



## LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING (Autonomous)

L.B.Reddy Nagar, Mylavaram – 521 230, Andhra Pradesh, INDIA.

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

#### Student Publications for the A.Y 2019-20

S.No	Name of the authors	Title of the paper	Name of the Journal	Indexing
1	B.Dhanunjay Nayak <b>J. Siva Vara Prasad</b>	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
2	T.Jyostna Devi, <b>P.Sobha Rani</b>	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
3	Malladi Venkata Naga Sai Priyanka , Punnam Jitendra , Gondhi Anant Kumar , <b>K. Ramalingeswara Prasad</b>	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
4	Kammani Srinivas , Gopu Venkata Vidya Sagar , Madiri Prasanthi , <b>K. Nagalinga Chary</b>	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
5	K. Maheswari l , K. Tharuni Krishna, K. Gousepeera, <b>Mr.k.Naga linga chary</b>	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
6	G. Hari Krishna, P. Baby Rani, K.Chandu, <b>R.Padma</b>	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
7	CH. Naga Sriharshini , LMVV. Jaya Praneeth , B.Lakshmi , <b>A.V. Ravi Kumar</b>	Smart Feeder Using IOT	Compliance Engineering Journal, ISSN NO: 0898-3577, Volume 11, Issue 3, 2020, April, 2020, Pages 520-524	Scopus Indexed
8	K Rakesh, K Ravi Kishore Reddy , S Vinay, <b>Dr. A V G A</b>	Grid Connected Single Step Bi-Directional Inverter for Battery Energy Storage System	International Journal for Modern Trends in Science and Technology ISSN: 2455-3778 ::	Open Access

	<b>Marthanda</b>		Volume: 06, Issue No: 04, April 2020	
9	Allamsetti Bhavana , Talluri Kalyani, Namburi Ramya , <b>K. Ramalingeswara Prasad</b>	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
10	Sai Manoj Challa, Madaka Yaswanth Kumar,Pasupuleti Jayanthi Devi, <b>P.Srihari</b>	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
11	N.Susmitha, T.Revanth, S.Anvesh Reddy, <b>P.Sobha Rani</b>	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
12	Ramisetty Hrushi Hari Hrudhay, Karnatakam Vishnu , <b>J.V.Pavan Chand</b>	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
13	G.Vara Lakshmi , U.Ganesh , C.Sai Venkata Sahadev , <b>Dr. P.Sobha Rani</b>	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
14	Shaik Nayeem Basha , Allamsetti Deepak , Mikkili Ratna Raju , Mrs. <b>K Sri Lakshmi Lavanya</b>	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
15	Kakunuri Varshitha , Tangirala Nikhil Sai, Suresh Banavathu, <b>K. Harinadh Reddy</b>	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
16	P.V.L. Narasimha, K. Sandeep babu, Y. Venkata sai, <b>Y. Raghuvamsi</b>	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
17	Gunapati Rahul , Vangaveeti Prathyusha , Ganji Lokesh , Injamala Ashajyothi,	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,	Scopus Indexed

	<b>MB Chakkravaarthy</b>		Pages 125-132	
18	Katakum Tejaswi , Daravathu Sai Balaji Naik , Annavarapu Sai Teja , <b>M B Chakkravaarthy</b>	Architecture & Molding 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
19	Muthanapalli Jaya Saketh , Chennu Naveen Varma , Venigalla Vijaya Sri , <b>P. Deepak Reddy</b>	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
20	Jahnavi Chukka, Mercy Grace Jetti, Anosh Kumar Ramiseti, <b>Imran Abdul</b>	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
21	B. Deepthi , V. Pradeep Saradhi , P. Raja Yogendra, <b>R. Padma</b>	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
22	Garimella Manasa , Ravuri Praveen Chandra, Chittala Siva Kumar , <b>K.S.L. Lavanya</b>	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
23	N. Manjula , N. Venkat , N. Kalyan Kumar <b>T. Naga Durga</b>	Power Factor Correction Using ARDUINO	Compliance Engineering Journal, ISSN NO: 0898- 3577, Volume 11, Issue 4, 2020, April, 2020, Pages 192-198	Scopus Indexed
24	Kotcherla jaya lakshmi likhitha , Lakanavarapu Rajesh, Bezawada Ravindra , <b>G.Tabita</b>	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
25	Kakkirala Saranya , Kondaveeti Rashmi,CH.Harsha Babu, <b>Parri Srihari</b>	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
26	Kandrakonda Vinay Krishna , Boddu Himajakala , Surisetty Suresh Babu , <b>Bezawada Pangedaiah</b>	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

27	G. Rupa Sri Venkata Naga Pavani, T. Snehitha, Sk. Arif, <b>Y. Raghu Vamsi</b>	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
28	Suneetha Kuna, K Nandini, N V Narendra Reddy, <b>Kadapa Harinadha Reddy</b>	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
29	B.Yaswanth Kumar, A.Sai Swaroop, K.Sai Charan, <b>G.Tabitha</b>	Smart Wind Generation System	International Journal of Innovative Technology and Exploring Engineering (IJITEE) ISSN: 2278-3075, Volume-9 Issue-8, June 2020	Scopus Indexed
30	K.Keerthi, L.Durga, K.Dilip, <b>CH.Rajesh</b>	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
31	Banavath Priyanka Babybai l, Sarnala Rajesh Babu, Gudise Anusha, <b>CH.Rajesh</b>	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
32	Banavathu Raghu Naik , Burri PurnaChandra Rao, Mudavath Lakshma Naik , <b>P Deepak Reddy</b>	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
33	K.Anil kumar,T.Kiran sai, P.Tharun, <b>J.Siva vara Prasad</b>	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 441-444	Scopus Indexed
34	G Bhargavi , N bashi, N K Chaithanya, <b>Dr. J Sivavara Prasad</b>	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
35	R. Venkata Venu, J. Pallavi, S. Umesh, <b>Mr.B. Pangedaiah</b>	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

36	Sunkara Gopi Kalyan , Bollepogu Vamsi , Goriparthi Sravani , <b>P.Rathnakar Kumar</b>	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
37	Dharmavarapu.Yamuna Sai , Gandu.Yasaswini ,Dasari.mahesh , <b>Dr.M.S.Giridhar</b>	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
38	Nutakki Vijay Kumar, Mandapati Praveen Kumar, Sk.Umar Farooq, <b>M.S.Giridhar</b>	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
39	A.Sravani 1,S.Daniel, Prashanth, P. Naveen, <b>G.Nageswara Rao</b>	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
40	K Hareesh, A Siva Satya Reddy, Ch Dinesh, <b>Imran Abdul</b>	Automatic Load Disconnection and Reconnection to Power System using Controllable Loads	International Journal for Modern Trends in Science and Technology ISSN: 2455-3778 :: Volume: 06, Issue No: 06, June 2020	Open Access
41	Gantasala Sravani,Vengala Ganesh, Sornala Naga Lakshman , <b>G .Nageswara Rao</b>	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**

**HOD**