BRILLIANT INSTITUTE OF ENGINEERING AND TECHNOLOGY

Approved By AICTE, New Delhi, Affiliated to JNTU-H
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Department of Electrical & Electronics Engineering

IV Year Projects (2019-2020)

S.NO	PROJECT NAME	TECHNOLOGY
1	AC motor speed control using power Triac.	AURDINO-BASED
2	Automatic Room Light control with Visitor Counting for power saving applications	AURDINO-BASED
3	PC Based DC Motor speed and direction control using PWM and H-Bridge	AURDINO-BASED
4	Solar based mobile charging system	AURDINO-BASED
5	PC based substation monitoring.	AURDINO-BASED
6	Intelligent automatic transformer load sharing system.	AURDINO-BASED
7	Automatic Active Phase selector for single phase load from three phase supply	AURDINO-BASED

8	DC Motor speed control using PWM Technique using AT89S52 MCU	AURDINO-BASED
9	Automatic street light controlling with vehicle movement at night times.	AURDINO-BASED
10	Automatic Temperature based Fan Speed Controller	AURDINO-BASED
11	Solar tracking system	AURDINO-BASED
12	Automatic plant irrigation with four different time slots	AURDINO-BASED
13	Radio frequency based remote Industrial Appliances control system	AURDINO-BASED
14	Automatic plant irrigation system with dry / wet soil sense and controlling 230V water pump for agricultural applications using AT89S52 MCU	AURDINO-BASED
15	High sensitive LDR based power saver for street light control system	AURDINO-BASED

16	PC Based Hi-Tech industrial automation with auto / manual modes of operation	**AURDINO-BASED**
17	Bipolar Operation Investigation of Current Source Converter-Based Wind Energy Conversion Systems	**MAT LAB-BASED**
18	Design and Control of Micro-Grid fed by Renewable Energy Generating Sources	**MAT LAB-BASED**
19	Single-Phase to Three-Phase Unified Power Quality Conditioner Applied in Single Wire Earth Return Electric Power Distribution Grids	**MAT LAB-BASED**
20	Design and Control of Micro-Grid fed by Renewable Energy Generating Sources	**MAT LAB-BASED**
21	Power-current controller based sliding mode control for DFIG-wind energy conversion system	**MAT LAB-BASED**
22	Power Quality Enhancement in Residential Smart Grids Through Power Factor Correction Stages	**MAT LAB-BASED**
23	Reactive Power Control for Single-phase Grid-tie Inverters using Quasi Sinusoidal Waveform	**MAT LAB-BASED**

24	Commutation Torque Ripple Reduction in the BLDC Motor Using Modified SEPIC and Three-Level NPC Inverter	**MAT LAB-BASED**
25	BLDC Motor Driven Solar PV Array Fed Water Pumping System Employing Zeta Converter	**MAT LAB-BASED**
26	Control and Implementation of a Standalone Solar Photo-Voltaic Hybrid System	**MAT LAB-BASED**
27	A Performance Investigation of a Four-Switch Three-Phase Inverter-Fed IM Drives at Low Speeds Using Fuzzy Logic and PI Controllers	**MAT LAB-BASED**
28	Electric Spring for Voltage and Power Stability and Power Factor Correction	**MAT LAB-BASED**
29	Dual Buck Inverter with Series Connected Diodes and Single Inductor	**MAT LAB-BASED**
30	Solar PV-Powered SRM Drive for EVs With Flexible Energy Control Functions	**MAT LAB-BASED**
31	A Novel Method of Reducing Commutation Torque Ripple for Brushless DC Motor Based on Cuk Converter	**MAT LAB-BASED**

32	A Hybrid Diesel-Wind-PV-Based Energy Generation System With Brushless Generators	MAT LAB-BASED

INTERNSHIPS:

- Our EEE department Students is selected for internship in ECIL, Hyderabad
- Our Students and faculty made SOLAR STREET LIGHT
- Our Students and faculty made DIGITAL NOTICE BOARD
- Conducted Work shop on MATLAB, PLC SCADA, AUTO CAD
- Out Students have undergone training on Networking & Storage and Computers and Peripherals under PMKVY during vacation