

**PRIYADARSHINI ENGINEERING COLLEGE, Vaniyambadi -635751**

**DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING**



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*MD.TAHIR.M.A (Final year)*

***MYSTERIOUS TRANSIENTS***

## ABOUT THE INSTITUTE

*Priyadarshini Engineering College, the flagship of Jai Barath Charitable Trust, was established in 1995 at Vaniyambadi in Vellore District of Tamil Nadu. The college has been approved by All India Council for Technical Education, New Delhi & affiliated to Ana University, Chennai. Priyadarshini Engineering College situated in the rural area of Vaniyambadi, Vellore District is committed to the vision of developing itself into a multi-campus, Inter-disciplinary Institution of Excellence through symbiotic efforts and innovative practices of management and faculty to provide the student with an ambient academic environment, ideal for the pursuit of knowledge and development carrier.*

### VISION OF THE INSTITUTE

- *To inculcate in the young rural minds the aptitude to compete with the quality technocrats.*

### MISSION OF THE INSTITUTE

- *To instill technical skills to compete in the sustainable world*
- *To impart holistic value based technical education*
- *To intensify research and development (r & d) activities in technological development*
- *To imbibe core values of love for motherland performance of duty, compassion, tolerance, honesty and integrity*

### MOTTO

*perseverance, endurance, commitment*

**“கற்றலும், கற்றவை கேட்டலும், கேட்டதன்கண்  
நிற்றலும்”**

## MYSTERIOUS TRANSIENTS

HOD MESSAGE

As the Head of the Department of EEE, I am extremely happy to highlight the progress made by the Department of Electrical and Electronics Engineering at Priyadarshini Engineering College. I am delighted to inform you that the department at present has 13 highly talented faculty members of which 1 are Doctorates and 6 Faculty members are pursuing their Ph.D. We have all laboratories with full facility required for EEE curriculum. We have well equipped department library to cater to the needs of standard text books for all EEE subjects for the benefit of our staff and students. Our academic programme aims to prepare the students for new challenges in the area of Electrical and Electronics Engineering. We are committed to give our students an environment where they would be able to develop critical thinking and problem-solving skills as they advance through the program. In addition to class room teaching, the students are guided and motivated to practically implement the principles learnt in classroom through experimentation in the laboratories which help them gain confidence and become skilled engineering professionals. Whether you are a student, parent, prospective faculty member or a curious individual, we invite you to visit our campus to witness the state-of-the-art facilities and excellent teaching-learning atmosphere. Our enthusiasm knows no bounds even in nascent stages, and our dedication to lead Electrical and Electronics Engineering to new heights is indeed strong. We look forward to hearing from you.

## VISION OF THE DEPARTMENT

- To produce eminent electrical engineer specifically from the rural background.

## MISSION OF THE DEPARTMENT

- Infuse moral ethics and good virtues to the students
- Providing good technical knowledge for innovative research and development
- Making them excellent in extracurricular activities

**Programme Educational Objectives (PEOs)**

## PEO 1: Core Competence

Graduates excel in analyzing, designing, simulating and testing of all electrical and electronics systems.

## PEO2: Societal Requirements

Graduates are successful in giving solutions for real time problems to cater to the industrial and societal requirements.

## PEO 3: Lifelong Learning

Graduates can adapt to lifelong learning to enhance their technical skills.

## PEO 4: Leadership Qualities

Graduates exhibit their leadership qualities in a multidisciplinary field.

*Programme Outcomes(POs)**PO1: Engineering Knowledge:**Understand and apply basic concepts of Mathematics, Physics, Chemistry and Engineering.**PO2: Problem Analysis :**Understand and analyze circuit theory, electromagnetic theory, control theory and apply them to electrical engineering applications.**PO3: Design &Development of Solutions:**Analyze and design the electrical and electronics components and to apply in solid state drives and power systems.**PO4: Investigation of Complex problems:**Conduct investigation in complex problems of power system operation, stability, control and protection.**PO5: Modern Tool Usage:**Use contemporary computing tools and techniques in Electrical Engineering applications.**PO6: Engineer and Society:**Handle engineering aspects of electrical energy, utilization and the impact of engineering solutions to the societal needs.**PO7: Environment & Sustainability:**Acquire knowledge of contemporary issues to sustain the ever changing environment.**PO8: Ethics:**Apply the ethical principles to their profession and social issues.***STAFF ACHIVEMENTS**

*Mr.A.Ashok Kumar, Assistant Professor has participated in two days National Level Workshop on "Hands on Training in programmable logic Controller using GE and Horner" conducted by MELZ INDCOSYS SOLUTIONS LLP, Coimbatore-25 on 1<sup>st</sup> & 2<sup>nd</sup> March,2016 at SNS College of Technology(AUTONOMOUS), Coimbatore.*

*Mr.M.C.Annamalai, Assistant Professor has participated in two days National Level Workshop on "Hands on Training in programmable logic Controller using GE and Horner" conducted by MELZ INDCOSYS SOLUTIONS LLP, Coimbatore-25 on 1<sup>st</sup> & 2<sup>nd</sup> March, 2016 at SNS College of Technology (AUTONOMOUS), Coimbatore.*

*Mr.P.Elumalai, Assistant Professor has participated in two days National Level Workshop on "Hands on Training in programmable logic Controller using GE and Horner" conducted by MELZ INDCOSYS SOLUTIONS LLP, Coimbatore-25 on 1<sup>st</sup> & 2<sup>nd</sup> March, 2016 at SNS College of Technology (AUTONOMOUS), Coimbatore.*

*Mrs.N.Jayanthi, Associate Professor has published a paper titled "A Grid Connected Solar PV Array with Power Quality analysis using MPPT technique" in International Journal of Advanced Research in Biology engineering Science and Technology (IJARBEST), Volume 2, Special Issue 10, March 2016.*

*Mrs.R.Rajeswari, Associate Professor has published a paper titled "Development and Simplified Model of DFEG with Wind and Solar for Efficient Energy Improvement" in International Journal of Advanced Research in Biology engineering Science and Technology (IJARBEST), Volume 2, Special Issue 10, March 2016.*

*Mr.K.Sathish Kumar, Assistant Professor has published a paper titled "Co-Ordination of Directional and Non Directional over Current Relay for Distributed System" in International Journal of Advanced Research in Biology engineering Science and Technology (IJARBEST), Volume 2, Special Issue 10, March 2016.*

Mr.M.C.Annamalai, Assistant Professor has published a paper titled "An under Frequency Load Shedding Scheme for Multi Area Power System" in International Journal of Advanced Research in Biology engineering Science and Technology (IJARBEST), Volume 2, Special Issue 10, March 2016.

Mrs.N.Jayanthi, Associate Professor has presented a paper entitled " A Grid Connected Solar PV Array with Power Quality analysis using MPPT technique" in the International Conference on Global Innovations in Computing Technology organized by the Department of Computer Science and Engineering, Jay Shriram Group of institutions held during 4<sup>th</sup> & 5<sup>th</sup> March,2016.

Mrs.R.Rajeswari, Associate Professor has presented a paper entitled "Development And Simplified Model Of DFIG With Wind And Solar For Efficient Energy Improvement" in the International Conference on Global Innovations in Computing Technology organized by the Department of Computer Science and Engineering, Jay Shriram Group of institutions held during 4<sup>th</sup> & 5<sup>th</sup> March,2016.

Mr.K.Sathish kumar Assistant Professor has presented a paper entitled "Co-Ordination of Directional and Non Directional over Current Relay for Distributed System" in the International Conference on Global Innovations in Computing Technology organized by the Department of Computer Science and Engineering, Jay Shriram Group of institutions held during 4<sup>th</sup> & 5<sup>th</sup> March, 2016.

Mr.M.C.Annamalai, Assistant Professor has presented a paper entitled "An Under Frequency Load Shedding Scheme For Multi Area Power System" in the International Conference on Global Innovations in Computing Technology organized by the Department of Computer Science and Engineering, Jay Shriram Group of institutions held during 4<sup>th</sup> & 5<sup>th</sup> March,2016.

Dr.R.Thiepa, Professor has presented a paper entitled "A Novel AC/DC Bridgeless and Contactless Electrical energy Transmission System using Coreless planar Transformer" in two days National Level conference on "Renewable Energy Sources and Applications" held on March 7 & 8, 2016 organised by Adhiyamaan College of Engineering, Dr.M.G.R.Nagar, Hosur.

Mrs.C.Bhuvaneshwari, Associate Professor has presented a paper titled " A Hybrid DC Component Minimisation in Transformerless three phase Grid connected systems by integral method" in National Conference on Recent Trends in Engineering and Technology (NCRTEET<sub>2</sub>K'16) held on 22<sup>nd</sup> March,2016 at Vivekanandha College of Technology for Women,Tiruchengode.

Dr.R.Thiepa, Professor has presented a paper entitled "Chaotic Quantum Genetic Algorithm based Economic dispatch of Renewable distribution Generation" in International Conference on Electrical, Electronics and Soft Computing systems at Vivekananda Engineering College, Tiruchengode on 22<sup>nd</sup> March 2016.

Dr.R.Thiepa, Professor has presented a paper entitled "Saturation Analysis on Current Transformer" in International Conference on Electrical, Electronics and Soft Computing systems at Vivekananda Engineering College, Tiruchengode on 23<sup>rd</sup> March 2016.

Mr.S.Nirmal Rajan, Assistant Professor has presented a paper on " Damping of Sub synchronous Resonance in Negative and zero sequence using Neural network controlled UPFC" in a National Conference on " Soft Computing Technique Applications in Power Electronics and Power Systems" organized by Department of Electrical and Electronics Engineering of Kuppam Engineering College held on 26<sup>th</sup> March 2016.

Mr.A.Ashok Kumar, Assistant Professor has presented a paper on "Bipolar Topology of HVDC Circuit Breaker with fast faulting clearing capability" in a National Conference on " Soft Computing Technique Applications in Power Electronics and Power Systems" organized by Department of Electrical and Electronics Engineering of Kuppam Engineering College held on 26<sup>th</sup> March 2016.

Mrs.C.Bhuvaneshwari, Associate Professor has presented a paper titled " DC Component Minimisation Transformerless three phase grid connected photovoltaic inverters by intergral method" in the National Conference on "Innovations in Power Engineering and Soft Computing (IPESC 21016) " held on 30<sup>th</sup> March,2016 organized by the Department of Electrical and Electronics, Sona College of Technology, Salem.

Dr.R.Thiepa, Professor has published a paper entitled " Identification of Breast Cancer by Fuzzy-K means Algorithm" in international Journal of Science and Humanities, Volume 2, Issue 4, pp.1-8, April 2016.

*Dr.R.Thiepa, Professor has presented a paper entitled "Parallel Power Processing Topology for Solar PV Applications" in the National Conference NCIRSEM'16 organised by P.S.V college of Engineering and Technology on 6<sup>th</sup> & 7<sup>th</sup> April 2016.*

*Dr.R.Thiepa, Professor has presented a paper entitled "A Magnetically Loaded Composite Flywheel Energy Storage System For An Isolated Real Time Micro Grid" in the Two Days National Conference on "Recent Innovations in Engineering, Technology, Management & Applications" (RIETMA-2016) held on 15<sup>th</sup> & 16<sup>th</sup> April 2016 at Priyadarshini Engineering college, Vaniyambadi.*

*Mrs.N.Jayanthi, Associate Professor has presented a paper entitled "Power Flow Control by using Hybrid power Generation" in the Two Days National Conference on "Recent Innovations in Engineering, Technology, Management & Applications" (RIETMA-2016) held on 15<sup>th</sup> & 16<sup>th</sup> April 2016 at Priyadarshini Engineering college, Vaniyambadi*

*Mrs.C.Bhuvanewari, Associate Professor has presented a paper entitled "Integration of Wind Power and Wind Power Generation Systems Using a Dc Micro Grid" in the Two Days National Conference on "Recent Innovations in Engineering, Technology, Management & Applications" (RIETMA-2016) held on 15<sup>th</sup> & 16<sup>th</sup> April 2016 at Priyadarshini Engineering College, Vaniyambadi.*

*Mrs.R.Rajeswari, Associate Professor has presented a paper entitled "An improved IUPQC Controller to provide Additional Grid Voltage Regulation" in the Two Days National Conference on "Recent Innovations in Engineering, Technology, Management & Applications" (RIETMA-2016) held on 15<sup>th</sup> & 16<sup>th</sup> April 2016 at Priyadarshini Engineering College, Vaniyambadi*

*Mrs.R.Rajeswari, Associate Professor has presented a paper entitled "Grid Side Converter Control of Doubly Fed Induction Generator for Wind Energy Conversion" in the Two Days National Conference on "Recent Innovations in Engineering, Technology, Management & Applications" (RIETMA-2016) held on 15<sup>th</sup> & 16<sup>th</sup> April 2016 at Priyadarshini Engineering College, Vaniyambadi.*

*Mrs.K.Malarkodi, Assistant Professor has presented a paper entitled "DC/DC Converter For Offshore Wind Energy Generation By Using Resonant Switched Capacitor Cell" in the Two Days National Conference on "Recent Innovations in Engineering, Technology, Management & Applications" (RIETMA-2016) held on 15<sup>th</sup> & 16<sup>th</sup> April 2016 at Priyadarshini Engineering College, Vaniyambadi.*

*Mr.V.Karthikeyan, Assistant Professor has presented a paper entitled "A Grid Power Quality Enhancement By Dual Voltage Source Inverter " in the Two Days National Conference on "Recent Innovations in Engineering, Technology, Management & Applications" (RIETMA-2016) held on 15<sup>th</sup> & 16<sup>th</sup> April 2016 at Priyadarshini Engineering College, Vaniyambadi.*

*Mr.S.Nirmal Rajan, Assistant Professor has presented a paper entitled "Damping of Sub Synchronous Resonance in Negative and Zero Sequence Using Neural Network Controlled UPFC" in the Two Days National Conference on "Recent Innovations in Engineering, Technology, Management & Applications" (RIETMA-2016) held on 15<sup>th</sup> & 16<sup>th</sup> April 2016 at Priyadarshini Engineering College, Vaniyambadi.*

*Mr.K.Sathish kumar, Assistant Professor has presented a paper entitled "Co-Ordination of Directional Over-Current Relay for Distributed System" in the Two Days National Conference on "Recent Innovations in Engineering, Technology, Management & Applications" (RIETMA-2016) held on 15<sup>th</sup> & 16<sup>th</sup> April 2016 at Priyadarshini Engineering College, Vaniyambadi.*

*Mr.K.Sathish kumar, Assistant Professor has presented a paper entitled "Transient Stability Analysis in Microgrid" in the Two Days National Conference on "Recent Innovations in Engineering, Technology, Management & Applications" (RIETMA-2016) held on 15<sup>th</sup> & 16<sup>th</sup> April 2016 at Priyadarshini Engineering College, Vaniyambadi.*

*Mr.A.Ashok kumar, Assistant Professor has presented a paper entitled "Power Quality Enhancement In Power Distribution System Using Dynamic Voltage Restorer" in the Two Days National Conference on "Recent Innovations in Engineering, Technology, Management & Applications" (RIETMA-2016) held on 15<sup>th</sup> & 16<sup>th</sup> April 2016 at Priyadarshini Engineering College, Vaniyambadi*

Mr.A.Ashok kumar, Assistant Professor has presented a paper entitled "Bipolar Topology of HVDC Circuit Breaker with Fast Fault Clearing Capabality" in the Two Days National Conference on "Recent Innovations in Engineering, Technology, Management & Applications" (RIETMA-2016) held on 15<sup>th</sup> & 16<sup>th</sup> April 2016 at Priyadarshini Engineering College, Vaniyambadi.

Mr.M.C.Annamalai, Assistant Professor has presented a paper entitled "An Underfrequency Load Shedding Scheme for Hybrid Power Systems" in the Two Days National Conference on "Recent Innovations in Engineering, Technology, Management & Applications" (RIETMA-2016) held on 15<sup>th</sup> & 16<sup>th</sup> April 2016 at Priyadarshini Engineering College, Vaniyambadi.

Mr.P.Elumalai, Assistant Professor has presented a paper entitled "Positive-Sequence Voltage Injection-Based Control Strategy" in the Two Days National Conference on "Recent Innovations in Engineering, Technology, Management & Applications" (RIETMA-2016) held on 15<sup>th</sup> & 16<sup>th</sup> April 2016 at Priyadarshini Engineering College, Vaniyambadi.

#### **STUDENTS ACHIEVEMENTS:**

Ms.P.Mari of final year has participated in paper presentation and presented a paper titled "Ultrasonic Motor" in National Level Technical symposium held on 20<sup>th</sup> February 2016 organised by Ganadipathy Tulsi's Jain Engineering College, Chittoor-Cuddalore Road, Kaniyambadi, Vellore.

Ms.P.Mari of final year has participated in paper presentation and presented a paper titled "Ultrasonic Motor" in National Level Technical symposium held on 20<sup>th</sup> February 2016 organised by Ganadipathy Tulsi's Jain Engineering College, Chittoor-Cuddalore Road, Kaniyambadi, Vellore.

Mr.Santhosh.P of second year PG (PSE) has presented a paper entitled " Power optimization by Honey bee Mating Algorithm in Integrated Energy Grid" in International conference on Power Systems at S.A. Engineering College, Chennai on 25<sup>th</sup> February 2016 and also accepted for publication in IEEE Xplore Digital Library.

Ms.Archana.A of second year PG (PSE) has published a paper titled "A Grid Connected Solar PV Array with Power Quality analysis using MPPT technique" in International Journal of Advanced Research in Biology engineering Science and Technology (IJARBEST), Volume 2, Special Issue 10, March 2016.

Ms.Ashwini.G of second year PG (PSE) has published a paper titled "Development and Simplified Model of DFIG with Wind and Solar for Efficient Energy Improvement" in International Journal of Advanced Research in Biology engineering Science and Technology (IJARBEST), Volume 2, Special Issue 10, March 2016.

Ms.Pavithra.T of second year PG (PSE) has published a paper titled "An under Frequency Load Shedding Scheme for Multi Area Power System" in International Journal of Advanced Research in Biology engineering Science and Technology (IJARBEST), Volume 2, Special Issue 10, March 2016.

Ms.Priyanka.M.P of second year PG (PSE) has published a paper titled "Co-Ordination of Directional and Non Directional over Current Relay for Distributed System" in International Journal of Advanced Research in Biology engineering Science and Technology (IJARBEST), Volume 2, Special Issue 10, March 2016.

Ms.Archana.A of second year PG (PSE) has presented a paper entitled " A Grid Connected Solar PV Array with Power Quality analysis using MPPT technique" in the International Conference on Global Innovations in Computing Technology organized by the Department of Computer Science and Engineering, Jay Shriram Group of institutions held during 4<sup>th</sup> & 5<sup>th</sup> March,2016.

Ms.Ashwini.G of second year PG (PSE) has presented a paper entitled "Development and Simplified Model of DFIG with Wind and Solar for Efficient Energy Improvement" in the International Conference on Global Innovations in Computing Technology organized by the Department of Computer Science and Engineering, Jay Shriram Group of institutions held during 4<sup>th</sup> & 5<sup>th</sup> March, 2016.

Ms.Pavithra.T of second year PG (PSE) has presented a paper entitled "An under Frequency Load Shedding Scheme for Multi Area Power System" in the International Conference on Global Innovations in Computing Technology organized by the Department of

Ms.Priyanka.M.P of second year PG (PSE) has presented a paper entitled "Co-Ordination of Directional and Non Directional over Current Relay for Distributed System" in the International Conference on Global Innovations in Computing Technology organized by the Department of Computer Science and Engineering, Jay Shriram Group of institutions held during 4<sup>th</sup> & 5<sup>th</sup> March, 2016.

Ms.Riddhi.N of final year has participated in paper presentation and presented a paper titled "A Novel AC/DC Bridgeless and Contactless Electrical energy Transmission System using Coreless planar Transformer" in two days National Level conference on "Renewable Energy Sources and Applications" held on March 7 & 8, 2016 organised by Adhiyamaan College of Engineering, Dr.M.G.R.Nagar, Hosur.

Ms.Nivedha.S of final year has participated in Paper Presentation and presented a paper titled "A Novel AC/DC Bridgeless and Contactless Electrical energy Transmission System using Coreless planar Transformer" in two days National Level conference on "Renewable Energy Sources and Applications" held on March 7 & 8, 2016 organised by Adhiyamaan College of Engineering, Dr.M.G.R.Nagar, Hosur.

Mr.Gowtham.S of final year has presented a paper titled "GPS based Border intimation and Fishermen Rescue" in the National Level Technical Symposium "E<sup>3</sup> FEST 2016" held on 11<sup>th</sup> March 2016 organised by Podhigai College of Engineering & Technology, Salem Road, Thirupattur.

Mr.Vinothkumar.A of final year has presented a paper titled "GPS based Border intimation and Fishermen Rescue" in the National Level Technical Symposium "E<sup>3</sup> FEST 2016" held on 11<sup>th</sup> March 2016 organised by Podhigai College of Engineering & Technology, Salem Road, Thirupattur.

Mr.ShyamSundar.R of final year has presented a paper titled "Idea to design a Solar tree using Nanowire solar Cells" in the National Level Technical Symposium "E<sup>3</sup> FEST 2016" held on 11<sup>th</sup> March 2016 organised by Podhigai College of Engineering & Technology, Salem Road, Thirupattur.

Mr.Arun.V of third year has presented a paper titled "Footstep Power Generation using Piezo electric Transducers" in the National Level Technical Symposium "E<sup>3</sup> FEST 2016" held on 11<sup>th</sup> March 2016 organised by Podhigai College of Engineering & Technology, Salem Road, Thirupattur.

Mr.ShyamJeyaraj.A of third year has presented a paper titled "Footstep Power Generation using Piezo electric Transducers" in the National Level Technical Symposium "E<sup>3</sup> FEST 2016" held on 11<sup>th</sup> March 2016 organised by Podhigai College of Engineering & Technology, Salem Road, Thirupattur.

Mrs.Riddhi.N of third year has presented a paper titled "Life Cycle Analysis of Low-Speed Multi-blade Wind Turbine" in the National Level Technical Symposium "E<sup>3</sup> FEST 2016" held on 11<sup>th</sup> March 2016 organised by Podhigai College of Engineering & Technology, Salem Road, Thirupattur.

Mr.Santhosh.P of second year PG (PSE) has presented a paper entitled "Chaotic Quantum Genetic Algorithm based Economic dispatch of Renewable distribution Generation" in International Conference on Electrical, Electronics and Soft Computing systems at Vivekananda Engineering College, Tiruchengode on 22<sup>nd</sup> March 2016.

Mr.Santhosh.P of second year PG (PSE) has presented a paper entitled "Saturation Analysis on Current Transformer" in International Conference on Electrical, Electronics and Soft Computing systems at Vivekananda Engineering College, Tiruchengode on 23<sup>rd</sup> March 2016.

Ms.Dhivya.K of second year PG (PSE) has presented a paper on " Damping of Sub synchronous Resonance in Negative and zero sequence using Neural network controlled UPFC" in a National Conference on " Soft Computing Technique Applications in Power Electronics and Power Systems" organized by Department of Electrical and Electronics Engineering of Kuppam Engineering College held on 26<sup>th</sup> March 2016.

Ms.Priyanka.D of second year PG (PSE) has presented a paper on "Bipolar Topology of HVDC Circuit Breaker with fast faulting clearing capability" in a National Conference on " Soft Computing Technique Applications in Power Electronics and Power Systems" organized by Department of Electrical and Electronics Engineering of Kuppam Engineering College held on 26<sup>th</sup> March 2016.



Mr.Gowtham.S of final year has participated in "State Level Workshop & Exhibition on Learn to Earn & Lab to Land" organized by Entrepreneurship Development Cell, Priyadarshini Engineering College, Vaniyambadi held on 30<sup>th</sup> March 2016.

Mr.Vinothkumar.A of final year has participated in "State Level Workshop & Exhibition on Learn to Earn & Lab to Land" organized by Entrepreneurship Development Cell, Priyadarshini Engineering College, Vaniyambadi held on 30<sup>th</sup> March 2016.

Ms.Jayashree.T of final year has presented a paper entitled "Parallel Power Processing Topology for Solar PV Applications" in the National Conference NCIRSEM'16 organised by P.S.V college of Engineering and Technology on 6<sup>th</sup> & 7<sup>th</sup> April 2016.

Ms.Mari.P of final year has presented a paper entitled "Parallel Power Processing Topology for Solar PV Applications" in the National Conference NCIRSEM'16 organised by P.S.V college of Engineering and Technology on 6<sup>th</sup> & 7<sup>th</sup> April 2016.

Mr.Santhosh.P of second year PG (PSE) has presented a paper entitled "A Magnetically Loaded Composite Flywheel Energy Storage System For An Isolated Real Time Micro Grid" in the Two Days National Conference on "Recent Innovations in Engineering, Technology, Management & Applications" (RIETMA-2016) held on 15<sup>th</sup> & 16<sup>th</sup> April 2016 at Priyadarshini Engineering college, Vaniyambadi.

Ms.Archana.A of second year PG (PSE) has presented a paper entitled "Power Flow Control by using Hybrid power Generation" in the Two Days National Conference on "Recent Innovations in Engineering, Technology, Management & Applications" (RIETMA-2016) held on 15<sup>th</sup> & 16<sup>th</sup> April 2016 at Priyadarshini Engineering college, Vaniyambadi

Mr.Vinoth.R of second year PG (PSE) has presented a paper entitled "Integration of Wind Power and Wind Power Generation Systems Using a Dc Micro Grid" in the Two Days National Conference on "Recent Innovations in Engineering, Technology, Management & Applications" (RIETMA-2016) held on 15<sup>th</sup> & 16<sup>th</sup> April 2016 at Priyadarshini Engineering College, Vaniyambadi.

Ms.Ashwini.G of second year PG (PSE) has presented a paper entitled "Grid Side Converter Control of Doubly Fed Induction Generator for Wind Energy Conversion" in the Two Days National Conference on "Recent Innovations in Engineering, Technology, Management & Applications" (RIETMA-2016) held on 15<sup>th</sup> & 16<sup>th</sup> April 2016 at Priyadarshini Engineering College, Vaniyambadi.

Ms.Indhu.R of second year PG (PSE) has presented a paper entitled "DC/DC Converter for Offshore Wind Energy Generation by Using Resonant Switched Capacitor Cell" in the Two Days National Conference on "Recent Innovations in Engineering, Technology, Management & Applications" (RIETMA-2016) held on 15<sup>th</sup> & 16<sup>th</sup> April 2016 at Priyadarshini Engineering College, Vaniyambadi.

Mr.J.Seeralan of second year PG (PSE) has presented a paper entitled "A Grid Power Quality Enhancement by Dual Voltage Source Inverter" in the Two Days National Conference on "Recent Innovations in Engineering, Technology, Management & Applications" (RIETMA-2016) held on 15<sup>th</sup> & 16<sup>th</sup> April 2016 at Priyadarshini Engineering College, Vaniyambadi.

Ms.K.Divya of second year PG (PSE) has presented a paper entitled "Damping of Sub Synchronous Resonance in Negative and Zero Sequence Using Neural Network Controlled UPFC" in the Two Days

National Conference on "Recent Innovations in Engineering, Technology, Management & Applications" (RIETMA-2016) held on 15<sup>th</sup> & 16<sup>th</sup> April 2016 at Priyadarshini Engineering College, Vaniyambadi

Ms.Priyanka.M.P of second year PG (PSE) has presented a paper entitled "Co-Ordination of Directional Over-Current Relay for Distributed System" in the Two Days National Conference on "Recent Innovations in Engineering, Technology, Management & Applications" (RIETMA-2016) held on 15<sup>th</sup> & 16<sup>th</sup> April 2016 at Priyadarshini Engineering College, Vaniyambadi.

Ms.Hema.M of second year PG (PSE) has presented a paper entitled "Transient Stability Analysis in Micro grid" in the Two Days National Conference on "Recent Innovations in Engineering, Technology, Management & Applications" (RIETMA-2016) held on 15<sup>th</sup> & 16<sup>th</sup> April 2016 at Priyadarshini Engineering College, Vaniyambadi.

Ms.Jayapriya.M of second year PG (PSE) has presented a paper entitled "Power Quality Enhancement in Power Distribution System Using Dynamic Voltage Restorer" in the Two Days 15<sup>th</sup> & 16<sup>th</sup> April 2016 at Priyadarshini Engineering College, Vaniyambadi. National Conference on "Recent Innovations in Engineering, Technology, Management & Applications" (RIETMA-2016) held on

Ms.Priyanka.D of second year PG (PSE) has presented a paper entitled "Bipolar Topology of HVDC Circuit Breaker with Fast Fault Clearing Capability" in the Two Days National Conference on "Recent Innovations in Engineering, Technology, Management & Applications" (RIETMA-2016) held on 15<sup>th</sup> & 16<sup>th</sup> April 2016 at Priyadarshini Engineering College, Vaniyambadi.

Ms.Pavithra.T of second year PG (PSE) has presented a paper entitled "An Under frequency Load Shedding Scheme for Hybrid Power Systems" in the Two Days National Conference on "Recent Innovations in Engineering, Technology, Management & Applications" (RIETMA-2016) held on 15<sup>th</sup> & 16<sup>th</sup> April 2016 at Priyadarshini Engineering College, Vaniyambadi.

Mr.V.Sukumar of second year PG (PSE) has presented a paper entitled "Positive-Sequence Voltage Injection-Based Control Strategy" in the Two Days National Conference on "Recent Innovations in Engineering, Technology, Management & Applications" (RIETMA-2016) held on 15<sup>th</sup> & 16<sup>th</sup> April 2016 at Priyadarshini Engineering College, Vaniyambadi.

Mr.Vijay.B of first year PG (PSE) has presented a paper entitled "Novel Idea for Monitoring and Detecting Explosives in Railway Network" in the Two Days National Conference on "Recent Innovations in Engineering, Technology, Management & Applications" (RIETMA-2016) held on 15<sup>th</sup> & 16<sup>th</sup> April 2016 at Priyadarshini Engineering College, Vaniyambadi.

Mr.Sankar Ganesh.M of first year PG (PSE) has presented a paper entitled "Novel Idea for Monitoring and Detecting Explosives in Railway Network" in the Two Days National Conference on "Recent Innovations in Engineering, Technology, Management & Applications" (RIETMA-2016) held on 15<sup>th</sup> & 16<sup>th</sup> April 2016 at Priyadarshini Engineering College, Vaniyambadi.

Ms.Srilekha.R of first year PG (PSE) has presented a paper entitled "Comparison of PSO Models for Optimal Placement and Sizing of STATCOM with Simulation" in the Two Days National Conference on "Recent Innovations in Engineering, Technology, Management & Applications" (RIETMA-2016) held on 15<sup>th</sup> & 16<sup>th</sup> April 2016 at Priyadarshini Engineering College, Vaniyambadi.

Ms.Limba.B of first year PG (PSE) has presented a paper entitled "Comparison of PSO Models for Optimal Placement and Sizing of STATCOM with Simulation" in the Two Days National Conference on "Recent Innovations in Engineering, Technology, Management & Applications" (RIETMA-2016) held on 15<sup>th</sup> & 16<sup>th</sup> April 2016 at Priyadarshini Engineering College, Vaniyambadi.

**HANDS ON TRAINING**

The department organized One day Hands on Training programme on 20<sup>th</sup> February 2016 with the theme "MATLAB" and the Chief guest for this programme was Mr.K.Vinoth kumar, Asst.Prof, School of Electrical Sciences, Karunya University, Karunya nagar, Coimbatore, and Mrs. S.Jebarani Evangeline, Asst.Prof, School of Electrical Sciences, Karunya University, Karunya nagar, Coimbatore.



## “SYNCHRO SHOCKZ’16”

The department organized one day National Level Technical Symposium “SYNCHRO SHOCKZ’16” on 18.03.2016 and the Chief guest for this symposium was Dr.G.Baskar,M.E.,Ph.D.,FIE,Principal, Bharathidasan Engineering College, Natrampalli, Vellore District.

