



SRI VENKATESWARA COLLEGE OF ENGINEERING

KarakambadiRoad, Tirupati-517507

DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

Major Faculty Achievements

Academic Year: 2019-20

Awards:

1. Dr Kasa Sudheer received Best paper award in Springer international Conference ICCISC- Rajampeta, 2019.
2. Dr. Lakshmi Devi received Best Young Researcher National Award IRDP Group of Journals, Chennai on 24th August 2019.

Books:

1. Mr. P Suresh, Dr. Kasa Sudheer, Ch. Lenin Babu published a book with the title "Transient stability Analysis and Improvement using FACTS Controllers" by LAMBERT Academic publishers, Eastern Europe.
2. Mrs Sireesha Rachapalli, Dr. Kasa Sudheer, and Mr Suresh penagaluru published a book with the title "Effective Optimal Location of Multiple Distributed Generation System" by LAMBERT Academic publishers, Eastern Europe.

Academic Year: 2018-19

Awards:

1. Dr. Kasa Sudheer received Young Scientist Award by International Organization of Scientific Research and Development, Chennai on 28th- 29th SEP 2018.
2. Dr. Kumar K received Research award by VIT, Vellore on October 2018 for contribution to research through publication in peer reviewed journals and books.

Books:

1. Dr. Kasa Sudheer published one book with the title "Power Quality Improvement in renewable Integrated Grid Topologies" by LAMBERT Academic publishers, Eastern Europe.
2. Dr. Lakshmi Devi published one book with the title "Stochastic Hybrid Algorithmic solutions for unit commitment problem" by LAMBERT Academic publishers, Eastern Europe.
3. Dr. Kumar.K published one book with the title "Design and performance analysis of Hybrid solar and wind energy system" by LAMBERT Academic publishers, Eastern Europe.



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Accredited by NBA & NAAC 'A' Grade

(Approved by AICTE New Delhi, Affiliated to JNTUA, Anantapur)

Department of Electrical & Electronics Engineering

Consolidated report on faculty research publications (2019-20)

S.No	Name of the faculty	Title of the paper	Name of the conference /journal/publisher	Month & Year	Issue No/Volume No/ISBN	Indexing
1	Dr.K.sudheer	IoT based Intelligent smart Controller for Electrical Vehicles	2020 6 th International conference on Advanced Computing & Communication Systems (ICACCS)	March-2020	INSPEC Accession Number: 19 557151 DOI:10.1109/ICACCS48705.2020.9074306	SCOPUS
2	Dr.K.sudheer	Voltage Disturbance Mitigation in Distribution System Using FM-DQ control based DVR	International Journal of Advanced Science and Technology	Feb-2020	Vol. 29, No.4 (2020), pp. 758-790	SCOPUS
3	Dr.K.sudheer	High Voltage Gain Interleaved Boost Converter with ANFIS Based MPPT Controller for Fuel Cell Based Electric Vehicle Applications	International Journal of Information and Computational Science	November 2019	Vol. 9, Issue 12-2019, pp. 691-698 ISSN:1548-7741	UGC
4	Dr.K.sudheer	Simulation of Hybrid PV-Battery System with ANFIS Control Strategy For Stand-Alone DC Applications	International Journal of Information and Computational Science	November 2019	Vol. 9, Issue 12-2019, pp. 710-717 ISSN:1548-7741	UGC
5	Dr.V.Lakshmi Devi	A Comparative and Novel Solution for unit Commitment Problem using Hybridized Bat Search Approach for 10-unit System	International Journal of Advanced Science and Technology (IJAST)	March 2020	Vol. 29, No.03 (2020), pp. 2524-2535	SCOPUS

6	Dr.V.Lakshmi Devi	Analysis of Recurrent Neuro-Control Algorithm for Two Stage Solar Energy Conversion by Using ANFIS Controller	IJAEMA	Dec-2019	Vol. XI, Issue XII December/ 2019, pp. 1758-1764	UGC
7	Dr.V.Lakshmi Devi	Grid Current Harmonic Compensation for Two Shunt Connected Converters for Synchronized Supply Voltage	5th International Conference on recent trends in computing	Aug-19	-	UGC
8	Dr.V.Lakshmi Devi	Internet of Things communicating with Electrical Smart Grid	International conference on research in applied engineering sciences, Computer and Communication technologies	July-19	-	UGC
9	Dr.V.Lakshmi Devi	A Genetic Algorithm Based Problem Detection for Unit Commitment (UC) Problems	International journal of Recent Technology and Engineering (IJRTE)	July-19	Vol.-8, Issue-2S3, July 2019 ISSN:2277-3878	UGC
10	Dr. Kumar K	The Photovoltaic Module Temperature Prediction using Adaptive Neuro Fuzzy System	TEST Engineering and Management	May-June 2020	ISSN: 0193-4120 Page No. 18274 - 18285	SCOPUS
11	Dr. Kumar K	Power Electronic Converter Configurations Integration with Hybrid Energy Sources–A Comprehensive Review for State-of-the-Art in Research.	Electric Power Components and Systems, Taylor & Francis	December 2019	ISSN: 1532-5008 print / 1532-5016 online	ESCI-Web of Science
12	Dr. Kumar K	Fuzzy Logic Based Energy Controlling Strategy for Isolated Wind-PV Hybrid System	International Journal of Engineering and Advanced Technology	February, 2020	Vol.-9, Issue-3, 2019 ISSN:2249-8958	SCOPUS
13	Dr. Kumar K	IoT Enabled Interactive Advanced Metering Infrastructure	International Journal of Recent Technology and	January 2020		SCOPUS

		Technology in Smart Grids	Engineering			
14	P.Vinod Kumar	Performance of isolated bidirectional battery converter by using fuzzy controller for standalone solar PV applications	IJAEMA	Dec 2019	Vol.-10, Issue-08 No. 02, August 2020 ISSN:2347-7180	UGC Care Group I Journal
15	P.Suresh	High Voltage Gain Interleaved Boost Converter with ANFIS Based MPPT Controller for Fuel Cell Based Electric Vehicle Applications	International Journal of Information and Computational Science	November 2019	Vol. 9, Issue 12-2019, pp. 691-698 ISSN:1548-7741	UGC
16	P.Suresh	Simulation of Hybrid PV-Battery System with ANFIS Control Strategy For Stand-Alone DC Applications	International Journal of Information and Computational Science	November 2019	Vol. 9, Issue 12-2019, pp. 710-717 ISSN:1548-7741	UGC
17	P.Suresh	Voltage disturbance mitigation in distribution system using fm-dq control based dvr	International Journal of Advanced Science and Technology	FEB-20	Vol. 29, No.4 (2020), pp. 758-790	SCOPUS
18	P.Suresh	Effective power quality improvement in PV grid by using adaptive hysteresis dynamic active power filter under different source voltage control strategies	International Journal of Engineering and Advanced Technology	OCT-19	Vol.-9, Issue-1, October 2019 ISSN:2249-8958	SCOPUS
19	M.Nagaiah	An Effective Battery Energy Management System in Hybrid Solar/Wind System Using ANFIS Controlled Bi-Directional DC-DC Converter	International Journal of Recent Technology and Engineering (IJRTE),	November-2019	Vol. -8, Issue-4 November 2019 ISSN:2277-3878	SCOPUS
20	M.Nagaiah	Analysis of fuzzy logic controller based bi-directional DC-DC converter for battery energy management in hybrid solar/ wind micro grid system	International Journal of Electrical Computer Engineering (IJECE),	June-2020	Vol. -10, No. 3, June 2020 pp. 2271~2284	SCOPUS

21	M.Nagaiiah	Optimal operation of standalone hybrid system containing solar and wind generating units with the help of boost and bidirectional converters operated by ANFIS controllers	Global Journal of Engineering Science and Research Management	June-2020	ISSN 2349-4506 Impact Factor:3.799	Thomson Reuters
22	Y.V.Krishna Reddy	Flower Pollination Algorithm to Solve Dynamic Economic Loading of Units with Piecewise fuel options	Indonesian Journal of Electrical Engineering and Computer science	October-19	Vol. -16, No. 1, October 2019 pp. 9~16	Scopus
23	Y.V.Krishna Reddy	Feeder protection from over load situations through IOT	International Journal of Future Generation Communication and Networking	July-2020	Vol. -13, No. 3, 2020 pp. 3699~3707	Scopus
24	Venkatasupura Vemulapati	Droop Characteristics based High Speed Traction Power Supply system using Modular Multilevel Converter	4th International Conference on Trends in Electronics and Informatics (ICOEI) IEEE Conference	June-2020	INSPEC Accession Number: 19789267 DOI: 10.1109/ICOEI48184.2020.9142920	Scopus



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S.No	College	Dept.	Name of the faculty	Registered course	Date of registration	Duration		Status	Score	Duration of course	Certificate received Y/N
						From	To				
1	SVCE	EEE	Kumar K	Electrical Vehicles-part 1	25-01-2020	Feb-20	Mar-20	Completed	62%	4 Weeks	Y
2	SVCE	EEE	V Lakshmi Devi	Fuzzy Sets, Logic and systems & Applications	24-01-2020	Jan-20	Apr-20	Completed	98%	12 Weeks	Y
3	SVCE	EEE	Nagaiah Mandava	Fuzzy Sets, Logic and systems & Applications	25-01-2020	Jan-20	Apr-20	Completed	94%	4 Weeks	Y
4	SVCE	EEE	P Venkata Vara prasad	Electrical Vehicles-part 1	20-01-2020	Feb-20	Mar-20	Completed	62%	4 Weeks	Y
5	SVCE	EEE	Hari Krishna	Control Engineering	22-01-2020	Jan-20	Apr-20	Completed	74%	12 Weeks	Y
6	SVCE	EEE	B Bhanusuriya	Electrical Vehicles-part 1	24-01-2020	Feb-20	Mar-20	Completed	70%	4 Weeks	Y
7	SVCE	EEE	K Yamuna	Electrical Vehicles-part 1	25-01-2020	Feb-20	Mar-20	Completed	70%	4 Weeks	Y