

**Publications**  
(from 2012-2013 to 2015-2016)

S. No	Name of the Faculty	Title of the Paper and publication details
Academic Year (2012-2013)		
<b>International Journals</b>		
1.	<b>Dr. R. Joseph Xavier</b>	S. Selvakumar, S Balamurugan, <b>R Joseph Xavier</b> , “ <b>Development of Controller for Parallel Operation of Gas Turbine Plants</b> ”, Electric Power Components and Systems, Vol. 41, No.1, pp. 100-109, Jan. 2013.
2	<b>Dr. C. Ganesh</b>	<b>C Ganesh</b> , SK Patnaik, “ <b>Artificial Neural Network based proportional plus integral plus derivative controller for a brushless DC Position Control System</b> ”, Journal of Vibration and Control, UK, Vol.18, No.14,pp. 2164-2175, Dec. 2012.
Academic Year (2013-2014)		
<b>International Journals</b>		
1	<b>Dr. C. Ganesh</b>	<b>C. Ganesh</b> , S.K. Patnaik, “ <b>A simple first order compensator for brushless direct current drive based position control system</b> ”, Journal of Vibration and Control, July 2013.
2	<b>Ms. S. Sangeetha</b>	Smrithi Radhakrishnan, <b>S.Sangeetha</b> , “ <b>Microcontroller based current detection in AC locomotives</b> ”, International Journal of Engineering Research and Applications, ISSN: 2248-9622, vol.4, Issue 3, version 4, March 2014.
3	<b>Mr. K. Maharaja, Ms. S. Sangeetha, Ms. K. Mareeswari</b>	<b>K. Maharaja, S. Sangeetha, K. Mareeswari</b> , “ <b>Sizing of Solar PV Power Plant in Stand-Alone Operation</b> ”, International Journal of Engineering Research & International Journal of Engineering Research & Technology, ISSN: 2278-0181 Vol. 3 Issue 6, June – 2014.
4	<b>Ms. P. Jeyalakshmi, Ms. G. Mahalakshmi</b>	<b>P. Jeyalakshmi, G. Mahalakshmi</b> , “ <b>Analysis of 31 level cascade inverter using MATLAB</b> ”, International journal of advances in engineering and technology, ISSN: 22311963, Nov.2013.
<b>International Conferences</b>		
1	<b>Mr. M. Mohamed Iqbal</b>	<b>Mohamed Iqbal.M</b> , Padma Balaji.L, Jayakar.M , Gokul.P, Karthik Kumar.R, Jairam.R, “ <b>Virtual simulation and embedded module of mobile phone using modified Braille display</b> ”, International conference on devices, circuits and systems, 6-8 march,

		2014 Karunya university, Coimbatore.
Academic Year (2014-2015)		
<b>International Journals</b>		
1	<b>Mr. M. Mohamed Iqbal</b>	S. Lakshmi Sankar, <b>M. Mohamed Iqbal</b> , “ <b>Ansi and IEC Standards Based Short Circuit Analysis of a Typical 2×30 MW Thermal Power Plant</b> ”, Middle-East Journal of Scientific Research 23 (8): 1617-1625, 2015,
2	<b>Mr. M. Mohamed Iqbal, Dr. R. Joseph Xavier</b>	<b>M. Mohamed Iqbal, R. Joseph Xavier</b> “ <b>Fuzzy Self-tuning PID Controller for Speedtronic Governor Controlled Heavy Duty Gas Turbine Power Plants</b> ”, Electric Power Components and Systems, Taylor and Francis, Volume 42 & Issue 14, Sep-14
3	<b>Ms. G. Suganya, Ms. L. Jenifer Amla</b>	<b>G. Suganya, L. Jenifer Amla, S. P. Dwarakesh</b> <b>Model Reference Adaptive Controller Using MOPSO for a Non-linear Boiler Turbine</b> ”, International Journal of Soft Computing and Engineering, Vol. 4, Issue 4, 2014.
4	<b>Dr. C. Ganesh</b>	Hazim Haneef, <b>C. Ganesh</b> , “ <b>Investigations on the design aspects of first order controller for Type I third order system</b> ”, International Journal of Applied Engineering Research, Vol. 10, No. 10, April 2015.
5	<b>Dr. C. Ganesh</b>	P. K. Abdu Samad, <b>C. Ganesh</b> , “ <b>Control and Energy Monitoring Scheme for a Stand-alone Wind Energy Conversion System</b> ”, International Journal of Computer Science and Engineering Communications, Vol. 3, Issue 1, April 2015.
6	<b>Ms. S. Sangeetha</b>	<b>S. Sangeetha, R. Mahalakshmi, R. Hemalatha</b> “ <b>Power quality analysis of grid connected wind energy conversion system under varying wind speed conditions with Synchronous generator and doubly fed Induction generator</b> ”, International Journal of Applied Engineering Research, Vol. 10, No. 10, April 2015.
7	<b>Ms. S. Sangeetha</b>	<b>S. Shenbaga Priya, S. Sangeetha</b> , “ <b>Modelling and Analysis of UPFC controller for power flow control</b> ”, International Journal of Applied Engineering Research, Vol. 10, No. 10, April 2015.
8	<b>Mr. K. Maharaja, Dr. R. Joseph Xavier, Ms. L. Jenifer Amla, Mr. P. Pradeep Balaji</b>	<b>K. Maharaja, R. Joseph Xavier, L. Jenifer Amla, P. Pradeep Balaji</b> , “ <b>Intensity Based Dual Axis Solar Tracking System</b> ”, International Journal of Applied Engineering Research, Vol. 10, No. 8, April 2015.
9	<b>Mr. M. Mohamed Iqbal, Dr. R. Joseph Xavier</b>	<b>M. Mohamed Iqbal, R. Joseph Xavier, P. Ananthi</b> “ <b>Linearized transfer function model of Biomass based heavy duty gas turbine plants</b> ”, International Journal of Applied Engineering Research, Vol. 10, No.

		10, April 2015.
10	<b>Dr. R. Joseph Xavier</b>	A. Madhura Dev Kumari, <b>R. Joseph Xavier</b> , “ <b>Optimal Pricing using interior point algorithm for deregulated market in power system</b> ”, International Journal of Applied Engineering Research, Vol. 10, No. 10, April 2015.
11	<b>Dr. R. Jayapal</b>	Smrithi Radhakrishnan, L. V. Venugopal, <b>R. Jayapal</b> , “ <b>A Comparitive Analysis and Investigation of Various MPPT Techniques for Solar Photovoltaic Systems</b> ”, International Journal of Applied Engineering Research, ISSN 0973-4562 Vol. 10 No.55 (2015)
12	<b>Ms. C. V. Pavithra</b>	B. Gunapriya, M. Sabrigirirajan, <b>C. V. Pavithra</b> , C. Vivekanadan, “ <b>Performance Enhancement of BLDC drives in Electric vehicles by using Fuzzy gain Scheduling PI controller</b> ”, International Journal of Applied Engineering Research, Vol. 10, No. 2, April 2015, pp. 3993-4006.
<b>International Conferences</b>		
1	<b>Ms. P. Jeyalakshmi</b>	L. V. Venugopal, Smrithi Radhakrishnan, <b>P. Jeyalakshmi</b> , “ <b>Optimal Battery usage and harmonic reduction in swapped cascaded Multilevel Inverter</b> ”, IEEE Sponsored 9 <sup>th</sup> International Conference on Intelligent Systems and Control (ISCO - 2015), 9-10. Jan 2015, Karpagam College of Engineering, Coimbatore.
2	<b>Dr. R. Jayapal</b>	L. V. Venugopal, <b>R. Jayapal</b> , “ <b>Matrix converter based energy saving for Street Lights</b> ”, IEEE International Conference on Circuit, Power and Computing Technologies, 19-20, March 2015, Noorul Islam University, Kanyakumari.
3	<b>Dr. R. Jayapal</b>	Smrithi Radhakrishnan, <b>R. Jayapal</b> , “ <b>Linear Current Booster for Solar fed DC Pumps</b> ”, IEEE International Conference on Circuit, Power and Computing Technologies, 19-20, Mar 2015, Noorul Islam University, Kanyakumari.
4	<b>Mr. M. Mohamed Iqbal</b>	Hazim Haneef, <b>M. Mohamed Iqbal</b> , S. Lakshmi sankar, “ <b>Variable Structured Controller for Voltage Stability Enhancement of Synchronous Generator Connected to an Infinite Bus System</b> ”, National Power Engineering Conference (NPEC 2015), April 2015, Thiagarajar College of Engineering, Madurai.
5	<b>Ms. S. Sangeetha, Mr. K. Maharaja, Mr. P. Pradeep Balaji</b>	<b>S. Sangeetha</b> , R. Mahalakshmi, <b>K. Maharaja, P. Pradeep Balaji</b> , “ <b>Power quality Improvement of grid connected wind energy conversion system using FACTS controller</b> ”, International Conference on Electrical, Instrumentation & Communication

		Engineering Recent trends and research issues ICE <sup>2</sup> , 2015,pp. 258.
6	<b>Mr. P. Pandiyan</b>	<b>P. Pandiyan, G. Uma, M. Umapathy, “Design and simulation of 3-bit MEMS thermal electro-compliant actuator based analog to digital converter”</b> , ISSS international conference on smart materials, structures and systems, July 2014.
Academic Year (2015-2016)		
<b>International Journals</b>		
1	<b>K. Maharaja, P. Pradeep Balaji, K. Natrajan, S. Sangeetha</b>	<b>K. Maharaja, P. Pradeep Balaji, K. Natrajan, S. Sangeetha, “Solar PV FED Current Pumped Battery Charger”</b> , Middle-East Journal of Scientific Research, Volume 23, Issue 9, pp. 2270-2277, 2015.
2	<b>Mr. M. Mohamed Iqbal</b>	<b>M. Mohamed Iqbal, B. Subatra, M. Kokila, Anjali. M. Nair, M. Jeshna Parveen “Validation of digital simulation using artificial neural network”</b> , International Journal of Industrial Electronics and Electrical Engineering, ISSN: 2347-6982 Volume-3, Issue-8, Aug.2015.
3	<b>Mr. M. Mohamed Iqbal, Dr. R. Joseph Xavier</b>	<b>M. Mohamed Iqbal, R. Joseph Xavier, “Optimization of droop setting using Genetic Algorithm for Speedtronic Governor controlled Heavy Duty Gas Turbine Power Plants”</b> , WSEAS Transaction on Power Systems.
<b>International Conferences</b>		
1	<b>Ms. V. Vaishnavi, Ms. C. V. Pavithra</b>	<b>V. Vaishnavi, C. V. Pavithra, “Simulation and hardware implementation of diode clamp multilevel inverter with SHE technique”</b> , Proceedings of International Conference on Alternate Energy Technologies (ICAET 2015), pp.32, 2015.
2	<b>Dr. C. Ganesh, Ms. S. Gomathy, Ms. L. Jenifer Amla</b>	<b>C. Ganesh, S. Gomathy, L. Jenifer Amla, “Control of Non-interacting tank systems using a first order non-iterative compensator”</b> , International conference on mathematical computer engineering (ICMCE 2015), Dec. 2015.
3	<b>Ms. M. Elakkiya, Mr. M. Mohamed Iqbal, Mr. V. Venkatesan, Ms. S. Gomathy</b>	<b>M. Elakkiya, M. Mohamed Iqbal, V. Venkatesan, S. Gomathy, “Energy conservation in Air conditioning system using smart control system”</b> , International Conference on Energy, Environment and Engineering (ICEEE 2016), Feb 2016.