RAJARAJESWARI COLLEGE OF ENGINEERING

Department of Electrical & Electronics Engineering

Faculty Publications

Academic year 2021-22

1. Prof. Nandini N, " Speed Control of DC motor by using Multilayer Neural Network Parameter Tuner for PI controller", Virtual 4th National Conference on VLSI Communication and Signal Processing (NCVCS-2021) on 18th August 2021.

2. Prof. SincyElezebethKuruvilla , " Platooning of Vehicles ", Virtual 4th National Conference on VLSI Communication and Signal Processing (NCVCS-2021) on 18th August 2021.

3. Prof. Shivalingaiah K L, "Comprehensive Review of Winding Configuration in Switched Reluctance Motor",International Conference on Current Trends in Multidisciplinary Research on 1st August 2021.

4. Prof. Shivalingaiah K L, "Comprehensive Review of Winding Configuration in Switched Reluctance Motor", Design Engineering, Issue: 6, Pages: 3060- 3067 ISSN: 0011-9342, 2021.

5. Prof. Prutha G, "Smart Heart Attack Detector Using Raspberry pi", Journal of Chengdu University of Technology, vol. 26, Issue 8, 2021, ISSN: 1671-9727.

Academic year 2020-21

1. Prof. Bharathi V, " Bi-directional power flow in Solar PV to maintain the Load Power Constant using PSCAD", IEEE India Council International Sub-Sections Conference (INDISCON-2020) on 3rd& 4th October 2020.

2. Prof. Bharathi V, " Bi-directional power flow in Solar PV to maintain the Load Power Constant using PSCAD", IEEE Xplore 2020.

3. Prof. Bharathi V, "A Detailed Analysis of Microgrids", Advanced Aspects of Engineering Research Vol. 13, pp. 95-107, 12th May 2021.https://doi.org/10.9734/bpi/aaer/v13/9414D

4. Prof. Shivalingaiah K L, "Comprehensive Review of Winding Configuration in Switched Reluctance Motor", 3-Day International Conference (Online) Recent Trends in Electrical, Electronics, Telecommunications, Instrumentation, Medical Electronics

Engg. & Physics (IC RTEETIMP-2020), at DAYANANDA SAGAR COLLEGE OF ENGINEERING, on 7th - 9th December 2020.

Academic year 2019-20

1. Prutha G, "Smart Cane for Blind People using Raspberry PI and Arduino" International Journal of Recent Technology and Engineering (IJRTE), ISSN: 2277-3878, Volume-9 Issue-1, May 2020, DOI:10.35940/ijrte.A2498.059120

2. Prof. Shivalingaiah K L, "Performance Analysis of Switched Reluctance motor with different core material", JETIP, vol. 7, issue 7, ISSN-2349-5162, pp no. 781-785, July 2020.

3. Dr. N Saravanan, "Study of Electricity Generation Using Sediment Microbial Fuel Cell" International Journal of Advance Research and Innovative Ideas in Education, Vol-6 Issue-3, June 2020.

4. Dr. N Saravanan, "Secure and high-speed Cryptography architectural design techniques for Internet of Things", Journal of Critical Reviews (JCR), vol. 7 Issue 14, pp. 7880 – 7890, June 2020.

5. Dr. N Saravanan, "Automated Multipurpose Metering System", TEST Engineering & Management Magazine vol. 83, pp. 23017-23020, June 2020.

6. Prof. Bharathi V, "Camouflage Technique Wireless Multifunctional Army Robot", Journal of Critical Reviews (JCR), vol. 7 Issue 14, pp.1877 – 1886, June 2020.

7. Prof. Avinash C M, "Mobile Integrated Smart Irrigation System using IoT", Journal of Critical Reviews (JCR), vol. 7 Issue 14, pp.1857 – 1861, June 2020.

8. Prof. SincyElezebethKuruvilla, "A Novel Design of Flower tying machine", Journal of Critical Reviews (JCR), vol. 7 Issue 14, pp. 1783 – 1786, June 2020.

9. Prof. Nandini N, "View of Microcontroller based waste segregator and management of wet waste to produce Organic Fertilizer", International Journal of Advanced Science and Technology, vol. 29, n0.06, June 2020.

10. Prof. Bharathi V, "An Anatomization of Microgrids", International Journal of Recent Technology and Engineering (IJRTE), Vol.No: 8, Issue 6S, pp. 95-100, March 2020.

11. Prof. SincyElezebethKuruvilla, "Comparison of estimated power transfer in transmission line with and without shunt compensator using different line models", International Journal of Recent Technology and Engineering (IJRTE), Vol.No: 8, Issue 6S, pp. 107-112, March 2020.

12. Prof. Kiruthika K, "Optimal PMU placement using enhanced PSO algorithm", International Conference on Computing, Communication and Energy System 2020

(ICCCES-20), MEA ENGG., COLLEGE, KERALA, issue no. 319, ISBN 978-93--5406-319-0

13. Prof. Bharathi V, Dr. Saravanan N and Prof. Avinash C M, "M2M Based communication for smart parking system", International Journal Of Advance Research And Innovative Ideas In Education (IJARIIE), Vol. 5, Issue 6, 2019.

14. Prof. Kiruthika K, "Optimal PMU placement using enhanced PSO algorithm", Journal of Advanced Dynamical Control Systems (JARDCS), Indexed in Scopus, Vol.12, special issue 4, May 2020.

15. Prof. Kiruthika K, "Microcontroller based monitoring and control of fault detection in transmission line using protest software", International Conference on Electrical and Electronics Engineering-(ICIET-20), May 2020.

ACADEMIC YEAR 2018-19

1. Prof. SincyElezebethKuruvilla, "Comparison of estimated power transfer in transmission line with and without shunt compensator using different line models", International Conference on Emerging Trends in Electrical, Electronics and computer Engineering in the Domains of Renewable Energy Sources, Electric Vehicle and Smart Grid (ICETEEC-2019), 25th & 26th July 2019

2. Dr.Saravanan N , "variable frequency drive used in treadmill", International Research Journal of Engineering and Technology (IRJET) , VOL 06, July 2019, e-ISSN: 2395-0056

3. Prof. SincyElezebethKuruvilla : "Generation of Electricity by Wind tree turbine" in 3rd National Conference on VLSI, Communication and Signal Processing (NCVCS-19)- 14th May 2019.

4. Prof. SincyElezebethKuruvilla : "Efficient generation by wind tree turbine using Agro leaves" in 3rd National Conference on " Signal Processing, Biomedical, Computing and Networking (SPBCN)" - 21st May 2019.

5. Prof. Nandini N, "An Electric vehicle charging station using POD technique" in 3rd National Conference on " Signal Processing, Biomedical, Computing and Networking (SPBCN)"- 21st May 2019.

ACADEMIC YEAR 2017-18

1. Prof. ASR Murthy : "Low power driver receiver topology with delay optimization for on chip bus interconnects" in International Journal of Engineering and technology (UAE). July 2018, ISSN: 2227-524X, Paper ID: SCOPUS000105.

2. Prof. ASR Murthy : "Comprehensive study on the signaling schemes in on chip interconnects." in 3rd IEEE International Conference on Recent Trends in Electronics, Information & Communication Technology (RTEICT-2018), May 18th & 19th .

3. Prof. ASR Murthy : "Power Efficient clock distribution for switched capacitor DC-DC converters" in Indonesia Journal Of Electrical Engineering and Computer Science (Scopus Indexed)- Vol. 10, No. 1, April 2018, PP 27-36, ISSN: 2502-4752..

4. Prof Praveen A Patil : "Wireless battery charging for electrical vehicles" in International Journal of Electrical, Electronics and Computer systems (IJEECS), vol 6, Issue 5, 2018. ISSN: 2347-2820.

5. Prof. SincyElezebethKuruvilla : "Smart water supply monitoring system." in International Journal of Electrical, Electronics and Computer systems (IJEECS), vol 6, Issue 7, 2018. ISSN: 2347-2820.

6. Prof Avinash C M : "Transformer Parameter measurement using Wi-Fi." in International Journal of Electrical, Electronics and Computer systems (IJEECS), vol 6, Issue 5, 2018. ISSN: 2347-2820.

7. Prof Pavan Kumar K R : "Energy efficient solar stove" in International Journal of Electrical, Electronics and Computer systems (IJEECS), vol 6, Issue 7, 2018. ISSN: 2347-2820.

8. Prof. SincyElezebethKuruvilla and Prof. Pavan Kumar K R : "Solar powered automated water supply for public service" in National Conference – NCBSIPE 2017, ACS college   of Engineering.

9. Prof Praveen A Patil : "Peak Power load management using IOT" in 3rd national conference on Recent advancements in Electrical & Electronics Technology, Dr TTIT-Dr.T.Thimmaiah Institute of Technology.

10. Prof Praveen A Patil : "Wireless battery charging for electrical vehicle" in 3rd national conference on Recent advancements in Electrical & Electronics Technology, Dr TTIT-Dr.T.Thimmaiah Institute of Technology.

11. Prof Pavan Kumar K R : "Energy efficient solar stove" in 3rd national conference on Recent advancements in Electrical & Electronics Technology, Dr TTIT-Dr.T.Thimmaiah Institute of Technology.

12. Prof. SincyElezebethKuruvilla : "Smart water supply monitoring system." in 3rd national conference on Recent advancements in Electrical & Electronics Technology, Dr TTIT-Dr.T.Thimmaiah Institute of Technology.

13. Prof Avinash C M : "Transformer Parameter measurement using Wi-Fi." in 3rd national conference on Recent advancements in Electrical & Electronics Technology, Dr TTIT-Dr.T.Thimmaiah Institute of Technology.

14. Prof Avinash C M : "Smart meters for modern grids." in 3rd national conference on Recent advancements in Electrical & Electronics Technology, Dr TTIT-Dr.T.Thimmaiah Institute of Technology.

ACADEMIC YEAR 2016-17

1. Dr Arunachalam M : "Retrofits and upgrades in Power transmission systems using HVDC & FACTS technologies" in Published in Annual Techquical volumes of Electrical Engineering Board Journal, Vol 2 - 2016.

2. Prof .Rashmi J. V. : "Lab view Based Industrial Pollution monitoring system" in National Conference on Advanced Technique in Electrical and Electronics Engineering NCATEE-17 held on 10 may , 2017 Organized by electrical and Electronics engineering, SJBIT- Bengaluru.

3.Prof.Nandini N and Prof. Pradeepa D : "MPPT based improvement of solar power Efficiency using Labview" in National Conference on Advanced Technique in Electrical and Electronics Engineering NCATEE-17 held on 10 may , 2017 Organized by electrical and Electronics engineering, SJBIT- Bengaluru.

4. Prof. Nandini N : "Wind driven Induction generator for supplying a DC microgrid using MPPT controller" in National Conference on Advanced Technique in Electrical and Electronics Engineering NCATEE-17 held on 10 may , 2017 Organized by electrical and Electronics engineering, SJBIT- Bengaluru.

ACADEMIC YEAR 2015-16

1. Dr Arunachalam M : "Dynamic operation of control scheme for hybrid Static Synchronous Series Capacitor" in CPRI Journal, Vol 12, No 1, pp 13-22, March 2016.

2.Prof.Praveen A Patil, Prof. Praveen M . K, Prof.Avinash C M andProf.Rashmi J V : "Simulation Studies on Solar Photovoltaic Module for Different Temperature and wavelength" in International Journal of Engineering Sciences & Research Technology. ISSN: 2277-9655, December 2015, PP 553-556.

3.Prof.Bharathi V, Prof.Avinash C M, Prof.Praveen M K and Prof.Praveen A Patil, : "Advanced Model Predictive Temperature Control of Multiphase System using LabVIEW Technique" in International Journal of Current Research ISSN:0975-833X vol.8,Issue 01, Jan 2016, pp. 25295-25299.

4. Prof. Sincy E K, Prof.Pavan Kumar K R and Prof. Pradeepa D : "Solar Powered Automated water supply for Public Service" in International Journal of Innovative Research Computer and Communication Engineering, ISSN: 2320-9801,Vol.4, Special Issue 3,April 2016, PP 84-88.

5.Prof.Praveen M K, Prof.Avinash C M, Prof.Praveen A Patil, Prof.Rashmi J V and Prof. Bharathi V : "A research study on Solar Photovoltaic module for different Temperature and wavelength using MatLab Simulation" in International Journal of Electrical and Electronics Engineers (IJEEE), ISSN 2321-2055 Vol 08, Issue 01, Jul 2016.

6. Prof. Pradeepa D and Prof. Pavan Kumar K R : "LIFI based audio communication and device switching" in International Journal of Advanced Networking & Applications (IJANA) , ISSN:0975-0282, pp 202-204, May 2016.