

**K.L.N.COLLEGE OF ENGINEERING**  
(An Autonomous Institution, affiliated to Anna University)

**DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING**

**LIST OF PUBLICATIONS**

**Dr. S. Parthasarathy, Professor**

S.No.	Academic Year	No.ofJournalPublished	No. of International Conference	No. of National Conference
1.	2021 - 2022	2	--	--
2.	2020 – 2021	--	--	--
3.	2019 - 2020	3	2	---
4.	2018 – 2019	1	2	--
5.	2017-2018	2	1	1
6.	2016-2017	--	1	--
7.	2015-2016	1	1	-
8.	2014-2015	-	2	1
9.	2013 – 2014	2	2	-
10.	2012 – 2013	-	-	1
11.	2011 - 2012	1	2	4
12.	2010 – 2011	-	1	2
13.	2009 – 2010	-	1	2
14.	2008 – 2009	-	-	-
15.	2007 – 2008	-	1	-

<b>Academic Year - 2021-22 -Journal</b>				
<b>S.No</b>	<b>Title of the paper</b>	<b>Name of the Journal &amp; DOI</b>	<b>Month &amp;Year of Publication</b>	<b>Impact Factor</b>
<b>1</b>	High Gain Ripple Less DC-DC Power Converter for EV Application	International Journal of Engineering Research and Technology (IJERT)	Vol.11, Issue. 06, Pp. 107-133 July 2022	ISSN: 2278-0181
<b>2</b>	Matlab/Simulink Analysis of Ripple Free High Efficiency Buck-Boost Type Converter for EV Charging and Controlling Applications	International Research Journal of Engineering and Technology (IRJET)	Vol.09, Issue. 06, Pp. 2871-76 July 2022	e-ISSN: 2395-0056 p-ISSN: 2395-0072

<b>Academic Year - 2019-20 -Journal</b>				
<b>S.No</b>	<b>Title of the paper</b>	<b>Name of the Journal &amp; DOI</b>	<b>Month &amp;Year of Publication</b>	<b>Impact Factor</b>
<b>1</b>	Power Quality Enhancement In Renewable Energy Integrated Micro Grid System Using DVR	International journal of recent trends in engineering & research journal	Volume 5 issue 7, July 2019 ISSN: 2455-1457	--
<b>2</b>	Design and Analysis of AC-DC Interleaved Negative output CUK Converter for Power Quality Enhancement	International Journal of Engineering Research & Technology Journal	Volume 7 issue 11, July 2019 ISSN: 2278-0181	---
<b>3</b>	Analysis of Power Quality Profile in a Standard IEEE Test Bus System with Renewable Energy Penetration	International Research Journal on Advanced Science HUB Special Issue on ICES 2020	ISSN: 2582- 4376	---

<b>Academic Year - 2019-20 -Conference</b>					
<b>S.No</b>	<b>Title of the Paper</b>	<b>Name of the Conference</b>	<b>Venue</b>	<b>Date</b>	<b>National /International</b>
1	Analysis of Power Quality Profile in a standard IEEE Test Bus System with Renewable	. International Conference on ELECTRICAL SCIENCE ICES-2020	SNS College of Technology, Coimbatore in	20&21st February 2020	International

	Energy		association With AIMST University, Malaysia.		
2	Investigation of Power and Power Quality profile of Enhanced BLDC Motor for Energy Efficient Ceiling Fans	International Conference on Electronics Engineering and Technology ICEET-2020	Parisutham Institue of Technology and Science	12th & 13th March 2020	International

**Academic Year - 2018-19 -Journal**

<b>S.No</b>	<b>Title of the paper</b>	<b>Name of the Journal &amp; DOI</b>	<b>Month &amp;Year of Publication</b>	<b>Impact Factor</b>
1	IoT based Automation and Energy Management in Buildings,	SSRG International Journal of Electronic and Electronics Engineering (SSRGJEEE) Special Issue ICRTCRET	ISSN: 2349 – 8379 pp. 1-6, March 2019	Crossref Index

**Academic Year - 2018-19 -Conference**

<b>S.No</b>	<b>Title of the Paper</b>	<b>Name of the Conference</b>	<b>Venue</b>	<b>Date</b>	<b>National /International</b>
1	IoT based Automation and Energy Management in Buildings	International Conference on Recent Trends and Current research in Engineering and Technology (ICRTCRET-2019)	SSM Institute of Engineering and Technology	20th MARCH 2019	International
2	Smart Electrical Energy Management Unit (SEEMU)	International Conference on Recent Trends and Current research in Engineering and Technology (ICRTCRET-2019)	SSM Institute of Engineering and Technology	20th MARCH 2019	International

### Academic Year - 2017-18 -Journal

S.No	Title of the paper	Name of the Journal & DOI	Month & Year of Publication	Impact Factor
1.	Cloud Computing Support for Smart Grid Applications,	International Journal of Advances in Computer and Electronics Engineering, ISSN: 2456-3935,	Vol:2, Issue:11 pp:11-17, Nov 2017.	---
2	IoT Enabled Wireless Technology based Monitoring and Speed Control of Motor using Variable Frequency Drive,	Journal of Applied Science and Computations, ISSN : 0076-5131, <b>UGC Approved Journal</b>	Vol:5, Issue:6, pp.272-277, June 2018	5.8

### Academic Year - 2017-18 -Conference

S.No	Title of the Paper	Name of the Conference	Venue	Date	National /International
1	Design and Implementation of Hybrid Harmonic Filter for a Three Phase Converter Using ARM Processor	National Conference on “Hybrid AC/DC Power Systems for Effective Utilization of Renewable Energy” - 33 <sup>rd</sup> National Convention of Electrical Engineers 2017(NCEE 2017)	National Institute of Technology Tiruchirapalli	24 <sup>th</sup> & 25 <sup>th</sup> NOV 2017	National
2	Wireless Monitoring And Speed Control Of Motors Using Variable Frequency Drives	International Conference on Innovations in Engineering and Industrial Applications2018 – ICIEIA'18	K.L.N. College of Engineering Madurai	11 <sup>th</sup> & 12 <sup>th</sup> MAY 2018	International

### Academic Year - 2016-17 -Conference

S.No	Title of the Paper	Name of the Conference	Venue	Date	National /International
1	Mitigation of Harmonic Distortion in a Grid Integrated Renewable Energy System Using PI and PID Controller	International Conference on Contemporary Topics in Power Engineering and Aiding Technologies(ICCPEAT'17)	Pondicherry Engineering College, Pondicherry	24 <sup>th</sup> & 25 <sup>th</sup> February 2017	International

**International Journal:**

S.NO	Title of the paper	Name of the Journal & DOI	Month & Year of Publication
<b>Academic Year (2015-2016)</b>			
1.	Enhancement of Power Quality in an AC-DC Interconnected using Improved current injection Technique	International Journal of Advanced Engineering Technology	Jan-March 2016
<b>Academic Year (2013-2014)</b>			
1.	Reduction of Harmonic in a multilevel inverter using optimized selective harmonic elimination approach	International Journal of Innovative Research in Science, Engineering and Technology	March 2014
2.	Harmonic Distortion Evaluation and Reduction in Radial Distribution System	International Journal of Innovative Research in Science, Engineering and Technology	March 2014
<b>Academic Year (2011-2012)</b>			
1.	Harmonic Mitigation In High Power DC Drive System using Current injection technique	International Journal of Electrical and Computing Engineering, ISSN 2010-3948	2011-2012

**International Conference:**

S.No	Title of the Paper	Name of the Conference	Venue	Date
<b>Academic Year (2015-2016)</b>				
1.	A Harmonic Distortion Analysis of Power Distribution systems with Hybrid Power filter	2016 International conference on circuit, Power and Computing Technologies	Noorul Islam University	18-19 <sup>th</sup> March 2016
<b>Academic Year (2014-2015)</b>				
1.	Enhancement of output voltage quality of Multi-level inverter using	2015 International Conference on Circuit,	Noorul Islam	19 <sup>th</sup> & 20 <sup>th</sup> March

	series Active filter	Power and Computing Technologies	University	2015
2.	Performance Evaluation of Shunt Active Harmonic Filter under Different Control Techniques	2015 International Conference on Circuit, Power and Computing Technologies	Noorul Islam University	19 <sup>th</sup> & 20 <sup>th</sup> March 2015
<b>Academic Year (2013-2014)</b>				
1.	Reduction of Harmonic in a multilevel inverter using optimized selective harmonic elimination approach	2014 IEEE International Conference on Innovations in Engineering and Technology	K.L.N College of Engineering	21 <sup>st</sup> & 22 <sup>nd</sup> Mar 2014
2.	Harmonic Distortion Evaluation and Reduction in Radial Distribution System	2014 IEEE International Conference on Innovations in Engineering and Technology	K.L.N College of Engineering	21 <sup>st</sup> & 22 <sup>nd</sup> Mar 2014
<b>Academic Year (2011-2012)</b>				
1.	“Harmonic Mitigation in UPS System using PLL”	2011 2 <sup>nd</sup> International Conference on Advances in Energy Engineering [ICAEE 2011]	Bangkok, Thailand.	27 <sup>th</sup> – 28 <sup>th</sup> December 2011(2011-2012)
2.	Harmonic Mitigation in a Rectifier System using Hybrid Power Filter	IEEE International Conference on Computing, Electronics and Electrical Technologies”	Noorul Islam University, Kumaracoil	21 <sup>st</sup> & 22 <sup>nd</sup> March 2012 (2011-2012)
<b>Academic Year (2010-2011)</b>				
1.	Harmonic Limits Evaluation at the Wholesale Point of delivery	International Conference on “Electrical Energy Systems (ICEES 2011)”,	SSN College, Chennai	3rd – 5th January 2011(2010-2011)

<b>Academic Year (2009-2010)</b>				
1.	“Evaluation of Harmonic Limits - A Case Study”	“International Conference on Advance in Energy Concession Technologies” (ICAECT – 2010)	Manipal Institute of Technology – Manipal.	07 <sup>th</sup> Jan – 10 <sup>th</sup> Jan 2010(2009-2010)

<b>Academic Year(2007-2008)</b>			
1.	“Load flow analysis using Particle Swarm Optimization trained neural network”	“International Conference on Modeling and Simulation”	Coimbatore Institute of technology,Coimbatore 27 <sup>th</sup> -29 <sup>th</sup> August ,,07(2007-2008)

**National Conference:**

<b>S.No</b>	<b>Title of the Paper</b>	<b>Name of the Conference</b>	<b>Venue</b>	<b>Date</b>
<b>Academic Year (2014-2015)</b>				
1.	Enhancing strategic alliance between industry & Institute through clustering [SEED]	National Conference	IIT Madras	26 <sup>th</sup> Aug 2014
<b>Academic Year (2012-2013)</b>				
1.	Feature Selection of active power signals using support vector machine	National conference on “Control of Electrical Power Apparatus”	Government College of Engineering,Tirunalveli	5 <sup>th</sup> April 2013
<b>Academic Year (2011-2012)</b>				
1.	A Comparative Evaluation of Multipulse Rectifiers used for Current Harmonics Elimination	Third National Conference on “Emerging Trends in Power Systems”	K.L.N. College of Engineering, Pottapalayam	11th April 2012(2011-2012)
2.	Comparison of Filter Performance in Harmonic Elimination for a Nonlinear Rectifier System	Third National Conference on “Emerging Trends in Power Systems”	K.L.N.College of Engineering, Pottapalayam	11th April 2012(2011-2012)
3.	Harmonic Mitigation using Modified Current Injection Technique in a converter System	Third National Conference on “Emerging Trends in Power Systems”	K.L.N. College of Engineering, Pottapalayam	11th April 2012(2011-2012)
4.	Improvement of the Electric Power Quality using Hybrid Power Filter based on D-Q Theory	Third National Conference on “Emerging Trends in Power Systems”	K.L.N. College of Engineering, Pottapalayam	11th April 2012(2011-2012)

<b>Academic Year (2010-2011)</b>				
1.	“Harmonic Reduction in Rectifier by using current injection Technique on 3 phase utility interface	National Conference on Electrical Machines and Power Systems	Pondicherry Engineering College, Pondicherry	11 <sup>th</sup> Feb. 2011(2010-2011)
2.	”Design and Analysis of Resonant Harmonic Filter”	National Conference on ”Energy Systems and Energy Issues” ESEI – 2011”	B.M.S. College of Engineering, Bangalore.	18 <sup>th</sup> – 19 <sup>th</sup> Feb. 2011(2010-2011)
<b>Academic Year (2009-2010)</b>				
1.	“An Investigation of Harmonic Limit compliance using phase angle diversity”	National Conference on Power Quality & Power Conversion system (PQPCS”10)	Anand Institute of Higher Technology, Kalasalingam Nagar, Chennai.	27 <sup>th</sup> April 2010.(2009-2010)
2.	Harmonic Mitigation in Power Converters	PQPCS”10	-	-