



**R.M.K COLLEGE OF ENGINEERING AND TECHNOLOGY**  
RSM NAGAR, PUDUVOYAL-601 206



**Department of Electrical and Electronics Engineering**

**Faculty Activities**

**Academic Year 2014-15**

**FDP**

1. Ms. Bindu K V, Asst Prof attended one week **Faculty Quality Improvement Program** conducted by Shri Andal Alaghar College of Engineering from 03.11.2014 to 07.11.2014.
2. Ms.Catherine T J, Assoc. Prof completed the Course 2014 **IEEE Global Early Career Faculty Virtual Mini-Conference: Effective Teaching** on 12 December 2014.
3. Ms. G. Geetha Mahalakshmi Asst. Prof and Ms. B. Nagarani, Asst. Prof. attended a one week FDP on **Solid State Drives** conducted by RMK Engineering College from 05.12.2014 to 12.12.2014.
4. Hariharan N., Assistant Professor, participated in **Faculty Development Program on "EC 6304 – Electronics Circuits – I"** conducted by Anna University at R.M.K College of Engineering and Technology from 30.04.2014 to 6.05 2015.
5. Hariharan N., Assistant Professor, participated in **"Training program on PLC and Its Application "** conducted by Mitsubishi India private limited at R.M.K Engineering College from 06 to 08.05.2015
6. Dr. Kalaiarasi N., Prof & Head, Catherine T J., Associate Professor, Nageswari D., and GeethaMahalakshmi G., Assistant Professors attended Two Week FDP on **"Opportunities and Challenges in World Class Manufacturing"** conducted by R.M.K College of Engineering and Technology from 22.04.2015 to 06.05.2015.
7. Nagarani B., Assistant Professor attended STTP on **"LabVIEW" (Core I and Core II)** conducted by R.M.K College of Engineering from 01 to 05.06.2015.

**WORKSHOP**

1. Mr.K.Dilavar Basha., Asst Prof attended a one day Workshop on **Personal Safety Measures for Electrical Maintenance and Sewage Treat Plant Engineers** conducted by Sarvam Safety Equipments (P) Ltd on 23.07.2014.

2. Mr.K.Gunalan., Assoc Prof attended a two weeks Workshop on **Control Systems** conducted by NMEICT, IIT Kharagpur in Power Engineering Division of DEEE, Anna University, Chennai from 02.12.2014 to 12.12.2014.
3. Mr. L.Umasankar, Asst Prof attended a one Day Workshop on **How to write Research Papers** conducted by VIT, Chennai on 09.12.2014.
4. Bindu K V., Nageswari D., Hariharan N., Geetha Mahalakshmi G., and Nagarani B., Assistant Professors, attended a one day IET Workshop on **“How to Implement Solar Energy”** conducted by R.M.K College of Engineering and Technology 03.01.2015.
5. Nageswari D., Geetha Mahalakshmi G., Assistant Professors, attended a one day National Level Workshop on **“Industrial Automation in PLC & SCADA”** conducted by Kumaran Institute of Technology from 23 to 24.03.2015.
6. Nageswari D. and Geetha Mahalakshmi G., Assistant Professors, participated a **“Workshop on Research Article Writing and Patent”** in the International Conference on Technological Convergence for Information, Health, Food and Energy Security conducted by CSIR-CLRI, Adayar from 01 to 02.05.2015.

### **Faculty Journal Publications**

Sl. No.	Author	Paper Title	Journal Details
1	Dr. N. Kalaiarasi	Low Cost Non Recursive Digital Filter	Internal Journal of Computer Applications in Engineering, Vol.III, Special issue, pp.146-150.
2	Dr. N. Kalaiarasi	A Novel Reference Current Generation Algorithm for Three Phase Shunt Active Power Filter	Power Electronics and Renewable Energy Systems- Lecture Notes in Electrical Engineering, Vol. 326, Nov 2014, pp 1467-1475.
3	Dr. N.Kalaiarasi	Robust Scheduling Analysis for Stability Constraints in Network Control System,	International Review on Computers and Software, Vol.9, Issue No. 6, June 2014.
4	Dr. N.Kalaiarasi	Hardware Complexity Reduction of Parallel FIR Filter Structures based on Fast FIR	International Journal of Soft Computing, Vol 9(5), 2014 pp 308-313.

		Algorithm,	
5	Dr. N.Kalaiarasi	Synchronous Reference Frame Method for a Four Legactive Power Filter using UDCC Frequency Scheme Under non-Stiff Source Conditions	International Journal of Applied Engineering Research, Vol 10, Issue 7, 2015, pp 17779-17787.
6	Umadevi N	Data Interpolation and Design Optimisation of Brushless DC Motor Using Generalized Regression Neural Network	Journal of Electrical Engineering & Technology, Vol 10, Issue 1, Jan 2015, pp: 188-194.
7	Nageswari D	Single Phase Nine Level Inverter with Reduced Number of Switches	International Journal for Scientific Research & Development, Vol. 3, Issue2, April 2015, pp 960-965.
8	Umadevi R		
9	Gunalan K	A New Control Strategy to Enhance LVRT for Doubly Fed Induction Generator	WSEAS TRANSACTIONS on Power Systems, Vol. 10, 2015, pp 135-144.
10	J.Prakash	Design of PSO- Fuzzy MPPT Controller for photovoltaic Applications	Power Electronics and Renewable Energy systems, Vol 326, Issue XXVI .
11	J.Prakash	Design of Soft Switching Interleaved Boost Converter for Photovoltaic Application”,	Research Journal of Applied Sciences Engineering and Technology, Vol 9 Issue 4, February 2015, pp: 296-308.
12	Catherine T J	Improvement of Voltage Profile in Power Transmission System using Facts Devices	International Journal of Emerging Technology in Computer Science and Electronics, Vol 13, Issue 4, 2015, pp 522-531.
13	K.V.Bindu	A Dual Mode Topology for Low Power Applications	International Journal of Electrical and Electronics Research, ISSN 2348-6988, Vol. 2, Issue 3, pp: (118-125), July –September 2014.
14	B.Nagarani		

15	Bindu K V	Modeling and Simulation of an Integrated Photovoltaic-Wind Hybrid Power Generation Strategy	International Journal of Science Technology & Engineering, Vol. 1, Issue 10, April 2015, pp 41-46.
16	D.Nageswari	Implementation of Fuzzy Logic Tuned Direct Torque Control in Induction Motor for Torque Ripple Reduction,	International Journal of Engineering Research and Reviews Vol. 2, Issue 3, September 2014.
17	G.GeethaMahalakshmi		
18	D.Nageswari	Implementation of Two Mode Control Scheme of Synchronous Buck Boost DC-DC Converter”,	International Journal for Scientific Research & Development, Vol. 3, Issue 2, April 2015, pp 954-959.
19	G.Geetha Mahalakshmi		
20	Dilavar Basha K	A Novel Technique to Improve Power Quality using Fuzzy Logic Controller with Transformer Less Dynamic Voltage Restorer	International Journal of Science Technology & Engineering, Vol.1, Issue 10, April 2015, pp 109-114.
21	Nagarani B	Fuzzy Logic Controller for Stand Alone Wind Energy Conversion System	International Journal for Scientific Research & Development, Vol. 3, Issue 02, 2015, pp 1256-1261.

### Faculty Conference Details

Sl. No.	Author	Paper Title	Conference Details
1	Catherine T. J	Unified Power Quality Conditioner for performance enhancement of Transmission Line	International Conference on Advances in Engineering and Technology (ICAET-2015),Jaya Engineering College Chennai, on 28 <sup>th</sup> March 2015.
2	Catherine T. J	Unified Power Flow Controller for Improvement of parameters in a Transmission Line	International Conference on Advances in Engineering and Technology (ICAET-2015), Jaya Engineering College Chennai, 28 <sup>th</sup> March 2015.

3	Nageswari D	Implementation of Discontinuous Inductor Current Mode in Cuk Converter fed Brushless DC Motor	National Conference in Power Engineering, Power Electronics and Control Systems conducted by R.M.K. College of Engineering and Technology on 23.02.2015.
4	GeethaMahalakshmi G		
5	Ms.Nagarani B	Efficiency Optimization of PV System using Incremental Conductance Algorithm	National Conference in Power Engineering, Power Electronics and Control Systems conducted by R.M.K. College of Engineering and Technology on 23.02.2015.
6	Ms.Bindu K V		
7	Prakash J		