



Adi Shankara Institute of Engineering and Technology

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**Department of
Electronics & Communication Engineering**

2021 -2022				
Sl No	Faculty Name	Total No of Publications	Title/Topic	Indexing
1	Dr. V T Gopakumar	1	Proposal for all Optical Memory Unit and Phase Key Recovery using Fabry-Perot Narrowband Filters	2nd International Conference on Advances in Computing Communication Embedded and Secure Systems (ACCESS 21) Scopus Indexed
2	Dr. Ajay Kumar	2	Early Detection of Lung Cancer through Breath Analysis using AdaBoost ensemble learning method	2nd International Conference on Advances in Computing, Communication, Embedded & Secure Systems ACCESS 21 Scopus Indexed
			Non-invasive diagnosis of COPD with e-nose using XGBoost Algorithm	2nd International Conference on Advances in Computing, Communication, Embedded & Secure Systems ACCESS 21 Scopus Indexed
3	Albins Paul	1	Optimal Design of Dual band Microstrip Patch Antenna Array based on Greatest Common Divisor and Particle Swarm Optimization	2nd International Conference on Advances in Computing Communication

				Embedded and Secure Systems (ACCESS 21) Scopus Indexed
4	Arya Paul	1	A Novel IoT based solution for respiratory flow diagnosis	EAI/Springer Innovations in Communication and Computing book series (EASICC) Scopus Indexed
5	Divya V Chandran	3	A Novel IoT based solution for respiratory flow diagnosis	EAI/Springer Innovations in Communication and Computing book series (EASICC) Scopus Indexed
			Vegetation Scanning Using LiDAR-Based Drone	International Journal of Scientific Research in Computer science, Engineering and information Technology Engineering and Information Technology ICI Indexed
			Change detection & Flood water mapping from remotely sensed images- A Survey	International IEEE conference on Sustainable Computing and Data Communication Systems Scopus Indexed
6	Remya Ramesh	2	A Novel IoT based solution for respiratory flow diagnosis	EAI/Springer Innovations in Communication and Computing book series (EASICC) Scopus Indexed
			Proposal for all Optical Memory Unit and Phase Key Recovery using Fabry-Perot Narrowband Filters	2nd International Conference on Advances in Computing Communication

				Embedded and Secure Systems (ACCESS 21) Scopus Indexed
7	Chinnu S	1	A New Hardware Architecture for FPGA implementation of feed forward neural networks	2nd International Conference on Advances in Computing Communication Embedded and Secure Systems (ACCESS 21) (Scopus Indexed)
8	Jaimy James	1	A New Hardware Architecture for FPGA implementation of feed forward neural networks	2nd International Conference on Advances in Computing Communication Embedded and Secure Systems (ACCESS 21) (Scopus Indexed)
9	Aswathy N	4	A New Hardware Architecture for FPGA implementation of feed forward neural networks	2nd International Conference on Advances in Computing Communication Embedded and Secure Systems (ACCESS) (Scopus Indexed)
			Implementation of a multitudinous face recognition using YOLO V3	4th International conference on Micro electronics, Signal and Systems (ICMSS) (Scopus Indexed)
			Review on role of nano scale HfO2 switching material in resistive Random access memory device	Emergent Materials, Springer Nature (Scopus Indexed)

			Future Nonvolatile Memory Technologies: Challenges and Applications	2021 2nd International Conference on Advances in Computing, Communication, Embedded and Secure Systems (ACCESS) (Scopus Indexed)
10	Dr. Suraj Damodaran	1	Design and Implementation of desired interaction yielding fractional-order controller with application to wheeled mobile robot	2nd International Conference on Advances in Computing Communication Embedded and Secure Systems (ACCESS 21) (Scopus Indexed)
11	Neetha K	1	Proposal for all Optical Memory Unit and Phase Key Recovery using Fabry-Perot Narrowband Filters	2nd International Conference on Advances in Computing Communication Embedded and Secure Systems (ACCESS 21) Scopus Indexed
12	Prasanth P Menon	1	Proposal for all Optical Memory Unit and Phase Key Recovery using Fabry-Perot Narrowband Filters	2nd International Conference on Advances in Computing Communication Embedded and Secure Systems (ACCESS 21) Scopus Indexed
13	Anju George	2	Predicting COVID-19 and other lung related diseases like Pneumonia and Tuberculosis using Deep Learning	2nd International Conference on Advances in Computing, Communication, Embedded & Secure Systems ACCESS 21 Scopus Indexed

			Implementation of a multitudinous face recognition using YOLO V3	4th International conference on Micro electronics, Signal and Systems (ICMSS) Scopus Indexed
14	Dr.Ragesh G K	4	Comparison of image Compression analysis using Deep Autoencoder and Deep CNN approach	2nd International Conference on Advances in Computing, Communication, Embedded & Secure Systems ACCESS 21 Scopus Indexed
			Early Detection of Lung Cancer through Breath Analysis using AdaBoost ensemble learning method	2nd International Conference on Advances in Computing, Communication, Embedded & Secure Systems ACCESS 21 Scopus Indexed
			Non-invasive diagnosis of COPD with e-nose using XGBoost Algorithm	2nd International Conference on Advances in Computing, Communication, Embedded & Secure Systems ACCESS 21 Scopus Indexed
			Smart Critical Patient Care System with Doctor and Bystander Support with Wireless Sensor Network Using IoT and Intelligent Recommender Algorithm	Cognitive Informatics and Soft Computing. Advances in Intelligent Systems and Computing, vol 1317. Springer Scopus Indexed
15	Prajeesh P A	1	Design of automated stethoscope using AI,IoT and signal processing	4th International Conference on microelectronics signals and system

				Scopus Indexed
16	Archana Aniyam	1	Design of automated stethoscope using AI,IoT and signal processing	4th International Conference on microelectronics signals and system Scopus Indexed
17	Dr. Bipin P R	2	Smart Critical Patient Care System with Doctor and Bystander Support with Wireless Sensor Network Using IoT and Intelligent Recommender Algorithm	Cognitive Informatics and Soft Computing. Advances in Intelligent Systems and Computing, vol 1317. Springer Scopus Indexed
			IoT-Enabled Toxic Gas Detection and Alarming System Using Wireless Sensor Network with TAGDS Smart Algorithm	Computing. Advances in Intelligent Systems and Computing, vol 1317. Scopus Indexed
18	Neema .M	2	Data Driven Approach for mmWave Channel Characteristics Prediction Using Deep Neural Network	Wireless Personal Communications (SCI)
			User Spatial Localization for Vision Aided Beam Tracking based Millimeter Wave Systems using Convolutional Neural Networks	10th International Conference on Information and Automation for Sustainability (ICIAfS) IEEE (Scopus Indexed)
19	Sreerag M, Anju Pradeep	1	Dual band MIMO antenna with reduced mutual coupling	2021 2nd International Conference on Advances in Computing, Communication, Embedded and Secure Systems (ACCESS) (Scopus Indexed)
20	Arya Paul, Anju S Pillai	1	A Review on RPL Objective Function Improvements for IoT Applications	2021 2nd International Conference on Advances in Computing, Communication,

				Embedded and Secure Systems (ACCESS) (Scopus Indexed)
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