

Details of UG Project Supervised in Electrical Engg. Department

Academic year 2011-12

Sr. no.	Bachelor degree project supervised
1.	Energy Auditing of the College
2.	Traffic Light Control Model
3.	Water Level detector using Transducer
4.	Solar Indicator
5.	Automatic Star-Delta starter
6.	Digital Code Lock Office Gate
7.	Temperature Control Fan Regulator
8.	Cooler Water Level alarm
9.	Model of 132KV Sub-Station
10.	Inverter
11.	AC Drives
12.	Automatic Street Light

Academic year 2012-13

Sr. no.	Bachelor degree project supervised
1.	Cell phone Device Control
2.	Liquid Level Alarm using 8051 microcontroller
3.	Speed Checker at Highway
4.	Industrial Timer
5.	H-bridge control of DC motor using PC
6.	Automatic Railway Gate Control with Track Switching
7.	Battery Charger
8.	Energy Audit
9.	Energy Efficient Technologies
10.	Automatic Street Lighting
11.	Solar Indicator
12.	Energy Conservation of College

Academic year 2013-14

Sr. no.	Bachelor degree projects supervised
1.	Hall Effect Sensor based Non-Contact Tachometer
2.	Model of Hydro power Plant
3.	Model of Thermal Power Plant
4.	Obstacle Avoiding Robot without microcontroller
5.	Energy Efficient Technologies
6.	Blind Turn Warning System
7.	DC to DC Step-down Converter
8.	DC speed Synchronization
9.	Auto Traffic Ambulance
10.	Automatic Irrigation System

Academic year 2014-15

Sr. no.	Bachelor degree projects supervised
1.	Maglev Train
2.	Ocean Thermal Energy Conversion
3.	Cyclo-Converter for Fundamental, $f/2$ and $f/3$ using gate Controlled Thyristor
4.	Noise to Electricity Generation
5.	Automatic Solar Tracking with Automatic Street Lighting System
6.	Industrial Drafting Fan in Space Control using BLDC Motor
7.	Solar Power Generation using Auto Tracking System
8.	Moving Message Display
9.	Energy Generation from Pendulum
10.	HVDC Transmission
11.	Energy Audit of the College
12.	Speed Control of 1-phase Induction Motor using Cycloconverter.

Academic year 2015-16

Sr. no.	Bachelor degree projects supervised
1.	Bluetooth Robot Control
2.	Automatic Room Light Control
3.	Model of Bipolar HVDC Transmission
4.	Automatic 4-Axis Solar Power panel Tracking
5.	Light Intensity Measurement and Control using LUX meter
6.	Power Theft Detection and Wireless system
7.	Grid-Tied, Off- Grid and Hybrid Solar System
8.	High Temperature Superconductor and its Applications

Academic year 2016-17

Sr. no.	Bachelor degree projects supervised
1.	PIR based Energy Conservation using PWM-LDR & Temp. Sensor
2.	Hybrid Power Generation by Solar & Piezoelectric Crystal
3.	IOT based Energy Meter
4.	Automatic Vehicle Accident Detection and Message System
5.	City Waste Co-generation power Plant
6.	Lineman Safety Protection Scheme using Microcontroller with GSM Module
7.	Design and Implementation of IOT based Home Automation System
8.	Hybrid Vertical Axis Wind Turbine
9.	Thermo- Electric & Solar Hybrid Power Generation
10.	A Smart Cap (micro sleeps detection & control system at Indian railway for Locomotive driver)
11.	Solar Energy Based Home System having Timer and Controlling using app.
12.	Energy Management & Energy Auditing
13.	Underground Fault Distance Converted ever over GSM
14.	Improvement of Voltage Profile of 11KV Distribution Feeder
15.	DC Home
16.	Maintenance of Distribution Transformer
17.	Smart Load Scheduling

Academic year 2017-18

Sr. no.	Bachelor degree projects supervised
1.	Over Current Relay with Alarm Indicator
2.	Arduino Based Robotic Arm
3.	Forest Fire Early Alarm System
4.	Visiting Different Sites for Data and Images of Transmission Towers
5.	220KV Sub Station Sirsa Model
6.	Zone Wise Parameter Control
7.	Optimum Energy Management System
8.	Automatic Power Factor Correction
9.	RFID Based Automatic Toll Tax Collection System Using Arduino
10.	Automatic and Manual Water Irrigation System
11.	Magneto Hydro Dynamic (MHD) Generation- A Model
12.	RFID Based Patient Monitoring System
13.	Automatic Defence Security System
14.	Solar Tracking System
15.	Transmission Towers, Conductors, & Insulators, Sag Calculations of Transmission Lines between two Towers for different Voltages
16.	Overload-cum-Phase Changeover Relay of Grid Control using PID Controller
17.	Energy Efficient Technologies
18.	400kV SubStation Nuhianwali -A model
19.	Bike Start with Helmet & Speed Control messaging
20.	3-phase Faulty Analysis System with Auto reset on temporary fault and permanent trip