

**Department of Electrical and Electronics Engineering**
**Publications for the Academic Year 2019-2020**

S.No	Faculty Name	Paper Title	Month Year	Journal Title	Volume	Issue	Page start	Page end	Indexing	Publication Type	DOI
1	Dr. Gunapriya B	Interleaved Boost Converter Based Photovoltaic Array System Employing Fuzzy Based MPPT for the Rapid Change of Solar Irradiance	June 2020	Biosc.Biotech.Res.Comm.	13	4	278	284	WoS	Journal	<a href="https://www.researchgate.net/publication/349573110_An_Improved_Intelligent_Controller_for_Brushless_DC_Motor_Drive_Based_Electric_Vehicles">https://www.researchgate.net/publication/349573110_An_Improved_Intelligent_Controller_for_Brushless_DC_Motor_Drive_Based_Electric_Vehicles</a>
2	Dr. Joshua Daniel Raj	Simplified Ciphertext Policy Attribute Based Encryption for Multimedia Applications	June 2020	Procedia Computer Science	171	NA	2713	2719	Scopus	Conference	<a href="https://doi.org/10.1016/j.procs.2020.04.294">https://doi.org/10.1016/j.procs.2020.04.294</a>
3	Dr. Prasanth Ram J	Performance enhancement of solar PV systems applying P&O assisted Flower Pollination Algorithm (FPA)	March 2020	Solar Energy	199	-	214	229	Scopus & SCI	Journal	<a href="https://doi.org/10.1016/j.solener.2020.02.019">https://doi.org/10.1016/j.solener.2020.02.019</a>
4	Dr. Ramkumar Subburam	Crowded plant height optimisation algorithm tuned maximum power point tracking for grid integrated solar	July 2019	IET Renewable Power Generation	13	12	1	13	Scopus & SCI	Journal	<a href="https://doi.org/10.1049/ietrpg.2018.5053">https://doi.org/10.1049/ietrpg.2018.5053</a>

		power conditioning system									
5	Dr. Sujitha S	Spanning trees of a triangle snake graph by BFS and DFS algorithms	July 2019	International Journal of Innovative Technology and Exploring Engineering	8	8	866	868	Scopus	Journal	<a href="https://www.ijitee.org/portfolioitem/G5353058719/">https://www.ijitee.org/portfolioitem/G5353058719/</a>
6	Dr. Sujitha S	Design and performance of high frequency temperature compensated crystal oscillator	July 2019	Journal of Advanced Research in Dynamical and Control Systems,	11	7	552	561	Scopus	Journal	<a href="http://mail.jardcs.org/abstract.php?id=1811#">http://mail.jardcs.org/abstract.php?id=1811#</a>
7	Dr. Sujitha S	Study on characteristics of a tadpole graph	July 2019	Journal of Advanced Research in Dynamical and Control Systems	11	6	857	860	Scopus	Journal	<a href="https://www.jardcs.org/abstract.php?id=1378">https://www.jardcs.org/abstract.php?id=1378</a>
8	Dr. Gunapriya B	Anti-Windup PI Controller with Tracking for BLDC Motor Drive System: Modeling, Simulation and Implementation on Lab View Based FPGA	January 2020	International Journal of Recent Technology and Engineering	8	5	2064	2070	Scopus	Journal	<a href="https://www.ijrte.org/wpcontent/uploads/papers/v8i5/D9510118419.pdf">https://www.ijrte.org/wpcontent/uploads/papers/v8i5/D9510118419.pdf</a>
9	Dr. Gunapriya B	E-metering and fault detection in smart water distribution systems using wireless network	July 2019	International Journal of Innovative Technology and Exploring Engineering	8	11	634	639	Scopus	Journal	<a href="https://www.ijitee.org/portfolioitem/K16040981119/">https://www.ijitee.org/portfolioitem/K16040981119/</a>

10	Dr. Prasanth Ram J	An Accurate, Shade Detection-Based Hybrid Maximum Power Point Tracking Approach for PV Systems	November 2019	IEEE Transactions on Power Electronics	35	6	6594	6608	Scopus & SCI	Journal	<a href="https://doi.org/10.1109/TPEL.2019.2953242">https://doi.org/10.1109/TPEL.2019.2953242</a>
11	Dr. Prasanth Ram J	Enhanced power production in PV arrays using a new skyscraper puzzle based one-time reconfiguration procedure under partial shade conditions (PSCs)	December 2019	Solar Energy	194	-	209	224	Scopus & SCI	Journal	<a href="https://doi.org/10.1016/j.solener.2019.10.020">https://doi.org/10.1016/j.solener.2019.10.020</a>
12	Dr. Prasanth Ram J	Extended analysis on Line-Line and Line-Ground faults in PV arrays and a compatibility study on latest NEC protection standards	September 2019	Energy Conversion and Management	196	-	988	1001	Scopus & SCI	Journal	<a href="https://doi.org/10.1016/j.enconman.2019.06.042">https://doi.org/10.1016/j.enconman.2019.06.042</a>
13	Dr. Gunapriya B	An Improved Intelligent Controller for Brushless DC Motor Drive Based Electric Vehicles	November 2020	Journal of Green Engineering	10	11	11943	11957	Scopus	Journal	<a href="http://www.jgenng.com/wpcontent/uploads/2020/13/volume10-issue11-131.pdf">http://www.jgenng.com/wpcontent/uploads/2020/13/volume10-issue11-131.pdf</a>
14	Dr. Sujitha S	Electronic Dice	December 2019	International Journal of Scientific Research in Science, Engineering and Technology	6	1	1	6	Refereed	Journal	<a href="http://ijsrset.com/IJSRSET19663">http://ijsrset.com/IJSRSET19663</a>
15	Dr. Sujitha S	Wireless RGB LED Light	October 2019	International Journal of Scientific Research in	4	8	163	168	Refereed	Journal	<a href="https://ijsrcseit.com/CSEIT19562">https://ijsrcseit.com/CSEIT19562</a>

				Computer Science, Engineering and Information Technology							
16	Dr. Sujitha S Ms. Deepa V B	Speed Control of single phase induction motor using AC chopper by Asymmetrical PWM	July 2019	Journal For Innovative Development in Pharmaceutical and Technical Science	2	7	5	10	Refereed	Journal	<a href="https://jidps.com/wp-content/uploads/2019/07/Speed-Control-of-Single-Phase-Induction-Motor-Using-ACChopper-by-Asymmetrical-PWM-.pdf">https://jidps.com/wp-content/uploads/2019/07/Speed-Control-of-Single-Phase-Induction-Motor-Using-ACChopper-by-Asymmetrical-PWM-.pdf</a>
17	Dr. Gunapriya B Mr. Lithesh J	LabView FPGA Implementation of Pi Controller Based BLDC Motor Drives	October 2019	International Journal of Scientific Research in Computer Science, Engineering and Information Technology	4	9	161	166	Refereed	Journal	<a href="https://ijsrcseit.com/paper/CSEIT1949134.pdf">https://ijsrcseit.com/paper/CSEIT1949134.pdf</a>
18	Mr. Vinod Kumar S Dr. Mohan Das R	Design and Development of Cleaning System for Cups Using PLC	March 2020	International Journal of Scientific Research in Science, Engineering and Technology	7	2	223	232	Refereed	Journal	<a href="https://doi.org/10.32628/IJSRSET207241">https://doi.org/10.32628/IJSRSET207241</a>
19	Dr. Mohan Das R	An Improved performance characterization VSI fed induction motor drives using Random PWM	December 2019	Proceedings of International Conference on Innovative research in Engineering, Management and Sciences, 2019	-	-	1	6	Refereed	Journal	<a href="https://newhorizonindia.edu/nhengineering/internationalconference-innovativeresearch-engineeringmanagement-sciencesicirems-">https://newhorizonindia.edu/nhengineering/internationalconference-innovativeresearch-engineeringmanagement-sciencesicirems-</a>

20	Mr. Lithesh J	Automation of Gas Tunnel KILN Using Relay Logics And Variable Frequency Drives	November 2019	Asian Journal of Mathematics and Computer Research	26	4	206	215	Refereed	Journal	<a href="https://ikprress.org/index.php/AJOCR/article/view/5235">https://ikprress.org/index.php/AJOCR/article/view/5235</a>
21	Mr. Lithesh J	Design and Development of AC Windings Calculation using MATLAB Softwares	October 2019	International Journal of Innovative Science, Engineering & Technology	6	10	326	334	Refereed	Journal	<a href="http://ijiset.com/vol6/v6s10/IJISSET_V6_I10_30.pdf">http://ijiset.com/vol6/v6s10/IJISSET_V6_I10_30.pdf</a>
22	Dr. Joshua Daniel Raj	Survey on Applications of Attribute Based Encryption in Various Networks	October 2019	International Journal of Scientific Research in Computer Science, Engineering and Information Technology	4	9	150	153	Refereed	Journal	<a href="https://ijsrcseit.com/paper/CSEIT1949192.pdf">https://ijsrcseit.com/paper/CSEIT1949192.pdf</a>
23	Mr. Muni Prakash T Mr. Ramakrishnan S Mr. Vinod Kumar S	Optimal design of power system stabilizer based on flower pollination algorithm	October 2019	International Journal of Scientific Research in Computer Science, Engineering and Information Technology	4	9	154	160	Refereed	Journal	<a href="https://ijsrcseit.com/paper/CSEIT1949193.pdf">https://ijsrcseit.com/paper/CSEIT1949193.pdf</a>
24	Ms. Deepa V B	Real Time Gesture Controlled Electrical Automation	July 2019	International Journal for Science and Advance Research in Technology	5	4	429	432	Refereed	Journal	<a href="http://ijsart.com/Home/IssueDetail/30097">http://ijsart.com/Home/IssueDetail/30097</a>
25	Ms. Deepa V B	Solar Panel Monitoring and Maintenance	October 2019	International Journal for	6	3	536	542	Refereed	Journal	<a href="http://ijsrcseit.com/CSEIT2063133">http://ijsrcseit.com/CSEIT2063133</a>

		System		Research in Computer Science, Engineering and Information Technology							
26	Dr. Singaravelan A Ms. U Viji	Augmented reality based smart glasses	October 2019	International Journal of Scientific Research in Computer Science, Engineering and Information Technology	4	9	167	172	Refereed	Journal	<a href="https://ijsrcseit.com/paper/CSEIT1949194.pdf">https://ijsrcseit.com/paper/CSEIT1949194.pdf</a>
27	Mr. Ramakrishnan S	IoT Based Motion Detector using Node MCU and BLYNK APP	October 2019	Journal of Xidian University	14	5	3112	3116	Refereed	Journal	<a href="https://vemanait.edu.in/pdf/cse/19-20-Paper/Mrs.SSuma-IoT-Based-Motion-Detector-using-Node-MCUBLYNK-App.pdf">https://vemanait.edu.in/pdf/cse/19-20-Paper/Mrs.SSuma-IoT-Based-Motion-Detector-using-Node-MCUBLYNK-App.pdf</a>
28	Ms. Roopa C	Research on Smart Shopping Cart	August 2019	International Journal of Scientific Research in Computer Science, Engineering and Information Technology	6	4	359	363	Refereed	Journal	<a href="https://doi.org/10.32628/CSEIT206468">https://doi.org/10.32628/CSEIT206468</a>
29	Ms. Roopa C	Nominal Operating Cell Temperature (NOCT)	August 2019	Journal of Emerging Technologies and Innovative Research	6	5	178	184	Refereed	Journal	<a href="http://www.jetir.org/view?paper=JETIRCD06031">http://www.jetir.org/view?paper=JETIRCD06031</a>

30	Ms. Rashmi N	Fault Detecting Robot for Underground Electrical Cables using Atmega Arduino	June 2020	International Journal of Scientific Research in Computer Science, Engineering and Information Technology	6	3	756	761	Refereed	Journal	<a href="https://doi.org/10.32628/CSEIT2063193">https://doi.org/10.32628/CSEIT2063193</a>
31	Ms. Rashmi N	Nanotechnology based Polymerized Solar Cells and Screen-Printing Technique for Power Generation	June 2020	International Journal of Scientific Research in Computer Science, Engineering and Information Technology	6	4	118	124	Refereed	Journal	<a href="https://doi.org/10.32628/CSEIT206428">https://doi.org/10.32628/CSEIT206428</a>
32	Mr. Lithesh J	Development of Matlab Software for Various Testing Parameters' Calculation of Static and Rotating Machines	November 2019	Asian Journal of Mathematics and Computer Research	26	4	206	215	Refereed	Journal	<a href="https://www.ikpress.org/index.php/AJOMCOR/article/view/4781">https://www.ikpress.org/index.php/AJOMCOR/article/view/4781</a>
33	Ms. Karthika M	Review on Torque ripple reduction techniques of BLDC motor	June 2020	Fifth International Conference on Inventive Computation Technologies (ICICT-2020), IEEE Xplorer	-	-	1092	1096	Scopus	Conference	<a href="https://doi.org/10.1109/ICICT48043.2020.9112523">https://doi.org/10.1109/ICICT48043.2020.9112523</a>

34	Mr. Muni Prakash T	Performance and Control Enhancement of Two Area Load Frequency Control Using Tandem Compound Turbine	January 2020	Innovations in Power and Advanced Computing Technologies (i-PACT), IEEE Xplorer	-	-	1	6	Scopus	Conference	<a href="https://doi.org/10.1109/i-PACT44901.2019.8960185">https://doi.org/10.1109/i-PACT44901.2019.8960185</a>
35	Dr. Singaravelan A	Design of a Non-iterative First-Order Compensator for Type 1 Higher Order Systems	December 2019	Lecture Notes in Electrical Engineering	602	-	355	368	Scopus & WoS	Conference	<a href="https://doi.org/10.1007/978-981-15-0829-5_35">https://doi.org/10.1007/978-981-15-0829-5_35</a>
36	Dr. Prasanth Ram J	Investigation of Bacterial Foraging Algorithm Applied for PV Parameter Estimation, Selective Harmonic Elimination in Inverters and Optimal Power Flow for Stability	January 2020	Lecture Notes in Electrical Engineering	665	-	135	167	Scopus & WoS	Conference	<a href="https://doi.org/10.1007/978-3-030-26458-1_9">https://doi.org/10.1007/978-3-030-26458-1_9</a>
37	Dr. Prasanth Ram J	Flower Pollination Based Solar PV Parameter Extraction for Double Diode Model	December 2019	Lecture Notes in Electrical Engineering	607	-	303	312	Scopus & WoS	Conference	<a href="https://doi.org/10.1007/978-981-15-0214-9_34">https://doi.org/10.1007/978-981-15-0214-9_34</a>
38	Dr. Prasanth Ram J	A New Array Reconfiguration Scheme for Solar PV Systems Under Partial Shading Conditions	December 2019	Lecture Notes in Electrical Engineering	607	-	387	396	Scopus & WoS	Conference	<a href="https://doi.org/10.1007/978-981-15-0214-9_43">https://doi.org/10.1007/978-981-15-0214-9_43</a>