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Real Time Projects A.Y.:2017-18

S.No.	Project Title
1	Improvement of Power System stability using FACTS Device
2	A Solar Power Generation System with a Seven-Level Inverter
3	A Peak-Capacitor-Current Pulse-Train-Controlled Buck Converter With Fast Transient Response And A Wide Load Range
4	Analysis, Modeling And Control Of An Interleaved-Boost Full-Bridge Three-Port Converter For Hybrid Renewable Energy Systems
5	Flexible Voltage Control Strategy Considering Distributed Energy Storages For Dc Distribution Network
6	Implementation of Perturb and observe MPPT of PV System With Direct Control Method Using Buck And Buckboost Converters
7	Design and implementation of closed loop control system for buck converter using different techniques
8	Boost converter for HVDC Photovoltaic system
9	Design of single stage grid type inverter for residential single phase application
10	A Novel Single phase Single stage inverter for solar applications
11	Power Stable regulation of Direct Drive Permanent Magnet Wind Power System using Pitch and Torque control
12	Commutation Torque Ripple Reduction strategy of Z-Source inverter fed Brushless DC motor
13	Stability of Boost Converter Connected to a Photovoltaic Panel
14	A Design of single axis Solar Tracking system

15	An IoT based Smart Solar Photovoltaic Remote Monitoring
16	Analysis of Active Power control for VSC-HVDC
17	Home Monitoring and Security system
18	Simulation and performance analysis of Solar PV-Wind Hybrid Energy System using MATLAB/SIMULINK
19	Home Automation by using Raspberry Pi and Android Application
20	Reduction of Voltage and Current Ripples in Z-Source Inverter for Photo Voltaic Applications
21	Stand alone photovoltaic system with integrated online UPS to smooth output fluctuations.
22	Voltage control of solar PV and battery storage in grid connected mode.
23	Modeling of PV array and control of grid connected PV system to provide quality power to grid.
24	Simulation and modelling of PV wind hybrid power system
25	IoT based Smart Energy Meter
26	High efficiency solar tracking using Arduino and converting 12 V to 230 V inverter circuit using pulse width modulator IC SG3525
27	An Optimal method to design a trap CL filter for a PV AC-module based on Flyback inverter.
28	Advanced car parking system using Arduino
29	Analysis and Simulation of 3-phase harmonic filters in HVDC lines.
30	Design and Implementation of a highly efficient pure sine wave inverter for PV applications.
31	An improved Buck PFC converter with high power factor

32	Designing and hardware implementation of Quadcopter using CC3D and FS-16 Transmitter and Receiver
33	Improving the performance of a cascaded H-bridge based interline dynamic voltage restorer
34	Solar PV-wind hybrid power generation system
35	ANFIS based speed control of DC motor
36	Power management strategies for a grid connected PV-FC hybrid system
37	Power quality improvement in a 6-pulse DC traction substation
38	Impact of DG interface control on Islanding detection zones
39	DC-AC switching converter modelings of a PV grid connected system under islanding phenomena
40	Comparison between five level and seven level active neutral point clamped converter for PV energy generation
41	Microcontroller controlled Automated college bell
42	Image text to speech conversion with Raspberry Pi
43	Energy Conservation by using Auditing techniques
44	A single phase grid connected fuel cell system based on Boost Inverter
45	A variable DC link based novel multilevel inverter topology for low voltage applications

Advanced Projects A.Y.:2017-18

S.No.	Project Title
1	A Design of single axis Solar Tracking system
2	An IoT based Smart Solar Photovoltaic Remote Monitoring
3	Home Automation by using Raspberry Pi and Android Application
4	IoT based Smart Energy Meter
5	Advanced car parking system using Arduino
6	Designing and hardware implementation of Quadcopter using CC3D and FS-16 Transmitter and Receiver
7	Impact of DG interface control on Islanding detection zones
8	Image text to speech conversion with Raspberry Pi

Prototype Projects

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1	A Design of single axis Solar Tracking system
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3	Home Monitoring and Security system
4	Home Automation by using Raspberry Pi and Android Application
5	Simulation and modelling of PV wind hybrid power system
6	IoT based Smart Energy Meter
7	High efficiency solar tracking using Arduino and converting 12 V to 230 V inverter circuit using pulse width modulator IC SG3525
8	Advanced car parking system using Arduino
9	Designing and hardware implementation of Quadcopter using CC3D and FS-16 Transmitter and Receiver
10	Microcontroller controlled Automated college bell
11	Image text to speech conversion with Raspberry Pi

Societal Application Projects A.Y.:2017-18

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5	Advanced car parking system using Arduino
6	Image text to speech conversion with Raspberry Pi