



LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING (Autonomous)

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Affiliated to JNTUK, Kakinada & Approved by AICTE, New Delhi.

Accredited by NAAC, “CPE” status by UGC, Certified by ISO 9001:2015

Research & Development

Department of Electrical & Electronics Engineering

Publications for the A.Y 2019-20

S.No	Name of the authors	Title of the paper	Name of the Journal	Indexing
1	G.Nageswara Rao, K.R.L.Prasad, J.Sivavara Prasad	Enhanced Performance of Induction Motor with Direct Field Oriented Control Drive using Space Vector Pulse Width Modulation	International Journal of Recent Technology and Engineering (IJRTE), ISSN 2277-3878, Volume-8 Issue-2S8, August 2019	Scopus Indexed
2	Sudha Dukkupati, A V G A Marthanda, G G Rajasekhar, Malligunta Kiran Kumar	Design Analysis and Implementation of a Three Phase Seven Level PV & Wind based Microgrid	International Journal of Innovative Technology and Exploring Engineering (IJITEE) ISSN: 2278-3075, Volume-8 Issue-10, August 2019	Scopus Indexed
3	S. V. R. Lakshmi Kumari, M. Uma Vani	Analysis of Various Control Schemes of Dynamic Voltage Restorer for Power Quality Improvement in Distribution System	International Journal of Innovative Technology and Exploring Engineering (IJITEE) ISSN: 2278-3075, Volume-8 Issue-9S3, July 2019	Scopus Indexed
4	S Prasadarao K, Nagalinga Chary Kodavatiganti, A V Ravikumar	PV Based Agricultural Pumping System using Boost Inverter Fed Induction Motor	International Journal of Recent Technology and Engineering (IJRTE) ISSN: 2277-3878, Volume-8 Issue-3, September 2019	Scopus Indexed
5	V.S. Prasadarao K. G. Tabita, P. Srihari	Closed Loop Control of CSC converter Using PI and Fuzzy Logic Controllers for DC Motor Driven Applications	<i>International Journal on Emerging Technologies</i> 10(2): 323-327(2019) ISSN No. (Print) : 0975-8364 ISSN No. (Online) : 2249-3255	Scopus Indexed
6	Ch. Rami Reddy, K. Harinadha Reddy	Passive Islanding Detection Technique for Integrated Distributed Generation at Zero Power Balanced	International Journal Of Integrated Engineering Vol. 11 NO. 6 (2019) 126-137. ISSN : 2229-838X e-ISSN : 2600-7916	SCI Indexed

		Islanding		
7	Raghu Thumu, K. Harinadha Reddy	PI, Fuzzy Based Controllers for FACTS Device in Grid Connected PV System	International Journal Of Integrated Engineering VOL. 11 NO. 6 (2019) 176–185. ISSN : 2229- 838X e-ISSN : 2600- 7916	SCI Indexed
8	Ch. Rami Reddy, K. Harinadha Reddy	NDZ Analysis of Various Passive Islanding Detection Methods for Integrated DG System over Balanced Islanding	International Journal Of Integrated Engineering Vol. 11 NO. 8 (2019) 206–220, Dec 2019, ISSN : 2229-838X e- ISSN : 2600-7916	SCI Indexed
9	J.Sivavara Prasad, K.R.L.Prasad, G.Nageswara Rao	Research on Single Input and Regulated Multiple Output Isolated Dc-Dc Soft Deviceing Converter	International Journal of Recent Technology and Engineering (IJRTE) ISSN: 2277-3878, Volume-8, Issue-2S3, July 2019	Scopus Indexed
10	Dr. A V G Marthanda Dr. G V Marutheswar	COMPENSATE CONTROL STRATEGY IN PV-WIND HYBRID SYSTEM WITH UNBALANCED LOAD	International Journal of Advanced Science and Technology Vol. 29, No. 4, (2020), pp. 848-857, ISSN: 2005-4238, Jan 2020	Scopus Indexed
11	Pandala Rathnakar Kumar, Rowthu Padma	A Novel Control Method for Integration of Battery Energy Storage System in Microgrid for Energy Management System	International Journal of Innovative Technology and Exploring Engineering (IJITEE) ISSN: 2278-3075, Volume-9 Issue-2, December 2019	Scopus Indexed
12	R.Padma, P.Sobha Rani R.Sarveswara Prasad	Power Quality Enhancement in Grid PV system using Fuzzy Controller	International Journal of Advanced Science and Technology Vol. 29, No. 4, (2020), pp. 994-1002, Jan 2020, ISSN: 2005- 4238	Scopus Indexed
13	Mrs. K. Srilakshmi Lavanya, Mrs. R. Padma, Dr. P. Sobha Rani	Modelling of Switched Reluctance Motor Using Finite Element Analysis	Test Engineering and Management, January - February 2020 ISSN: 0193 - 4120 , Volume 82, Page No. 11358 - 11366	Scopus Indexed
14	J.Sivavara Prasad , G.Nageswara Rao , K.R.L.Prasad	FPGA Based Control of Single Phase Three Level Soft Switching Isolated DC-DC Converter	Test Engineering and Management, January - February 2020 ISSN: 0193 - 4120 , Volume 82, Page No. 11593 - 11599	Scopus Indexed

15	M.S.Giridhar, R.Sarveswara Prasad, P.Sobha Rani	Simulation and Modelling Of Wind Energy Generator for Smart Grid	Test Engineering and Management, January - February 2020 ISSN: 0193 - 4120 , Volume 82, Page No. 11578 - 11582	Scopus Indexed
16	B.Dhanunjay Nayak Dr. J. Siva Vara Prasad	Three Level Isolated DC-DC Soft Switching Converter for High Power Application	Test Engineering and Management, January - February 2020 ISSN: 0193 - 4120 , Volume 82, Page No. 13773 – 13787	Scopus Indexed
17	Mr.G.Nageswara Rao , Mr.J.Sivavara Prasad Mr.K.R.L.Prasad Mr.J.V.avan Chand	Novel Field Oriented Direct Control Using SVPWM for Analysis of Induction Motor	Jour of Adv Research in Dynamical & Control Systems, Vol. 12, Issue-02, 2020, Jan 2020, ISSN 1943-023X	Scopus Indexed
18	T.Jyostna Devi, P.Sobha Rani	Implementation of Cascaded Switched Diode Multilevel Inverter for Photovoltaic Integration	Test Engineering and Management, January - February 2020 ISSN: 0193 - 4120 , Volume 82, Page No. 11558 - 11562	Scopus Indexed
19	T. Nagadurgaa, P. V. R. L. Narasimhamc and V. S. Vakula	Global maximum power point tracking of solar PV strings using the teaching learning based optimisation technique	International Journal of Ambient Energy, pages 1-12, Feb 2020, ISSN: 0143-0750 (Print) 2162-8246 (Online)	SCI Indexed
20	K.R.L.Prasad , J.Sivavara Prasad, G.Nageswara Rao	Solar Based Soft Switching Isolated Dc-Dc Converter to Generate Five Regulated Dc Output Voltages	Test Engineering and Management, January - February 2020 ISSN: 0193 - 4120 , Volume 82, Page No. 16250 - 16255	Scopus Indexed
21	Malladi Venkata Naga Sai Priyanka , Punnam Jitendra , Gondhi Anant Kumar , K. Ramalingeswara Prasad	Autonomous Robot with GPS navigation control and tracking system by wireless sensor networks	Compliance Engineering Journal, ISSN NO: 0898-3577, Volume 11, Issue 3, 2020, April, 2020, Pages 399-406	Scopus Indexed
22	Kammani Srinivas , Gopu Venkata Vidya Sagar , Madiri Prasanthi , K. Nagalinga Chary	Smart Attendance System Using Arduino and GSM	Compliance Engineering Journal, ISSN NO: 0898-3577, Volume 11, Issue 4, 2020, April, 2020, Pages 161-166	Scopus Indexed
23	K. Maheswari l , K. Tharuni Krishna, K. Gousepeera, Mr.k.Naga linga chary	Underground fault detection using ARDUINO,GSM and GPS	Compliance Engineering Journal, ISSN NO: 0898-3577, Volume 11, Issue 4, 2020, April, 2020, Pages 167-172	Scopus Indexed
24	G. Hari Krishna, P. Baby Rani, K.Chandu, R.Padma	GSM and Bluetooth Based Smart Noticing System	Compliance Engineering Journal, ISSN NO: 0898-3577, Volume 11, Issue 4, 2020, April, 2020, Pages 8-91	Scopus Indexed

25	CH. Naga Sriharshini , LMVV. Jaya Praneeth , B.Lakshmi , A.V. Ravi Kumar	Smart Feeder Using IOT	Compliance Engineering Journal, ISSN NO: 0898- 3577, Volume 11, Issue 3, 2020, April, 2020, Pages 520-524	Scopus Indexed
26	K Rakesh, K Ravi Kishore Reddy , S Vinay, Dr. A V G A Marthanda	Grid Connected Single Step Bi-Directional Inverter for Battery Energy Storage System	International Journal for Modern Trends in Science and Technology ISSN: 2455-3778 :: Volume: 06, Issue No: 04, April 2020	Open Access
27	Allamsetti Bhavana , Talluri Kalyani, Namburi Ramya , K. Ramalingeswara Prasad	Modelling and Simulation Analysis of Two-Diode PV module using MATLAB	Compliance Engineering Journal, ISSN NO: 0898- 3577, Volume 11, Issue 4, 2020, April, 2020, Pages 16-24	Scopus Indexed
28	Sai Manoj Challa, Madaka Yaswanth Kumar,Pasupuleti Jayanthi Devi, P.Srihari	POWER THEFT DETECTION USING ARDUINO, GSM AND GPS	Compliance Engineering Journal, ISSN NO: 0898- 3577, Volume 11, Issue 3, 2020, April, 2020, Pages 450-454	Scopus Indexed
29	N.Susmitha, T.Revanth, S.Anvesh Reddy, P.Sobha Rani	Performance Analysis of Induction Motor using Ansys	International Journal of Innovative Technology and Exploring Engineering (IJITEE) ISSN: 2278-3075, Volume-9 Issue-6, April 2020	Scopus Indexed
30	Ch. Amarendra K. Harinadha Reddy	PSO Supported Dual Matrix Converter for Doubly fed Induction Generated Driven by Variable Speed Wind Turbine System	International Journal Of Renewable Energy Research, Vol.10, No.1, March, 2020, ISSN 1309-0127	SCI Indexed
31	Ramisetty Hrushi Hari Hrudhay, Karnatakam Vishnu , J.V.Pavan Chand	Desgin Of A Fuel Free Prime Mover By Controlling A Permanent Magnet Base IC Engine	Compliance Engineering Journal, ISSN NO: 0898- 3577, Volume 11, Issue 5, 2020, May, 2020, Pages 148-153	Scopus Indexed
32	G.Vara Lakshmi , U.Ganesh , C.Sai Venkata Sahadev , Dr. P.Sobha Rani	Industrial Automation with Raspberry Pi and IoT	International Journal of Advanced Science and Technology Vol. 29, No. 5, (2020), pp. 3534 – 3539, ISSN: 2005-4238	Scopus Indexed
33	Shaik Nayeem Basha , Allamsetti Deepak , Mikkili Ratna Raju , Mrs. K Sri Lakshmi Lavanya	Simulation of 8/6 Switched Reluctance Motor using ANSYS - MAXWELL 2D	Compliance Engineering Journal, ISSN NO: 0898- 3577, Volume 11, Issue 5, 2020, May, 2020, Pages 179-185	Scopus Indexed

34	Kakunuri Varshitha , Tangirala Nikhil Sai, Suresh Banavathu, K. Harinadh Reddy	Parameter Identification of Super Capacitor using Recursive Least Square Technique	International Journal of Innovative Technology and Exploring Engineering (IJITEE) ISSN: 2278-3075, Volume-9 Issue-7, May 2020	Scopus Indexed
35	P.V.L. Narasimha, K. Sandeep babu, Y. Venkata sai, Y. Raghuvamsi	Power Quality Submetering using Iot	International Journal of Innovative Technology and Exploring Engineering (IJITEE) ISSN: 2278-3075, Volume-9 Issue-7, May 2020	Scopus Indexed
36	Gunapati Rahul , Vangaveeti Prathyusha , Ganji Lokesh , Injamala Ashajyothi, MB Chakkravaarthy	Integration of Renewable Energy Sources to Grid With Optimal Power Flows	Compliance Engineering Journal, ISSN NO: 0898- 3577, Volume 11, Issue 5, 2020, May, 2020, Pages 125-132	Scopus Indexed
37	Katakum Tejaswi , Daravathu Sai Balaji Naik , Annavarapu Sai Teja , M B Chakkravaarthy	Architecture & Modeling of a Three Phase Core Type Transformer By Operating ANSYS Maxwell Software	Compliance Engineering Journal, ISSN NO: 0898- 3577, Volume 11, Issue 5, 2020, May, 2020, Pages 55-59	Scopus Indexed
38	Muthanapalli Jaya Saketh , Chennu Naveen Varma , Venigalla Vijaya Sri , P. Deepak Reddy	Analysing the Functionality of Locally Controlled Power Supply for a Solar PV based Load	Compliance Engineering Journal, ISSN NO: 0898- 3577, Volume 11, Issue 5, 2020, May, 2020, Pages 39-45	Scopus Indexed
39	Jahnavi Chukka, Mercy Grace Jetti, Anosh Kumar Ramiseti, Imran Abdul	Transient Stability Improvement of Power System By Controlling PSS and SVC	Compliance Engineering Journal, ISSN NO: 0898- 3577, Volume 11, Issue 5, 2020, May, 2020, Pages 31-38	Scopus Indexed
40	B. Deepthi , V. Pradeep Saradhi , P. Raja Yogendra, R. Padma	Portable Solar Panels Using Origami Techniques	Compliance Engineering Journal, ISSN NO: 0898- 3577, Volume 11, Issue 4, 2020, April, 2020, Pages 92-96	Scopus Indexed
41	Garimella Manasa , Ravuri Praveen Chandra, Chittala Siva Kumar , K.S.L. Lavanya	Construct and Assessment of PMBLDC motor designed for Radiator fan for implementation by employing Ansys Maxwell software program	Compliance Engineering Journal, ISSN NO: 0898- 3577, Volume 11, Issue 4, 2020, April, 2020, Pages 172-179	Scopus Indexed
42	N. Manjula , N. Venkat , N. Kalyan Kumar T. Naga Durga	Power Factor Correction Using ARDUINO	Compliance Engineering Journal, ISSN NO: 0898- 3577, Volume 11, Issue 4, 2020, April, 2020, Pages 192-198	Scopus Indexed

43	Kotcherla jaya lakshmi likhitha , Lakanavarapu Rajesh, Bezawada Ravindra , G.Tabita	Wind Energy Conversion System Using Induction Generator	Compliance Engineering Journal, ISSN NO: 0898-3577, Volume 11, Issue 4, 2020, April, 2020, Pages 154-160	Scopus Indexed
44	Kakkirala Saranya , Kondaveeti Rashmi,CH.Harsha Babu, Parri Srihari	Smart Home Control And Monitoring System Using ARDUINO UNO	Compliance Engineering Journal, ISSN NO: 0898-3577, Volume 11, Issue 4, 2020, April, 2020, Pages 178-181	Scopus Indexed
45	Kandrakonda Vinay Krishna , Boddu Himajakala , Surisetty Suresh Babu , Bezawada Pangedaiah	Islanding Detection Of Solar Connected Hybrid System	Compliance Engineering Journal, ISSN NO: 0898-3577, Volume 11, Issue 5, 2020, May, 2020, Pages 270-278	Scopus Indexed
46	G. Rupa Sri Venkata Naga Pavani, T. Snehitha, Sk. Arif, Y. Raghu Vamsi	Simulation of a Bidirectional Series Z - Source Circuit Breaker	Compliance Engineering Journal, ISSN NO: 0898-3577, Volume 11, Issue 5, 2020, May, 2020, Pages 311-319	Scopus Indexed
47	Suneetha Kuna, K Nandini, N V Narendra Reddy, Kadapa Harinadha Reddy	Simulation and Analysis of Fault Characteristics of Distributed Solar Generation	International Journal of Innovative Technology and Exploring Engineering (IJITEE) ISSN: 2278-3075, Volume-9 Issue-8, June 2020	Scopus Indexed
48	B.Yaswanth Kumar, A.Sai Swaroop, K.Sai Charan, G.Tabitha	Smart Wind Generation System	International Journal of Innovative Technology and Exploring Engineering (IJITEE) ISSN: 2278-3075, Volume-9 Issue-8, June 2020	Scopus Indexed
49	K.Keerthi, L.Durga, K.Dilip, CH.Rajesh	Implementation of Autonomous Wind–Solar with FIG Feeding 3-Phase 4-WireLoads	Compliance Engineering Journal, ISSN NO: 0898-3577, Volume 11, Issue 6, 2020, June, 2020, Pages 97-102	Scopus Indexed
50	Banavath Priyanka Babybai1, Sarnala Rajesh Babu, Gudise Anusha, CH.Rajesh	Implementation of MPPT technique of Solar PV panel using Artificial Neural Networks	Compliance Engineering Journal, ISSN NO: 0898-3577, Volume 11, Issue 6, 2020, June, 2020, Pages 211-215	Scopus Indexed
51	Banavathu Raghu Naik , Burri PurnaChandra Rao, Mudavath Lakshma Naik , P Deepak Reddy	Small – Signal Model Of PWM DC-DC Converters In Continuous Conduction Mode (CCM)	Compliance Engineering Journal, ISSN NO: 0898-3577, Volume 11, Issue 6, 2020, June, 2020, Pages 122-126	Scopus Indexed
52	K.Anil kumar,T.Kiran sai, P.Tharun, J.Siva vara Prasad	Design Of Buck-Boost DC-DC Power Converter For Micro Grid Energy Storage Using Matlab	Compliance Engineering Journal, ISSN NO: 0898-3577, Volume 11, Issue 6, June, 2020, Pages	Scopus Indexed

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53	G Bhargavi , N bashi, N K Chaithanya, Dr. J Sivavara Prasad	Portable Solar Power Generation Using Photovoltaic Blanket	Compliance Engineering Journal, ISSN NO: 0898-3577, Volume 11, Issue 6, 2020, June, 2020, Pages 243-248	Scopus Indexed
54	R. Venkata Venu, J. Pallavi, S. Umesh, Mr.B. Pangedaiah	Design of Single Conversion Stage with MPPT for Grid Connected Hybrid Wind-Driven PMSG-PV using MATLAB	Compliance Engineering Journal, ISSN NO: 0898-3577, Volume 11, Issue 6, 2020, June, 2020, Pages 273-277	Scopus Indexed
55	K. Harinadha Reddy	Performance Analysis of Solar Energy System with Bidirectional Converters and Using Fuzzy Inference Based Modified Inertia PSO Technique	International Journal on Electrical Engineering and Informatics - Volume 12, Number 1, March 2020,ISSN 2085-6830	Scopus Indexed
56	Y. Raghuvamsi, Imran Abdul, Ch. Rajesh	Improvement of Small Signal Stability of SMIB System with Optimized Power System Stabilizer	International Journal of Innovative Technology and Exploring Engineering (IJITEE) ISSN: 2278-3075, Volume-9 Issue-7, May 2020	Scopus Indexed
57	Sunkara Gopi Kalyan , Bollepogu Vamsi , Goriparthi Sravani , P.Rathnakar Kumar	Modelling and Simulation of Improved Operation of DSTATCOM in Distribution system using MATLAB	Compliance Engineering Journal, ISSN NO: 0898-3577, Volume 11, Issue 4 2020, May, 2020, Pages 110-114	Scopus Indexed
58	Dharmavarapu. Yamuna Sai , Gandu. Yaraswini , Dasari.mahesh , DR.M.S.Giridhar	Speed Control Of Three Phase BLDC Motor For Four Quardrent Operation	Compliance Engineering Journal, ISSN NO: 0898-3577, Volume 11, Issue 6, 2020, June, 2020, Pages 278-284	Scopus Indexed
59	Nutakki Vijay Kumar, Mandapati Praveen Kumar, Sk.Umar Farooq, M.S.Giridhar	Power Extension Of Solar Inverter Using Battery Energy Storage System	Compliance Engineering Journal, ISSN NO: 0898-3577, Volume 11, Issue 5, 2020, May, 2020, Pages 290-294	Scopus Indexed
60	A.Sravani 1,S.Daniel, Prashanth, P. Naveen, G.Nageswara Rao	Economic And Technical Evaluation Of Solar Assisted Water Pumping System Using MPPT Technique	Compliance Engineering Journal, ISSN NO: 0898-3577, Volume 11, Issue 6, 2020, June, 2020, Pages 265-272	Scopus Indexed
61	K Hareesh, A Siva Satya Reddy, Ch Dinesh, Imran Abdul	Automatic Load Disconnection and Reconnection to Power System using	International Journal for Modern Trends in Science and Technology ISSN: 2455-3778 ::	Open Access

		Controllable Loads	Volume: 06, Issue No: 06, June 2020	
62	Gantasala Sravani,Vengala Ganesh, Sornala Naga Lakshman , G .Nageswara Rao	Speed Control Of BLDC Motor Using UVT Generation Techniques	Compliance Engineering Journal, ISSN NO: 0898- 3577, Volume 11, Issue 5, 2020, May, 2020, Pages 10-17	Scopus Indexed

R & D Coordinator

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