radio Network Based 5G Massive MIMO Systems	Emerging Technologies and Innovative Research				**00**
	Investigations on Uplink Data Transmission of Cooperative spectrum in CR networks	International Journal of LNCT	2020	2456-9895	INTERNATIONAL	
	Design, Analysis and Optimization of Radio Frequency (RF) of Energy Harvesting Antenna)	Recent Advances in Electronics Engineering & Technology	2023	Conference	National	
Dr. Deepika Pathak	Wide-Band Hybrid Dielectric Resonator Antenna for C-Band using FR-4 Material	(Materials Today)	2021	10.1016/ j.matpr.2021. 05.120	SCOPUS Journal	**00**
	Dual Band Dielectric Resonator Antenna for Wireless Application : Review	International Journal for Research in Applied Science & Engineering Technology (International Journal)	2020	2321-9653	INTERNATIONAL	
	Hybrid Dielectric Resonator Antenna for Wi-Max Application	International Research Journal of Engineering and Technology(IRJ ET) (International Journal)	2020	2395-0072	INTERNATIONAL	
	Dual Band Linearly Polarized Integrated Dielectric Resonator Antenna For Wi-Max	Wireless Personal Communication (SCI Journal)	2019	10.1007/ s11277-019-06854-5	INTERNATIONAL	

	Application					
Dr.Aizaz Tirmizi	Efficient Approximate Multipliers for Neural Network Applications	Computational Intelligence in Data Mining	2022	https://link.springer.com/chapter/10.1007/978-981-16-9447-9_44	Springer Nature Singapore	**13**
	Pix2Pix Generative adversarial Networks (GAN) for breast cancer detection	5th International Conference on Multimedia, Signal Processing and Communication Technologies (IMPACT)	2022	Conference	IEEE	
	Approximate row-merging-based multipliers for Neural Network acceleration on FPGAs	IEEE Embedded Systems Letters	2023	10.1109/LES.2023.3304678 1943-0671	IEEE	
	FASBM: FPGA-specific Approximate Sum-based Booth multipliers for energy efficient Hardware Acceleration of Image Processing and Machine Learning Applications	IEEE 31st Annual International Symposium on Field-Programmable Custom Computing Machines (FCCM)	2023	2567-2613	IEEE	
	Exploiting Pixel Redundancy and Approximate Computing for Efficient Hardware–Software Co-design of CNN on IoT Edge Devices	International Conference on Emerging Trends and Technologies on Intelligent Systems	2023	https://link.springer.com/chapter/10.1007/978-981-99-3963-3_43	Springer Nature Singapore	

	Approximate Computing-Based Unsigned Multipliers for Image Processing Applications	Advances in VLSI and Embedded System	2022	978-981-19-6780-1 Conference	Springer	
	Hybrid spectrum sensing and allocation in Cognitive Radio Networks using Hybrid of Neural Network and Genetic Algorithm	Design Engineering	2021			
Prof.Ayush Johari	Comparison of autonomy and study of deep learning tools for object detection in autonomous self driving vehicles	International Conference on Data, Engineering and Applications (IDEA)	2020	978-1-7281-5718-4 Conference	IEEE	**34**
Prof.Shashilata Rawat	A study of Glaucoma disease detection with Image processing methods	Advanced Engineering Forum	2020	2234-991X	INTERNATIONAL	**00**
	Post Processing Structure for Residue Number System Generators	Emerging trends & Innovation in Electronics & Technology	2020	Conference	National	
Dr.Parmeet Kaur Jaggi	Review of Prominent Video Stabilization Mechanisms	IJRTI	2022	2456-3315	INTERNATIONAL	**00**
	VHDL based Implementation of Stabilization Algorithms	JETIR	2022	2349-5162	UGC Approved Journal no.63975	
	Comprehensive review of Motion Estimation	Compliance Engineering Journal	2022	0898-3577	INTERNATIONAL	

	Techniques for real time stabilization					
	Implementation of DVS using HDL on a Basys3 FPGA Board"	Emerging Trends in Electrical, Electronics and Computer Engineering,	2022	Conference	International	