

DEPARTMENT OF EEE

FACULTY RESEARCH PUBLICATIONS

S.NO	FACULTY NAME	RESEARCH PUBLICATION
		AY 2010-11
1	P.MANOJ KUMAR	Improving the Power Quality by MLCI type DSTATCOM, <i>International Journal of Computer Applications (0975 – 8887) Volume 10– No.1, November 2010</i>
2	SHAIK MUSTHAK AHMED	” A new wavelet approach to busbar differential protection”, in proceedings of ICEPES- 2010 ,aug 26-28 ,2010,p-164, pp 165-169.
		AY 2011-12
1	Y.RAJENDRA BABU	“GENETIC ALGORITHM A STOCHASTIC APPROACH FOR OPTIMAL LOAD DISPATCH” in INTERNATIONAL JOURNAL OF ENGINEERING SCIENCE & ADVANCED TECHNOLOGY Volume-2, Special Issue-1, 143 – 148, ISSN: 2250–3676
2	K.LAKSHMI GANESH	“Performance of Symmetrical and Asymmetrical Multilevel Inverters” in the journal of IJMER, Vol.2, Issue.2, Mar-Apr 2012, pp-1819-1827.
		AY 2012-13
1	Y.RAJENDRA BABU	“Optimal Load Dispatch Problem to Reduce Power wastage using Evolutionary Programming” in INTERNATIONAL JOURNAL OF ENGINEERING SCIENCE & ADVANCED TECHNOLOGY Volume-2, Issue-4 , 1152 – 1155, ISSN: 2250–3676
2	Y.RAJENDRA BABU	“Evolutionary Algorithm A Stochastic Approach For Optimal Load Delivery” in International Journal of Emerging Technology and Advanced Engineering, Volume 2, Issue 12, December 2012
3	Y.RAJENDRA BABU	“Application of Genetic Algorithm For Optimal Load Dispatch With Non Smooth Cost Equations (CCPP)” in International Journal of Engineering Research & Technology (IJERT) Vol. 1 Issue 9, November- 2012, ISSN: 2278-0181
4	Y.RAJENDRA BABU	Design of d-q Domain Control Strategy for Static Synchronous Series Compensator” in International Journal of Engineering Research & Technology (IJERT) Vol. 2 Issue 4, April – 2013, Issue 4, April – 2013 ISSN: 2278-0181
5	Y.RAJENDRA BABU	“implementation of pattern search process to power system economic load delivery” in

		<i>International Journal for Research in Science & Advanced Technologies Issue-1, Volume-1, 030-034,ISSN 2319-2690, july-august 2012</i>
6	K.LAKSHMI GANESH	<i>“Performance of Single Phase and Three Phase Symmetrical and Asymmetrical Multilevel Inverters” in the journal of IJAIR, Volume 1, Issue 4, September 2012, pp-85-95.</i>
7	K.LAKSHMI GANESH	<i>“Power Quality improvement by using 7-level Multi-string APF to interfacing to Distribution Generation system” in the journal of IJEA, Volume 1, Issue 3, January 2013, pp-38-43.</i>
8	K.LAKSHMI GANESH	<i>“Realization of Hybrid Active Power Filter Applied to BLDC Motor Drive Using Dual Instantaneous Power Theory” in the journal of IJEA, Volume 1, Issue 3, January 2013, pp-31-37.</i>
9	K.LAKSHMI GANESH	<i>“THD Analysis of Symmetrical and Asymmetrical Cascaded H-bridge Multilevel Inverters with PV Arrays” in the journal of IJAIR, Volume 1, Issue 4, September 2012, pp-115-119.</i>
10	K.LAKSHMI GANESH	<i>“Challenges in System Integration of Distributed Generation (DG) and Analysis of Various Faults with and without DG” in the journal of IJAIR, Volume 1, Issue 4, September 2012, pp-140-147.</i>
11	K.LAKSHMI GANESH	<i>A New Hybrid Multilevel Inverter With Reduced Number Of Switches” in the journal of IJIRD,Vol 2 Issue 3, March, 2013.</i>
12	K.LAKSHMI GANESH	<i>“New Multilevel Inverter Topology with Reduced Switching Devices for Hybrid Electric Vehicles” in the journal of IJSER, Volume 4, Issue 3, March-2013.</i>
13	SHAIK MUSTHAK AHMED	<i>”Fuzzy logic controller of a series active power filter for Power Quality improvement”, International Journal of Modern Engineering Research (IJMER) ,Vol.2, Issue.2pp-412-415, , Mar-Apr 2012</i>
		AY 2013-14
1	K.LAKSHMI GANESH	<i>“New Multilevel Cascaded Pwm Inverter Topology For Hybrid Electric Vehicle Drive” in the journal of International Journal of Electrical and Electronics Engineering (IJEET), Vol. 2, Issue 2, May 2013, 27-40 © IASET, (Impact Factor-2.48).</i>
2	K.LAKSHMI GANESH	<i>“A Novel Simplified Single-Phase Cascaded Multistring and H-bridge Multilevel Inverter” in the journal of International Journal Of Advanced Research In Electrical, Electronics And</i>

		<i>Instrumentation Engineering(IJAREEIE)</i> , Volume 2, Issue 8, August 2013, pp-3649-3665 (Impact Factor-1.686).
3	K.LAKSHMI GANESH	<i>“An Effective High Step-Up Interleaved DC-DC Converter Photovoltaic Grid Connection System”</i> in the journal of <i>International Journal of Soft Computing and Engineering (IJSCE)</i> , Volume-3 Issue-4 on September 05, 2013, pp-156-162, (Impact Factor-1.177).
4	K.LAKSHMI GANESH	<i>“A New topology of Single-Phase Seven-Level Inverter with Less Number of Power Elements for Grid Connection”</i> in the journal of <i>International Journal of Innovative Technology and Exploring Engineering (IJITEE)</i> , Volume-3, Issue-4, September 2013, pp-79-84, (Impact Factor-1.27).
5	K.LAKSHMI GANESH	<i>“Enhancement of Harmonics in a Grid Connected Advanced Three-Phase Multilevel Inverter with Hybrid Co-Generation Scheme”</i> in the journal of <i>International Journal of Informative and Futuristic Research (IJIFR)</i> , Volume-2, Issue-5, January 2013, pp-1201-1214 (Impact Factor-3.059).
6	K.LAKSHMI GANESH	<i>Optimal PWM Strategy for 11-Level Series Connected Multilevel Converter Using Hybrid PV/FC/BESS Source”</i> International Conference on Circuit, Power and Computing Technologies [ICCPCT-2014], Noorul Islam Centre for Higher Education, Kumaracoil, Thuckalay, Kanyakumari district, Tamilnadu.20th &21st March 2014.
7	K.LAKSHMI GANESH	<i>“A Critical Evaluation of Power Quality Features Using Hybrid Multi-Filter Conditions Topology”</i> , IEEE International Conference on Green Computing, Communication and Conservation of Energy (ICGCE-2013), RMD Engineering College, Tamil Nadu, 12th - 14th Dec 2013.
8	K.LAKSHMI GANESH	<i>“Improvement of Power Quality by Using Hybrid Fuzzy Controlled Based IPQC at Various Load Conditions”</i> IEEE International Conference on Energy Efficient Technologies for Sustainability (ICEETS-2013), pp.1243-1250, 10-12 April 2013.
9	MUSTHAK AHMED SHAIK	<i>“Moderation of Power Quality By Unified Power Quality Conditioner (UPQC) Using PQ Theory”</i> , <i>International Journal of Engineering Research & Technology (IJERT)</i> , Vol. 2 Issue 10, , 2954-2961, October – 2013
10	MUSTHAK AHMED SHAIK	<i>“Enhancement of Power Quality based on Unified Power Quality Conditioner (UPQC)”</i> ,

		International Journal of Engineering Science and Innovative Technology (IJESIT) Volume 2, Issue 5, ,456-461, September 2013
11	Y.RAJENDRA BABU	POWER FLOW ENHANCEMENT WITH BETTER CONTROL STRATEGY BY DPC AND FUZZY LOGIC ON UPFC “in IJOER, Vol 1, Issue.2,2013
12	K.NARENDRA	POWER FLOW ENHANCEMENT WITH BETTER CONTROL STRATEGY BY DPC AND FUZZY LOGIC ON UPFC “in IJOER, Vol 1, Issue.2,2013
13	V.MATTHEW	A NOVEL MULTI LEVEL INVERTER TOPOLOGY APPLIED TO INDUCTION MOTOR DRIVE-IJIRD
14	B.MADHU KIRAN	“Analysis of Cascaded H-Bridge Multilevel Inverter with Phase Shifted PWM on Induction Motor” in IJSETR ISSN 2319-8885, Vol.03,Issue.45,December-2014,Pages:9182-9193
15		AY 2014-15
16	V.PRAVEEN	An Efficient Power Generation System by using Advanced Multilevel Inverters-IJSETR-ISSN 2319-8885, Vol.03,Issue.46,December-2014.
17	V.PRAVEEN	Soft switching power factor correction of 1.Single Phase and Three Phases boost converter- (SSRG-IJEEE)-ISSN 2348-8379 – volume 1 Issue 10 Dec 2014.
18	K.LAKSHMI GANESH	"Grid Integration of Hybrid Generation Scheme for Optimal Switching Pattern Based Asymmetrical Multilevel Inverter" International Conference on Power Electronics & Renewable Energy Sources (ICPERES), 25th & 26th April 2014 published in Springer LNEE Series, Rajalakshmi Engineering College, Tamilnadu,
19	K.LAKSHMI GANESH	“Tuning a Robust Performance of Adaptive Fuzzy-PI Driven DSTATCOM for Non-Linear Process Applications” 5th International Conference on Swarm, Evolutionary and Memetic Computing (SEMCCO 2014) & Fuzzy and Neural Computing (FANCCO 2014), Springer LNCS Series.
		AY 2014-15
20	K.LAKSHMI GANESH	“THD Optimization of Sequential Switching Technique Based Hybrid IPD Modulation Scheme for CMLI” ICSEMR, Vel Tech University, Avadi, Chennai 27th to 29th Nov 2014.
21	R.RAJESH	“Utilization of PV Array with High Step up DC-DC Converter Applications to Grid Connected System” in International Journal of Electrical and Electronics Engineering (IJEEE) in 2014.

22	SAI PALLAVI.A	paper title "A FLEXIBLE AC DISTRIBUTION SYSTEM DEVICE FOR PHOTOVOLTAIC AND MPPT TECHNIQUE AT MICRO GRID " in International Journal of Advanced Technology in Engineering and Science (ISSN 2348-7550), Volume 02, Issue 11, November 2014.
23	K.NARENDRA	POWER QUALITY IMPROVING BY ENHANCING THE DYNAMIC PERFORMANCE OF DFIG USING SMES WITH ANN CONTROL TECHNIQUE." in IJOER, Vol 2, Issue.5,2014
24	N.SAIDA NAIK	"Power Quality Improvement in Microgrid" in International Journal of Power System Engineering, Science Journals 08(2014),PP:1-6, 1408-1(1)
25	N.SAIDA NAIK	Grid and Islanded Operation of a Distribution Generation Inverters in a Microgrid" in the journal of International Electrical Engineering Journal (IEEJ) Vol. 5 (2014) No.10, pp. 1553-1558 ISSN 2078-2365.
		AY 2015-16
1	V.PRAVEEN	Improvement of Power Quality Using Advanced Series Active Power Filters-IJMTER-ISSN 2349-9745,vol.02,Issue 07, July 2015.
2	K.LAKSHMI GANESH	Incorporate of FB-MMCs converter topologies for Hybrid PV/FC based EV Applications" ICSGT-2015, Amrita University, Coimbatore, August 6 th -8 th 2015.
3	P.MANOJ KUMAR	"CONTROL STRATEGY OF HYBRID SYSTEM BY USING KALMAN FILTER" <i>International Journal of Engineering Research-Online Vol.3., Issue.4., AUG-2015</i>
4	K.NARENDRA	CONTROL STRATEGY OF HYBRID SYSTEM BY USING KALMAN FILTER" in IJOER, Vol 3, Issue.4,2015
5	RAJESH VELPULA	"INCREASING THE POWER SYSTEM SWITCH GEAR CAPACITY BY USING SUPERCONDUCTING FAULT CURRENT LIMITER" International Journal of Engineering Research and General Science Volume 3, Issue 6, November-December, 2015, ISSN 2091-2730

6	N.SAIDA NAIK	“Improved Performance of STATIC Compensator for Grid Connected Wind System Using IRP Theory” in the journal of IJCSM, Volume 1, Issue 1, September 2015, PP:12-17 ISSN: 2455-1910.”
		AY 2016-17
1	V.PRAVEEN	Z-Source inverter controlled Dynamic Voltage Restorer for Power Quality Improvement -IJMTER-ISSN-2393-8161, Vol 03, Issue 12, Dec 2016.
2	V.PRAVEEN	Fuzzy controlled Dynamic Voltage Regulator for Power Quality Improvement-IJEPPE-ISSN 23-32, Vol-1, Issue-1, Nov 2016.
3	B.MADHU KIRAN	"Reduction of harmonics in Asymmetrical Multilevel Inverter Fed by Induction Motor" _IJSETR,vol.05 ,issue 07.
4	B.MADHU KIRAN	"solar powered hybrid boat" _IJCSM., VOL.2 ,ISSUE3
5	SAI PALLAVIA	Individual Pitch Control of Wind Turbine of Variable Speed by Flicker Mitigation with DFIG Volume-6, Issue-3, May-June 2016 International Journal of Engineering and Management Research Page Number: 117-122
6	MUSTHAK AHMED SHAIK	A Novel Discrete Wavelet Transform Relaying Scheme for Busbar Protection at ICCET-2017
7	RAJESH VELPULA	“ Modelling and Design of Series Voltage Compensator for Grid Tie Solar Inverter Using Hybrid Fuzzy Technique” in International Journal of Computer Science & Mechatronics, Vol.3.Issue.1.2017, ISSN: 2455-1910
8	N.SAIDA NAIK	” IMPROVEMENT OF POWER QUALITY BY USING UPQC WITH SRF AND UVT CONTROL TECHNIQUES” in the journal of INTERNATIONAL JOURNAL OF SCIENCE AND INNOVATIVE ENGINEERING & TECHNOLOGY , MAY 2017, ISSUE VOLUME 2, ISBN 978-81-904760- 9-6
9	N.SAIDA NAIK	“Control Technique of Microgrid With Kalman Filter” in the journal of IJCSM, Vol.3.Issue.1.2017 , ISSN: 2455-1910.
10	N.SAIDA NAIK	titled ”Power Quality Improvement Using Unified Power Quality Conditioner (UPQC) Based on SVPWM Technique”in the journal of IJSETR, ISSN 2319-8885 Vol.06,Issue.13 April-2017, Pages:2530-2536
11	SAI PALLAVIA	“Novel BipolarPWM Method with Low Ripple Current for Position Control Applications of BLDCM” in INTERNATIONAL JOURNAL OF SCIENCE AND INNOVATIVE ENGINEERING & TECHNOLOGY, MAY 2017 ISSUE VOLUME 2 ISBN 978-81-904760-9-6

12	SAI PALLAVI.A	“Commutation Torque Ripple Reduction in Brushless DC Motor using Modified SEPIC Converter by Fuzzy Logic Control” in INTERNATIONAL JOURNAL OF SCIENCE AND INNOVATIVE ENGINEERING & TECHNOLOGY, MAY 2017 ISSUE VOLUME 2 ISBN 978-81-904760-9-6
		AY 2017-18
1	V.PRAVEEN	Implementation Of Cascaded H-Bridge Multilevel Inverter With Equal DC Voltage Source-IJAREEIE Vol 07, Issue1, 2018.
	V.PRAVEEN	Reduction of voltage disturbances in distribution system using neural controller-IJIERE Vol 04, Issue 9, 2017.
2	B.MADHU KIRAN	"photo voltaic based HERIC AND H6 Transformer less inverter fed induction motor" _ IJARBEST,VOL 3,ISSUE 30
3	SAI PALLAVI.A	Paper title “Wireless Power Transfer”, by “Sai Pallavi.Akkiseti” has been published with the “International Journal of Engineering and Management Research”, Volume-7, Issue-2 of March-April 2017.
4	V.MATTHEW	Improved Torque Response With Reduced Harmonic Distortion Using Multi Level Inverter Fed To Induction Motor Drive Volume-3, Issue-1,30-35.
5	Y.RAJENDRA BABU	“A Novel Fuzzy Controlled Grid-Tied PV Fed H-Bridge Multilevel Inverter for Compensation of Unbalanced Situation” in Jour of Adv Research in Dynamical & Control Systems, 11-Special Issue, July 2017, ISSN 1943-023X
6	N.SAIDA NAIK	“Contingency Analysis using Power System Analysis Toolbox” in the journal of International Journal of International Electrical Engineering Journal (IEEJ) Vol. 1 (2018) No.1 pp. 2488-2491 ISSN 2078-2365
7	K.LAKSHMI GANESH	“A Novel 65 Level Asymmetric Multi-Cell Cascaded Multilevel Inverter” in the journal of International Journal of Creative Research Thoughts (IJCRT), Volume-6, Issue-1, March 2018, pp-1303-1311 (Impact Factor-5.97 and UGC approved Journal), (ISSN: 2320-2882).
8		
9	V.PRAVEEN	“A Comparison between SFLA and Wavelet based Zero Active Power Tracking Technique for Improving DVR Capability and Voltage Sag” in Jour of Adv Research in Dynamical & Control Systems, Vol. 10, 05-Special Issue, 2018, ISSN 1943-023X
10	V.PRAVEEN	“Enhancement of DVR Capability Using Wavelets” in journal of advanced research in dynamic and control systems, Issue: 12-Special Issue Year: 2018 Pages: 1224-1228, ISSN:1943-023X
11	V.PRAVEEN	“Mitigation of Voltage Sags/Swells Using Z-Source Inverter with Discrete Pi Controller Based on Dynamic Voltage Restorer (DVR)” in International Journal for Research in Applied Science & Engineering Technology (IJRASET) ISSN: 2321-9653; IC Value: 45.98; SJ Impact Factor: 6.887

		<i>Volume 6 Issue III, March 2018</i>
12	V.PRAVEEN	“particle swarm optimization and internal model control based tuning technique for pi controller for dvr for improved dynamic response and power quality ” in in journal of advanced research in dynamic and control systems, Issue: 12-Special Issue Year: 2018, ISSN:1943-023X
		AY 2018-19
1	V.PRAVEEN	“Asymmetric Cascaded Half Bridge Multi Level Inverter with Permanent Magnet Synchronous Motor (PMSM)” in International Research Journal of Engineering and Technology (IRJET) e-ISSN: 2395-0056 Volume: 05 Issue: 07 July 2018, p-ISSN: 2395-0072
2	V.PRAVEEN	“POWER QUALITY IMPROVEMENT USING CASCADED H-BRIDGE MULTILEVEL INVERTER WITH D-STATCOM” in ISSN 2349-7815 International Journal of Recent Research in Electrical and Electronics Engineering (IJRREEE) Vol. 5, Issue 2, pp: (4-10), Month: April - June 2018,
3.	V.PRAVEEN	“mitigation of voltage sag and swell for power quality improvement using Dynamic Voltage Restorer (DVR) ” in IJAREEIE,2018