

## Department of Electrical and Electronics Engineering

### Student Publications (2015-2016)

S. No	Name of the Student	Title of the Paper	Seminar/ Workshop/ Symposium/ Conference in which Presented	Venue	Organized By	Date	Position Secured	Relevant POs
<b>INTERNATIONAL CONFERENCE</b>								
1.	Sunil Kumar.A, Yadava Prasath.G, Prathap.S	Vehicular accident detection and positioning system powered by silencer turbine coupled with dynamo	International Conference of Engineering and Technology ICOET 2016	ICSA Seminar hall, Egmore	Top Engineers	09/04/2016	Best Paper Award	PO1, PO3, PO5, PO9, PO10
2.	D.S.Vijaya Raghavan., Vijay Kumar.N	Real time energy management system using wireless technology	International Conference of Engineering and Technology ICOET 2016	ICSA Seminar hall, Egmore	Top Engineers	09/04/2016	Presented	PO1, PO3, PO5, PO9, PO10
3.	C.Swaroop, S.Sabarinath Mohammed Akramali	Parallax P8X32A Proppler Microcontroller Based Smart Vehicle	International Conference of Engineering and Technology ICOET 2016	ICSA Seminar hall, Egmore	Top Engineers	09/04/2016	Presented	PO1, PO3, PO5, PO9, PO10
4.	G Yadava Prasath, S. Prathap, Sunil Kumar	Solar powered gas leakage detection and control system using servo valve	International Conclave on Renewable Energy Systems and Technology ICREST 2016	Saveetha University	Saveetha University	08/04/2016	Presented	PO1, PO3, PO5, PO9, PO10



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5.	Sooraj L.S., Thanigaivel S., Vibin Varghese	Integration of DC-DC CUK Converter for Efficient Regenerative Braking in Hybrid Electric Vehicles	International Conclave on Renewable Energy Systems and Technology ICREST 2016	Saveetha University	Saveetha University	08/04/2016	Best Paper Award	PO1, PO3, PO5, PO9, PO10
6.	P. N. Navaneetha Krishnan, Akhil Thejas	Noise reduction using single power supply op- amp by the method of automatic gain control	International Conclave on Renewable Energy Systems and Technology ICREST 2016	Saveetha University	Saveetha University	08/04/2016	Presented	PO1, PO3, PO5, PO9, PO10
7.	Vaishnavi. Priyanka A	Wind Energy powered and uninterrupted power supply	6 <sup>th</sup> International Conference on Science and Innovative Engineering	Jawahar Engineering College	Jawahar Engineering College	03/04/2016	Presented	PO1, PO3, PO8 PO10
8.	Brighty Mariam Babu	Design and Implementation of a Novel Multilevel Inverter for Switched DC Sources	6 <sup>th</sup> International Conference on Science and Innovative Engineering	Jawahar Engineering College	Jawahar Engineering College	03/04/2016	Presented	PO1, PO3, PO5, PO10
9.	Shiju. M. Thomas	Demand Side power management for PV / battery using linear Programming method	6 <sup>th</sup> International Conference on Science and Innovative Engineering	Jawahar Engineering College	Jawahar Engineering College	03/04/2016	Presented	PO1, PO3, PO5, PO10



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10.	Sooraj L.S., Thanigaivel S., Vibin Varghese	Integration of DC-DC CUK Converter for Efficient Regenerative Braking in Hybrid Electric Vehicles	International Conference on Science and Innovative Engineering	Jawahar Engineering College	Jawahar Engineering College	03/04/2016	Presented	PO1, PO3, PO5, PO8, PO10
11.	Arvind Narayanan, Anandha Prakash	Implementation of NOR flash	International Conference on Science and Innovative Engg.	Jawahar Engineering College	Jawahar Engineering College	03/04/2016	Presented	PO1, PO3, PO5, PO8, PO10
12.	Prakash V	Solar powered DC voltage multiplier for BLDC fan	2 <sup>ND</sup> International Conference on Emerging and Innovative trends in Power Systems and Power Electronics Engineering	T.J.S. Engineering College	T.J.S. Engineering College	02/04/2016	Presented	PO1, PO3, PO5, PO10
13.	Abinaya Christy, Elamathy .E	Wireless cardiac monitoring system	National conference on Innovative trends in Engineering and Technology NCITET 2K16	Aringar Anna Institute of Science and Technology	Aringar Anna Institute of Science and Technology	02/04/2016	Best Paper Award	PO1, PO3, PO5, PO9,PO10
14.	Sesha Maalini.C	Energy conserver for lighting loads in Industries	National conference on Innovative trends in Engineering and Technology NCITET 2K16	Aringar Anna Institute of Science and Technology	Aringar Anna Institute of Science and Technology	02/04/2016	Presented	PO1, PO3, PO5,PO10



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15.	Kundavai Nachiyar, R Keerthika, M Janani	Intergrated DC – DC boost converter for solar applications	2 <sup>ND</sup> International Conference on Emerging and Innovative trends in Power Systems and Power Electronics Engineering	T.J.S. Engineering College	T.J.S. Engineering College	02/04/2016	Presented	PO1, PO3, PO5, PO9, PO10
16.	Purushothaman.B, Pavithra, Sandyasri	Voltage Swell compensation in Remote Area Power System using SRF theory	2 <sup>ND</sup> International Conference on Emerging and Innovative trends in Power Systems and Power Electronics Engineering	T.J.S. Engineering College	T.J.S. Engineering College	02/04/2016	Presented	PO1, PO3, PO5, PO9, PO10
17.	T. Ajitha, Barrathi .A, Muppudathi. A	Energy Management System using modified artificial Bee colony algorithm in hybrid energy system	2 <sup>ND</sup> International Conference on Emerging and Innovative trends in Power Systems and Power Electronics Engineering	T.J.S. Engineering College	T.J.S. Engineering College	02/04/2016	Presented	PO1, PO3, PO5, PO9, PO10
18.	Aravindan. A, Jayapriya. S, Ashwin . R	GSM based home security system	PRATIYOG 2K16	Jeppiaar Engineering College	Jeppiaar Engineering College	30/03/16 – 31/03/16	First	PO1, PO3, PO9, PO10
19.	Seshamalini, P, Thilagavathi, Rajashree	Patient self management system using mobile technology	International conference on science, technology, engineering and management ICONSTEM 2016	Jeppiaar Engineering College	Jeppiaar Engineering College	30/03/2016	Presented	PO1, PO3, PO5, PO9, PO10



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20.	Ramya R, Sai Akshaya S	Fault analysis in doubly fed induction generator wind turbine using power electronic devices	International conference on science, technology, engineering and management ICONSTEM 2016	Jeppiaar Engineering College	Jeppiaar Engineering College	30/03/2016	Presented	PO1, PO3, PO5, PO9, PO10
21.	P. N. Navaneetha Krishnan, Akhil Thejas	Chopper based speed control of solar powered PMLDC fan	International conference on science, technology, engineering and management ICONSTEM 2016	Jeppiaar Engineering College	Jeppiaar Engineering College	30/03/2016	Presented	PO1, PO3, PO5, PO9, PO10
22.	Naveen Kumar S	Implementation of a novel piezoelectric transformer based DC-DC converter for high power applications	International conference on science, technology, engineering and management ICONSTEM 2016	Jeppiaar Engineering College	Jeppiaar Engineering College	30/03/2016	Presented	PO1, PO3, PO5, PO10
23.	Vinoth	Sclera Vein recognition system	International conference on science, technology, engineering and management ICONSTEM 2016	Jeppiaar Engineering College	Jeppiaar Engineering College	30/03/2016	Presented	PO1, PO3, PO5, PO10
24.	C Kundhavai Nachiyar, R.Keerthika, M.Janani	Analysis of DC-DC boost converter for solar applications	International conference on science, technology, engineering and management ICONSTEM 2016	Jeppiaar Engineering College	Jeppiaar Engineering College	30/03/2016	Presented	PO1, PO3, PO5, PO9, PO10



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25.	Akshai Raj. S, Arun Kumar V	Design and development of 5 phase inverter with reduced switches	International conference on science, technology, engineering and management ICONSTEM 2016	Jeppiaar Engineering College	Jeppiaar Engineering College	30/03/2016	Presented	PO1, PO3, PO5, PO9, PO10
26.	Priyatharshini K, Nijandhan N	Adaptive Control Technique for Generator Side Power System Voltage Stability at Wind Power Station	International Conference on Intelligent Computing and Applications ICICA'15	KCG College of Technology	KCG College of Technology	05/02/2016	Presented	PO1, PO3, PO5, PO9, PO10
27.	Nanda Kumar and Aravinth Raj S	FPGA Based Digital Multicarrier Offset PWM Method for Asymmetrical Thirteen Level Inverter for Solar PV	International Conference on Intelligent Computing and Applications ICICA'15	KCG College of Technology	KCG College of Technology	05/02/2016	Presented	PO1, PO3, PO5, PO9, PO10
28.	Nanda Kumar K, Aravinth Raj S	A novel single phase asymmetrical multilevel inverter with reduced number of switches	2nd International Conference on Intelligent Computing and Applications	KCG College of Technology	KCG College of Technology	05/06/2016 & 06/06/2016	Presented	PO1, PO3, PO5, PO10
<b>NATIONAL CONFERENCE</b>								
1.	G Yadava Prasath, S. Prathap, Sunil Kumar	Accident detection and positioning system powered by silencer turbine coupled with dynamo	National Conference "NCITET 2K16	Arignar Anna Institute of Science & Technology	Arignar Anna Institute of Science & Technology	02/04/2016	Presented	PO1, PO3, PO5, PO10



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2.	Mahalakshmi, Madhutrishna, Ashmita	Home Intelligent Management system	Intercollegiate Students Paper Presentation Contest - Grand Challenges for Engineering	Agni College of Technology	Agni College of Technology	06/04/2016	Presented	PO1, PO3, PO5, PO9, PO10
3.	S. Jayapriya, A. Aravindan , R. Aswin	GSM based security alert system	Minkalam	Jeppiaar Engg College	Jeppiaar Engg College	31/03/2016	Presented	PO1, PO3, PO5, PO9, PO10
4.	G Yadavaprasath, S. Prathap, Sunil Kumar	Solar powered gas leakage detection and control system using servo valve and automated gas booking system	Minkalam	Jeppiaar Engg College	Jeppiaar Engg College	31/03/2016	Presented	PO1, PO3, PO5, PO9, PO10
5.	C Kundhavai Nachiyar, R Keerthika, M Janani	Integrated DC-DC boost converter for solar applications	National Conference on Advances in Electrical & Electronics EngineeringNCAEE E-2016	Sri Venkateswara College of Engg	Sri Venkateswara College of Engg	21/03/2016 - 22/03/2016	Presented	PO1, PO3, PO5, PO9, PO10
6.	Raj Bharath, Vignesh V	Implementation of novel piezo electric transformer based DC-DC Converter for high power applications	National Conference on Advances in Electrical & Electronics Engineering NCAEEE	Sri Venkateswara College of Engg	Sri Venkateswara College of Engg	21/03/2016 - 22/03/2016	Presented	PO1, PO3, PO5, PO9, PO10



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7.	D Loganayagi, K Jeyanthi	Design of low complexity adjustable filter bank for personalised hearing aid solutions	National Conference on Advances in Electrical & Electronics Engineering NCAEEE	Sri Venkateswara College of Engg	Sri Venkateswara College of Engg	21/03/2016 - 22/03/2016	Presented	PO1, PO3, PO5, PO9, PO10
8.	Prakash V, Nanthakumar. O	A Multistage isolated DC-DC Converter for Street Lighting	National Conference on Recent Trends in Engineering	P.B. College of Engineering	P.B. College of Engineering	12/03/2016	Presented	PO1, PO3, PO5, PO9, PO10
9.	Navaneetha Krishnan	An inductor-less NX DC chopper based speed control of dc driver	National Conference on Recent Trends in Engineering	P.B. College of Engineering	P.B. College of Engineering	12/03/2016	Presented	PO1, PO3, PO5, PO9, PO10
10.	S. Naveen Kumar, Naveena	Implementation of a novel piezoelectric transformer based DC-DC converter for high power applications	National conference on Renewable Power generation (NCRPG'16)	Sree Sastha Institute of Engineering and Technology	Sree Sastha Institute of Engineering and Technology	04/03/2016	Presented	PO1, PO3, PO5, PO9, PO10
11.	Sai Akshaya	Integrated DC-DC boost converter	IMPULSE 2K16 National level Symposium	Chennai Institute of Technology	Chennai Institute of Technology	03/03/2016	Presented	PO1, PO3, PO5, PO10
12.	Revathi G, Manoj.V	Low voltage DC ceiling grid	Innovation of Engineering and Technology (IET16) State level final contest	Recruitment Analysis Council	Recruitment Analysis Council	19/03/2016	State level Final contestant with 8 CPE credits	PO1, PO3, PO5, PO9, PO10



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### Student Publications (2014-2015)

S. No	Name of the Student	Title of the Paper	Seminar/ Workshop/ Symposium/ Conference in which Presented	Position Secured
1.	Sunil KumarA Yadava Prasath G	Solar powered automatic gas governor	IIT PALS, IIT Madras	First Prize
2.	Maria Valentina A MadhumithaS Aparna Varma	Management of hybrid energy storage for isolated operation of a variable speed micro wind turbine system	IET Project Challenge	Best Final Year Project Second Runner
3.	Patrick Pious R;Ananya A	Solar powered DC Grid	IET Project Challenge	Best Final Year Project Award
4.	Anju Chadran, S.Priyadarshini G.Santhi	Automatic control of generator parameters using PLC in power station	IEEE Poster Challenge	Best Poster Award
5.	V.Vignesh, Naveen Honest Raj	Cost efficient zero drive power wheel chair for developing nations	'Know-a-Fest' All India Project presentation, Adhiyaman Engineering College, Hosur	II
6.	Nijandhan. N	EMERGION	National Conference, Veltech, Chennai,	I
7.	Nijandhan. N	EMERGION	International Conference, SRM University,	Special Appreciation
8.	Nijandhan. N,Purushothaman, Priya Dharshini	EMERGION	National Technical Symposium, RMD Engg College	II



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9.	Vignesh.V, Naveen Honest Raj	GPS Tracking System With License Detector And Speed Control Sensor	Intra College Paper Presentation, KCG College of Technology	I
10.	T.Manjula, Kundhavai Nachiyar	Energy Conservation	Intra College Paper Presentation, KCG College of Technology	II
11.	Kundhavai Nachiyar and T.Manjula	Energy Conservation	National Symposium RECEPTACLES 2k14 St.Peter's College of Engineering and Technology	I
12.	Nijandhan Purushothaman Nishant.R	EMERGION	Quanta 2014, College of Engineering Guindy, Chennai	III
13.	Krithika .R, Arya Gopan, Monikongkoan Bharadwaj	Automated parking slot allocation using GSM technique	Ekalaiva 2K15, Bharath University	I
14.	Vijayaragavan	Study of renewable energy sources capacity and loading using data logger for sizing of solar- wind hybrid power system	NCAICA-15 National Conference on Advancements in Instrumentation, Control & Automation	Presented
15.	Seshamalini.C	Design and Implementation of Energy Management System for DC Microgrid Systems with Fuzzy Control Logic	NCSGRES-2015 National Conference On Smart Grid And Renewable Energy Sources	Presented

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16.	Naveen honest Nixon manual R.K.Vignesh Kumar	Embedded conversational agent based home automation using FPGA	ICONSTEM 15 International Conference on Science, Technology, Engineering & Management	Presented
17.	Arvind Narayanan Anandha Prakash	Implementation of NOR Flash memory	ICONSTEM 15 International Conference on Science, Technology, Engineering & Management	Presented
18.	Arvind Narayanan Anandha Prakash	Device Driver Implementation for NOR Flash	JECCON'15 Jerusalem Engg. College	Presented
19.	Arvind Narayanan Anandha Prakash	Implementation of NOR Flash memory Using JFFS	JECCON'15 Jerusalem Engg. College	Presented
20.	Abinaya christy Elamathy	Integration of DC-DC CUK Converter for Efficient Regenerative Braking in Hybrid Electric Vehicles	NCSGRES-2015 National Conference On Smart Grid And Renewable Energy Sources	Presented
21.	Anju Chandran Brighty Mariam Babu	Automatic control of generator parameters using PLC in power station	NCAICA 15 National Conference on Advanced Instrumentation, Control & Automation	Presented
22.	Shanthi ,	A Magneticless Nx DC-DC Converter For SOLAR PV System	NCAICA 15 National Conference on Advanced Instrumentation, Control & Automation	Presented

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23.	Deebika S Sangavi C	Facts about Flexible AC Transmission Systems (FACTS) Controllers: Applications and Benefits	ICAREM 2015 International Conference on Applied Research in Engineering & Management	Presented
24.	Deebika S Priyanka Joseph	Implementation Of Smart Grid Technology In Pondicherry Power System	ICETECH – 2015 International Conference on Engineering & Technology	Presented
25.	Madhumitha S	Atmospheric Electricity And The Global Circuit	National Conference on Emerging Technologies in Electrical and Electronics Engineering NCEEE-2015	Presented
26.	Mahalakshmi Ashmita Anna Mathew	Implementation of an Embedded system of UART and LED using UBOOT& Linux	ICCET 2015 International Conference of Contemporary Engineering and Technology	Presented
27.	Kiruthika.R Monikongana Bharadwaj, Arya Gopan	Automated Parking Slot Allocation Using GSM Technology	CESCON 2015 International Conference on Computing, Communication & Energy Systems	Presented
28.	Manjula Kundhavai Nachiyar	Reduction in Energy Consumption	IEEE-EESCO International Conference on Electrical, Electronics, Signal Communication & Optimisation	Presented



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29.	K.Nandakumar S.Aravinth Raj	Minimizing Commutation Torque Ripple & PI Control for Brushless DC Motor Based on SEPIC Converter	ICCET 2015 International Conference of Contemporary Engineering and Technology	Presented
30.	Sindhuja	ZVS Full Bridge DC-DC Converter with bidirectional switch for battery charging application	National Conference on Emerging Technologies in Electrical and Electronics Engineering NCEEE-2015	Presented
31.	Thamaraiselvan	High Boost Ratio Hybrid DC-DC Converter for Battery charging applications	ICETER 2015 International Conference on Emerging Trends in Engineering & Research	Presented
32.	M.Prasanna Kumar	Implementation of Multiple-Input Multiple-Output Resonant Switched-capacitor Voltage copier for Hybrid Electric Vehicles	National Conference on emerging trends in Medical Electronics, Sensors and Instrumentation	Presented
33.	M.Prasanna Kumar	Implementation of Multiple-Input Multiple-Output Switched-Capacitor Resonant DC-DC Converter using Double, Half and Inverting circuits	ICETS'15 International Conference on Engineering, Technology & Science	Presented
34.	M.Prasanna Kumar	Implementation of Multiple-Input Multiple-Output Switched-capacitor Resonant DC-DC Converter using Double, Half and Inverting circuits	National Conference on Recent Trends in Modern Electronics and its Applications	Presented



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35.	Nitin Mathew	Closed Loop Control of IM using Space Vector Modulation	CESCON 2015 International Conference on Computing, Communication & Energy Systems	Presented
36.	A.Gayathri	Five level Diode clamped Inverter with three level boost converter	NCSGRES-2015 National Conference On Smart Grid And Renewable Energy Sources	Presented
37.	ArunS Thamaraiselvan	Permanent Magnet Synchronous Wind Generator With Matrix Converter Using Venturini Algorithm	ICONSTEM 15 International Conference on Science, Technology, Engineering & Management	Presented
38.	Devarapalli Prudhvi Raja Reddy	Swing Generator Using Power Electronics	ITEE-2K15 National Conference on Innovative Trends in EEE	Presented
39.	M.Nithyashree, K.Shanmuga Priya, G.Sanjana	Artificial Bee Colony Optimization Embedded With Simulated Annealing for Solving Multi-Objective Optimal Power Flow Problem	CESCON 2015 International Conference on Computing, Communication & Energy Systems	Presented
40.	A.Thenmozhi, N.Vijayalakshmi, J.Rajalakshmi	Solution of Contingency Constrained Economic Dispatch for Security Enhancement Using Improved Particle Swarm Optimization	ICETS'15 International Conference on Engineering, Technology & Science	Presented



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41.	R.Yazhini S.Vinitha S.Udhayakumari R.J.Thirumala Devi	Modified Artificial Bee Colony Optimization for The Combined Heat And Power Economic Dispatch Problem	ICETS'15 International Conference on Engineering, Technology & Science	Presented
42.	M.Nithyashree K.Shanmuga Priya G.Sanjana	Advanced artificial bee colony optimization Embedded with simulated annealing for solving Multi-objective optimal power flow problem	ICETS'15 International Conference on Engineering, Technology & Science	Presented
43.	A.Thenmozhi, N.Vijayalakshmi J.Rajalakshmi	Solution of Contingency Constrained Economic Dispatch for Security Enhancement Using enhanced Particle Swarm Optimization	ITEE-2K15 National Conference on Innovative Trends in EEE	Presented
44.	Maria Valentina .A Madhumitha.S Aparna Varma	Management of hybrid energy storage for wind turbine system using FACTS	ITEE-2K15 National Conference on Innovative Trends in EEE	Presented
45.	S.Shamili	A Universal Multistage High Brightness LED Driver for Street Lighting Application	PRAVAH 2015 Technical Symposium, Sai Ram Engineering College	Presented
46.	Patrick Pious R	Application Of Power Generated From Road Speed Breakers	VIT Institute of Technology	Presented
47.	Patrick Pious R Payal Dasbarma	Application Of Power Generated From Road Speed Breakers	PRAVAH 2015 Technical Symposium, Sai Ram Engineering College	Presented



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### Student Publications (2013-2014)

S. No	Name of the Student	Title of the Paper	Seminar/ Workshop/ Symposium/ Conference in which Presented	Position Secured
1.	Madhumitha S	Atmospheric Electricity And The Global Circuit	National Conference, St.Joseph College of Technology	Presented
2.	Priyanka Joseph Deebika.S	Implementation Of Smart Grid Technology In Pondicherry Power System	National Conference, St.Joseph College of Technology	Presented
3.	Sangavi C Deebika S	Facts about Flexible AC Transmission Systems (FACTS) Controllers: Applications and Benefits	National Conference, JEPPIAR Institute of Technology	Presented
4.	Shamili.S	A Universal Multistage High Brightness LED Driver for Domestic and Industrial Lighting Application	International Conference, S.A.Engineering College	Presented
5.	C.Sesha Maalini G. Sanjana	Solar Powered ECG using GGSM Transmitter	National Symposium, Chennai Institute of Technology	Presented
6.	A.Sunil Kumar M.Ram Prasad	Hydrogen Fuel Cell	National Symposium, Dhanalakshmi Engg College	Presented





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7.	Patrick Pious R	Application Of Power Generated From Road Speed Breakers	National Symposium, VI Institute of Technology	Presented
8.	S.Shamili	A Universal Multistage High Brightness LED Driver for Street Lighting Application	National Symposium, Sri Sai Ram Engineering College	Presented
9.	Patrick Pious.R Payal Dasbarm	Power Generation From Road Speed Breakers	National Symposium, Sri Sai Ram Institute of Technology	Presented