

Department of Electrical and Electronics Engineering
Publications for the Academic Year 2020-2021

S.No	Faculty Name	Paper Title	Month Year	Journal Title	Volume	Issue	Page start	Page end	Indexing	Publication Type	DOI
1	Dr. B. Gunapriya	A novel home automation distributed server management system using Internet of Things	June 2021	International Journal of Ambient Energy	Inpress	NA	1	7	Scopus & SCI	Journal	https://doi.org/10.1080/01430750.2021.1953590
2	Dr. B. Gunapriya	An efficient LoRa-based smart agriculture management and monitoring system using wireless sensor networks	June 2021	International Journal of Ambient Energy	Inpress	NA	1	5	Scopus & SCI	Journal	https://doi.org/10.1080/01430750.2021.1953591
3	Dr. Arangarajan Vinayagam	The Effect of Interfacial Zone Due to ionic Surfactant Interaction on Dielectric Properties of Vegetable Oil Based Nanofluids	June 2021	IEEE Access	9	NA	107033	107045	Scopus & SCI	Journal	https://doi.org/10.1109/ACCESS.2021.3098758
4	Dr. Arangarajan Vinayagam	LSTM Recurrent Neural Network Classifier for High Impedance Fault Detection in Solar PV Integrated Power System	February 2021	IEEE Access	9	NA	32672	32687	Scopus & SCI	Journal	https://doi.org/10.1109/ACCESS.2021.3060800

5	Dr. Singaravelan A Dr. Gunapriya B	Application of Two-Phase Simplex Method (TPSM) for an Efficient Home Energy Management System to Reduce Peak Demand and Consumer Consumption Cost	April 2021	IEEE Access	9	NA	63591	63601	Scopus & SCI	Journal	https://doi.org/10.1109/ACCESS.2021.3072683
6	Dr. Vinoth Kumar K	Three Ways Chip to Chip Communication via a Single Photonic Structure: A Future Paragon of 3D Photonics to Optical VLSI	April 2021	IETE Journal of Research	Inpress	NA	1	9	Scopus & SCI	Journal	https://doi.org/10.1080/03772063.2021.1908179
7	Dr. Gunapriya B	Laser induced Breakdown Spectroscopy for new product development in mining industry	April 2021	Materials Today: Proceedings	45	9	8157	8161	Scopus & SCI	Conference	https://doi.org/10.1016/j.matpr.2021.02.459
8	Dr. Gunapriya B	Current droop control of parallel inverters in an autonomous microgrid	May 2021	Materials Today: Proceedings	45	2	2034	2039	Scopus & SCI	Conference	https://doi.org/10.1016/j.matpr.2020.09.496
9	Dr. Gunapriya B	Visualization of virtual environment through LabVIEW platform	May 2021	Materials Today: Proceedings	45	2	2306	2312	Scopus & SCI	Conference	https://doi.org/10.1016/j.matpr.2020.10.559
10	Dr. Gunapriya B	Frequency control of PV-connected micro grid system using fuzzy logic controller	May 2021	Materials Today: Proceedings	45	2	2260	2264	Scopus & SCI	Conference	https://doi.org/10.1016/j.matpr.2020.10.255
11	Dr. Vinoth Kumar K Dr. Gunapriya B	Performance based algorithm for DWT and DCL for ISL	May 2021	Materials Today: Proceedings	45	2	2317	2322	Scopus & SCI	Conference	https://doi.org/10.1016/j.matpr.2020.10.639

12	Dr. Vinoth Kumar K	A 2 × 20 Gbps hybrid MDM-OFDM–based high-altitude platform-to-satellite FSO transmission system	August 2020	Journal of Optical Communications	In Press	-	1	10	Scopus & SCI	Journal	https://doi.org/10.1515/joc-2020-0075
13	Dr. Vinoth Kumar K	ECG Cardiac arrhythmias Classification using DWT, ICA and MLP Neural Networks	April 2021	Journal of Physics Conference Series	1831	1	1	13	Scopus	Journal	https://doi.org/10.1088/1742-6596/1831/1/012015
14	Dr. Gunapriya B Dr. Palanivel P	Revolution of IoT in Energy Efficient Smart Building	March 2021	International Journal of Scientific Research in Science, Engineering and Technology	9	1	53	60	Refereed	Journal	https://ijsrset.com/paper/6971.pdf
15	Dr. Gunapriya B Ms. Suganya G	Stress -The Major Obstacle In Experiencing Euphoria	March 2021	International Journal of Scientific Research in Science, Engineering and Technology	9	1	191	196	Refereed	Journal	https://ijsrset.com/paper/6995.pdf
16	Dr.Vinoth Kumar.K Dr. Mahesh M Dr. Birendra Kumar Singh	Implementation of smart E-vehicle charging station powered by renewable energy	March 2021	International Journal of Scientific Research in Science, Engineering and Technology	9	1	11	17	Refereed	Journal	https://ijsrset.com/paper/6964.pdf
17	Dr. Mohan Das R Mr. Vinod Kumar S	Fuzzy Elman-Jordan Neural Network Based Space Vector Modulation for VSI Fed Induction Motor Drive	March 2021	International Journal of Scientific Research in Science, Engineering and Technology	9	1	256	263	Refereed	Journal	https://ijsrset.com/paper/7020.pdf

18	Mr. Muni Prakash T Ms. Rashmi N	RFID Based Attendance System using PHP and MySQL	March 2021	International Journal of Scientific Research in Science, Engineering and Technology	9	1	112	117	Refereed	Journal	https://ijsrset.com/paper/6980.pdf
19	Ms. M Karthika	Real time safety monitoring system for COVID-19	March 2021	International Journal of Scientific Research in Science, Engineering and Technology	9	1	108	111	Refereed	Journal	https://ijsrset.com/paper/6979.pdf
20	Dr. Joshua Daniel Raj Mr. Ramakrishnan S	Airport Automation using GSM	March 2021	International Journal of Scientific Research in Science, Engineering and Technology	9	1	249	255	Refereed	Journal	https://ijsrset.com/paper/7019.pdf
21	Dr. Singaravelan A	Design and implementation of COBOTS to Assist with Healthcare Workers	March 2021	International Journal of Scientific Research in Science, Engineering and Technology	9	1	70	81	Refereed	Journal	https://ijsrset.com/paper/6973.pdf
22	Mr. Sunil S K	Distributed Generation impact on voltage profile improvement in agriculture feeder –a case study	March 2021	International Journal of Scientific Research in Science, Engineering and Technology	9	1	201	206	Refereed	Journal	https://ijsrset.com/paper/7011.pdf
23	Ms. Anitha A	Development of a Residential Microgrid using Home Energy Management Systems for effective energy	March 2021	International Journal of Scientific Research in Science, Engineering and	9	1	104	107	Refereed	Journal	https://ijsrset.com/paper/6978.pdf

		conservation		Technology							
24	Mr. Lithesh J	Design of Single Inductor and Two Output DC – DC Converter	December 2020	International Journal of Scientific Research in Science, Engineering and Technology	7	6	54	59	Refereed	Journal	https://ijsrset.com/paper/6802.pdf
25	Dr. Mahesh M Dr. Vinoth Kumar K	A review on enabling technologies for high power density power electronic applications	July 2021	Materials Today: Proceedings	46	9	3888	3892	Scopus	Conference	https://doi.org/10.1016/j.matpr.2021.02.340
26	Dr. Vinoth Kumar K	The generalized non-linear fresnel transform and its applications to image encryption	December 2020	Materials Today: Proceedings	In Press	-	1	6	Scopus	Conference	https://doi.org/10.1016/j.matpr.2020.10.783
27	Dr. Vinoth Kumar K Dr. Mahesh M Dr. Gunapriya B	Execution of battery charging for electric vehicles using five level methods	March 2021	IEEE Xplorer Proceedings of the 7th International Conference on Electrical Energy Systems	NA	-	312	318	Scopus	Conference	https://doi.org/10.1109/ICEES51510.2021.9383677
28	Dr. Vinoth Kumar K	Implementation of five level battery charging scheme for Electric Vehicles	March 2021	IEEE Xplorer Proceedings of the International Conference on Power Instrumentation, Control and Computing	NA	-	1	5	Scopus	Conference	https://doi.org/10.1109/PICC51425.2020.9362438
29	Dr. Singaravelan A Dr. Mahesh M Dr. Gunapriya B	PLC-Based Fire Accident Prevention System	March 2021	Lecture Notes in Electrical Engineering	700	1	1005	1010	Scopus & WoS	Conference	https://doi.org/10.1007/978-981-15-8221-9_94

30	Dr. Singaravelan A Dr. Gunapriya B	Design and Analysis of a Higher Order Process by Employing Pspice Modelling	March 2021	Lecture Notes in Electrical Engineering	700	1	3185	3196	Scopus & WoS	Conference	https://doi.org/10.1007/978-981-15-8221-9_297
31	Dr. Gunapriya B Dr. Singaravelan A	BELBIC Study for PMBLDC Motor Drive System in Industrial Applications	March 2021	Lecture Notes in Electrical Engineering	700	1	2225	2232	Scopus & WoS	Conference	https://doi.org/10.1007/978-981-15-8221-9_207
32	Dr. Singaravelan A Dr. Gunapriya B	An Overview and Advancement of Electricity Peak Load Saving Methods: A Review	March 2021	Lecture Notes in Electrical Engineering	700	1	945	958	Scopus & WoS	Conference	https://doi.org/10.1007/978-981-15-8221-9_88
33	Dr. Singaravelan A	ANN-Based Controllers for Improved Performance of BLDC Motor Drives	July 2020	Lecture Notes in Electrical Engineering	665	1	73	87	Scopus & WoS	Conference	https://doi.org/10.1007/978-981-15-5262-5_6