



Department of Electrical and Electronics Engineering

Faculty Activities

Academic Year 2016-17

FDP

1. Ms. Nageswari D., Assistant Professor II and Ms. Geetha Mahalakshmi G., Assistant Professor has completed training course on **“QMS AWARENESS as per ISO 9001:2015”** at BMQR Certifications Pvt Ltd, Chennai on 13.07.2016.
2. Ms. Geetha Mahalakshmi G., Assistant Professor has attended **“Faculty Development Programme”** organised by the PMO-IEDP at Anna University Chennai on 24 to 26.11.2016.
3. Ms. Nageswari D., Assistant Professor II has completed Faculty Development Program on **“Product Engineering Services- PACE Automotive Electronics”** at KPIT Technologies, Pune, from 12 to 17.12.2016.
4. Mr. Umasankar L., Assistant Professor II and Ms. Nagarani B., Assistant Professor has completed Faculty Development Program on **“Leadership Skills”** at RMK Engineering College, Chennai on 31.05.2016.
5. Mr. Gunalan K., Associate Professor and Dr. J. Prakash., Associate Professor has completed Anna University sponsored Faculty Development Program on **“Power System Operation and Control”** at RMK Engineering College, Chennai from 09 to 20.12.2016.
6. **Dr. Kalaiarasi N**, Professor and Head attended two days Faculty Development Program on **“Quality Improvement in Higher Education”** at VIT University, Vellore, on 25 to 26.02.2017.
7. Ms. Catherine T. J., Associate Professor, participated in participated in The IEEE Early Career Faculty Development Virtual Outcome based Education Workshop on 20.04.2017
8. Ms. Catherine T. J., Associate Professor, Ms. Bindu K V., Assistant Professor, Ms. Nagarani B participated in the Faculty Development Programme on **“Internet of Things”** at RMK Engineering College on 07.06.2017
9. Ms. Catherine T. J., Associate Professor, Ms. Nagarani., Assistant Professor attended the Faculty Development Programme on Python Programming at RMK Engineering College from 20 to 24.06.2017

10. Ms. Nageswari D., Assistant Professor, Ms. Geethamahalakshmi G., Assistant professor, has participated in the Faculty Development Programme on “Stress Management” organized by the Department of Management Studies, at Jeppiaar Engineering College from 03 to 05.05.2017.

WORKSHOP

1. Ms. Nageswari D., Assistant Professor II and Ms. Geetha Mahalakshmi G., Assistant Professor has attended Two Days National Workshop on “**Embedded System Technologies**” organised by IEEE Student Branch and IET Student Chapter at RMK College of Engineering and Technology, Chennai on 17 & 18.06.2016.
2. Ms. Nagarani B., Assistant Professor has attended Two Days Workshop on “**Power System Studies using ETAP & DigSILENT**” at RMK Engineering College, Chennai from 25 & 26.11.2016.
3. Ms. Bindu K V, Assistant Professor., Ms. Nagarani B, Assistant Professor has participated in One day Workshop on “**Intellectual Property Rights & Patent Drafting**” organised by the Innovation & Entrepreneurship Development Centre, RMK Engineering College, Chennai on 28.01.2017
4. Ms. Nageswari D, was successfully completing the course “ EMBEDDED SYSTEMS DESIGN” during Jan-Apr 2017 at NPTEL Online Certification courses.
5. Ms. Catherine T. J. participated in participated in The IEEE Early Career Faculty development Virtual Outcome Based Education Workshop on 20th April 2017
6. Ms. Catherine T. J Participated in two days workshop on “Application of Soft computing in Electrical Research” on 25th and 26th May 2017 at st. Joseph’s Institute of Technology, Chennai
7. Ms. Catherine T. J participated in the Faculty Development Programme on “Internet of Things” at RMK Engineering College on 07.06.2017
8. Ms. Catherine T. J attended the faculty development programme on Python Programming at RMK Engineering College during 20.06.2017 to 24.06.2017

Faculty Journal Publications

Sl. No.	Author	Paper Title	Journal Details
1	Dr. Kalaiarasi N	In-Situ Domestic Load Harmonic	Circuits and Systems, 2016, 7,

		Detection and Reduction based on GLRM Algorithm for Optimum Filter Excerpt	pp. 2095-2108.
2	Dr. Kalaiarasi N	Surveying the Power Quality in Non-linear Loads of Tower Block for Performance Assessment through Optimization and Transformation Filters	Journal of Computational and Theoretical Nanoscience, 2016

Faculty Conference Details

Sl. No.	Author	Paper Title	Conference Details
1	Dr. Kalaiarasi.N	Adaptive Sensorless Maximum Power Point Tracking Control for PMSG Wind Energy Conversion System	IEEE Sponsored International Conference on Science Technology, Engineering and Management(ICONSTEM2017) at Jeppiaar Engineering College, Chennai, on 23 rd &24 th March 2017
2	Dr. Kalaiarasi.N	A Multilevel Inverter Topology with Reduced Number of Switches	National Conference on Innovative Trends in Engineering & Technology held at Arignar Anna Institute of Science & Technology on 31.03.2017
3	Gunalan K	A Novel Method Of Series Compensation In DFIG During Grid Fault	Second National Conference on Recent Innovations in Electronics and Computing Technologies held at Annai Veilankanni's College of Engineering on 18.03.2017.
4	Gunalan K	Resistive Super Conducting Fault current limiter for FRT Capability in DFIG	National Conference on Recent Innovations and Trends in Mechanical Engineering NCRITME 17" conducted by Rajalakshmi Institute of Technology, Chennai on 07.03.2016.

5	Dr. Prakash J	An Adjustable-Speed PFC Sepic Converter-Fed BLDC Motor Drive	IEEE Sponsored International Conference on Science, Technology, Engineering and Management (ICONSTEM 2017) held at Jeppiaar Engineering College from 23 to 24.03.2017.
6	Catherine T. J	Performance improvement of a transmission system with Unified Power Flow Controller with series compensation	International Conference on Contemporary Topics in Power Engineering and Aiding Technologies (ICCPEAT'2017), 24th - 25 th February, 2017, Puducherry, INDIA.
7	Catherine T. J	An Investigation into the Behavior of the Unified Power Flow Controller with Power Control Methods Enhanced by Series Compensation Control	International Conference on Innovations in Electrical, Information and Communication Engineering (ICIEICE17), Kongunadu College of Engineering and Technology, Tiruchirapalli, March 24-25, 2017
8	Catherine T. J	A Single Phase Hybrid Filter For Power Quality Improvement For Electrified Transportation	National conference on Recent Innovations and Trends in Mechanical Engineering NCRITME 17 at Rajalakshmi Institute of Technology, on 23 rd and 24 th March 2017
9	Catherine T. J	High Step-Up Converter With Three-Winding Coupled Inductor For Fuel Cell Source Applications	International Intellectual convergence on Advances in Sciences and Engineering IIASE-2017, at Aalim Muhammed Salegh College of Engineering, Chennai on 3 rd and 4 th March 2017.
10	Umasankar L	Simultaneous Microgrid Voltage and Current Harmonics Compensation Using Coordinated Control of Dual-Interfacing Converters	4 th International Conference on Modelling Simulation and Control held at N. B. K. R Institute of Science & Technology on 30.03.2017
11	Bindu K V	A Fuzzy based High Step Up Interleaved Converter for Hybrid	International Conference on Recent Innovations in Science, Technology,

		System Application	Management and Environment held at Indian Federation of United Nations Associations on 19.06.2016.
12	Bindu K V	High efficient interleaved converter for renewable energy system	2 nd National Conference on Recent Innovations in Electronics and Computing Technologies (NCRIECT'17) held at Annai Veilankanni's College of Engineering on 18.03.2017.
13	Bindu K V	Sepic Conveter with Voltage Matching Control for Energy Systems	International Conference on Instrumentation, Electrical and Electronics Engineering (ICEEE 2017) held at Saveetha Engineering College on 31.03.2017.
14	D. Nageswari	participated	9th Edition - Conference on Automotive R&D Trends, organized by Tamilnadu Technology Development and Promotion Center of CII on 9th March 2017 at Hotel Taj Coromandel, Chennai
15	D. Nageswari	Design of Smart Vehicle System Management Using LIFI Technology	National Conference on Recent Innovations and Trends in Mechanical Engineering NCRITME 17 on 23rd and 24th March 2017 at Rajalakshmi Institute of Technology.
16	D. Nageswari	Power Quality Improvement In Distribution System Using Automated on Load Tap Changer" and got Best Paper Award in the NCET-2017	NATIONAL CONFERENCE ON EMERGING TECHNOLOGIES – 2017 held at Arunai College of Engineering, Tiruvannamalai, 11th March 2017.
17	Dilavar Basha K	Process Control Of Fuel Enrichment From Industrial Gaseous Waste Using PLC	National Conference on Recent Innovations and Trends in Mechanical Engineering at Rajalakshmi Institute of Technology from 23 to 24.03.2017

18	Dilavar Basha K	A Reference Impedance-Based Passive Islanding Detection for Inverter-Based Distributed Generation	4th National Conference on Signals, Computing & Communication held at Rajiv Gandhi College of Engineering on 22.03.2017
19	Dilavar Basha K	Design of control method to prevent collapse of Microgrid	International Intellectual Convergence on Advances in Science and Engineering held at Aalim Muhammed Salegh college of Engineering from 03 to 04.03.2017.
20	G.Geethamahalakshmi	Demand Side Management for Residential Loads using OMRAN <i>CPIE-N40</i> .	International Conference at Saveetha Engineering College
21	Nagarani B	Real Time GA Based Selective Harmonic Elimination in 9 Level Inverter	Second National Conference on Recent Innovations in Electronics and Computing Technologies (NCRIECT '17) held at Annai Veilankanni's College of Engineering, Chennai on 18th March 2017.
22	Hariharan N	Network of Water Treatment Using IoT	National conference on signal, computing & Communication on 22 nd March organized by ECE department Rajiv Gandhi College of Engineering, Chennai.
23	Hariharan N	New Single phase multi level inverter topology with reduced no of switches	National conference on Recent innovation and trends in mechanical Engineering NCRITME 17 on 23 rd and 24 th March 2017 RIT, Chennai