

List of papers published by faculty in year 2021 and 2022

S No.	Faculty Name	Paper Title	Journal/Conference Name	Year	Journal /conference Detail (ISSN/ ISBN No. /Vol. no./ Issue	UGC approved/ Scopus/ SCI (Impact Factor, if any)
1	Dr. Surender Dhiman	Performance Analysis of Improved Self Cancellation Technique for wavelet based OFDM through Simulink	Wireless Personal Communication	2021	III	SCI / 1.061
2	Dr. Surender Dhiman	Cluster based energy efficient Node development in WSN	Journal of Xi'an University of Architecture & Technology	2021	ISSN: 1006-7930	Scopus indexed
3	Dr. Surender Dhiman	Face detection and recognition	International E conference on Recent Innovations in Engineering and	2021		
4	Dr. Surender Dhiman	Artificial Intelligence in Medical Imaging.	International E conference on Recent Innovations in Engineering and	2021		
5	Dr. Surender Dhiman	Detection of water quality using Machine Learning and IoT.	International Journal of Engineering Research and	201	ISSN: 2278-0181	
6	Sonam Lata	Secure and Reliable WSN for Internet of Things: Challenges and Enabling Technologies	IEEE Access	2021	-	SCI, Impact factor 3.745
7	Sonam Lata	Wireless Pollution Sensor Network	conference on Recent Innovations in Engineering and Technology	2021		International Conference
8	Sonam Lata	Development Of an Intelligent Shopping Cart System	conference on Recent Innovations in Engineering and Technology	2021		International Conference
9	Sonam Lata	OTP Based Wireless Smart Locking System	conference on Recent Innovations in Engineering and Technology	2021		International Conference
10	Sonam Lata	Capacitated Reliability Evaluation of Wireless Sensor Networks	conference on Recent Innovations in Engineering and Technology	2021		International Conference

11	Rashmi Wadhwa	Neural Network for Sign Language to Text Conversion	International E-conference On Recent Innovations in Engineering & Technology (INCRIET)	2021	E-conference On Recent Innovations in Engineering &	International E-conference
12	Madhurima Sarkar	Energy Harvesting Using Piezoelectric effect and its Practical Applications: An Experimental Approach.	IJSREM	2021	Issue: 01, Jan - 2021 ISSN: 2582-3930	International Journal
13	Vishal Srivastava	Hybrid optimization based PID control of ball and beam system	Journal of Intelligent & Fuzzy Systems, IOS Press	2021	DOI-10.3233/JIFS-189760, Vol 41, pp 1-10	SCI, IF-1.851
14	Vishal Srivastava	On Comparing the Performance of Swarm-Based Algorithms with Human-Based Algorithm for Nonlinear Systems	Arabian Journal for Science and Engineering (AJSE),	2021	doi.org/10.1007/s13369-021-06026-3	SCI, IF-2.334
15	Vishal Srivastava	Review of Challenges of MmW Active Antenna Systems in 5G Technology	INCRIET - 2021	2021		International Conference
16	Vishal Srivastava	Artificial Neural Network (ANN) based control of nonlinear system using whale optimization algorithm (WOA)	INCRIET - 2021	2021		International Conference
17	Varun Jain	Review of Challenges of MmW Active Antenna Systems in 5G Technology	INCRIET - 2021	2021		
18	Varun Jain	Artificial Neural Network (ANN) based control of nonlinear system using whale optimization algorithm (WOA)	INCRIET - 2021	2021		
19	Dr Akanksha Gupta	Designed orthogonal wavelet based feature extraction and classification of underlying causes of power quality disturbance using probabilistic neural	Australian Journal of Electrical and Electronics Engineering (Taylor &	2021	ISSN - 2205-362X	Scopus Indexed
20	Dr Akanksha Gupta	A Critical Analysis of Methodologies for Detection and Classification of Power Quality Events in Smart Grid	IEEE Access	2021	ISSN-2169-3536 Vol. 9	SCI IF 3.367
21	Dr Akanksha Gupta	Lifting Scheme Based Matched Wavelet Design for Effective Characterisation of Different Types of Voltage	IET Science, Measurement and Technology	2021	ISSN-1751-8830, Vol. 15; Issue No. 4	SCI IF 1.975
22	Ajit Kumar Sharma	Comparison of different types of fuzzy controller based sliding mode control on single link Inverted Pendulum	Journal of Intelligent & Fuzzy System, IOS Press	2021	pp. 1-10, 2021, DOI: 10.3233/JIFS-189740	SCI

23	Ajit Kumar Sharma	Performance Analysis of Different Sliding Mode Controller on Single Link Inverted Pendulum	Lecture Notes in Electrical Engineering, LN EE	2021	volume 723, pp. 247-261, 2021, DOI: 10.1007/978-981-33-4080-0_24	SCOPUS
24	Ajit Kumar Sharma	Performance Evaluation of Sliding Mode Control for Underactuated Systems Based on Decoupling Algorithm	Machine Learning, Advances in Computing, Renewable Energy and Communication	2021	1. volume 768, pp. 75-87, 2021, DOI: 10.1007/978-981-16-2354-7_8	SCOPUS
25	Dr. Ruchi Gupta	Ghai, M., & Gupta, R. Ultrasonic sensor based social distancing device	International Journal of Sensor Networks	2021	36(3), 139. doi:10.1504/ijnsnet.2021.10039559	SCI
26	Dr. Ruchi Gupta	Ghai, M., & Gupta, R. Ultrasonic sensor-based cost-efficient smart cane	conference on Recent trends in Electronics and Electrical Engineering (NCRTEEE-2021).	2021		
27	Dr Amruta Pattnaik	Hierarchical control-I. in control of standalone Microgrid.	Academic Press, 2021	2021		Book Chapter[Scopus]
28	Dr Amruta Pattnaik	Different Variants of Particle Swarm Optimization Algorithms and Its Application: A Review.	Metaheuristic and Evolutionary Computation: Algorithms and Applications, 131-163(2021).	2021		Book Chapter[Scopus]
29	Dr Amruta Pattnaik	The Role of Power Electronics in the Field of Photovoltaic System: A Study.	In Renewable Power for Sustainable Growth, pp. 777-784. Springer, Singapore, 2021	2021		Book Chapter[Scopus]
30	Dr Amruta Pattnaik	Performance Comparison of Dual Stage Photovoltaics-Based Water Pumping Systems.	In Renewable Power for Sustainable Growth, pp. 759-768. Springer, Singapore, 2021	2021		Book Chapter[Scopus]
31	Dr Amruta Pattnaik	Smart Energy Management in Renewable Energy Systems	Management Systems and Renewable Energy Resources [AIP Publishing (online), Melville, New York,	2021	available at: https://doi.org/10.1063/9780735422827_001	SCI

32	Md. Saquib Faraz	Safety Monitoring Of Sewage Workers Using IOT and Machine Learning	ICAST-2021 : 4th International Conference on Advances in Science and Technology	2021	SSRN Elsevier	Conference
33	Md. Saquib Faraz	Data Acquisition: A Case Study at Residential Places in Delhi	ICAST-2021 : 4th International Conference on Advances in Science and Technology	2021	SSRN Elsevier	Conference
34	Priyanka	IOT Based Health Monitoring System	conference on Recent Innovations in Engineering and Technology	2021		Conference
35	Priyanka	Survey on Mammographic Image Classification Methods	conference on Recent Innovations in Engineering and Technology	2021		Conference
36	Ishita Arora	A Review on Human Activity Recognition using Machine Learning	INCRIET	2021		National Conference
37	Ishita Arora	Thermostat in Ovens controlled through GSM Technology	INCRIET	2021		National Conference
38	Ishita Arora	Disease Detection in Plants using Machine Learning and Python	INCRIET	2021		National Conference
39	Ishita Arora	Gas Leakage Detection	INCRIET	2021		National Conference
40	Devraj Gautam	Smart Waste Management System Using AI	IJAEM	2021	ISSN: 2395-5252	UGC Journal
41	Devraj Gautam	Solar Technolog: Efficiency Analysis of Tracking and fixed solar panel with recent advancements	INCRIET-2021	2021		International E-Conference at ADGITM
42	Devraj Gautam	Smart Disinfection Bot Using UV-C Radiation	IRJET	2021	ISSN: 2395-0056	UGC Journal
43	Ankur sood	A. Sood and R. Kaushik, "Performance Analysis of 20 Gbps-60 GHz OFDM-RoFSO Transmission with ODSB and OSSB Modulation using Hybrid Mode," 7th International conference on signal processing &	7th international conference on Signal processing and communication, ICSC-2021	2021	IEEE explore digital library	Scopus indexed

44	Dr Amruta Pattnaik	Comprehensive Study on Heterojunction Solar Cell." .	In Machine Learning, Advances in Computing, Renewable Energy and Communication, pp. 543-552. Springer, Singapore, 2022	2022		Book Chapter[Scopus]
45	Manas Taneja	Genetic Algorithm Based Intelligent Control Strategy for Multi-input Multi-outputDC-DC Converter	Online conference held at Manav Rachna International	2021		International Conference
46	Manoranjan Kumar	A simple characterization of UAV Communication Systems	Sadhana, Springer	2022	doi.org/10.1007/s12046-022-	SCI