



# IGEEKS Technologies

Bridging Technology.

## **IGEEKS TECHNOLOGIES**

### **Software Training Division**

**Academic Projects for BE, ME, MCA, BCA and PHD Students**

### **IGEEKS Technologies (Make Final Year Project)**

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**Land mark: Near to Mantri Mall, Malleswaram Bangalore**

## **Electrical**

15\_5\_WSN AND IOT-BASED SMART HOMES AND THEIR EXTENSION TO SMART BUILDINGS

15\_6\_DESIGN & IMPLEMENTATION OF SMART CITY USING CONTROLLED AREA NETWORK PROTOCOL FOR CONTROLLING PURPOSE

15\_10\_378\_Hardware Demonstration of a Home Energy Management System for Demand Response Appl

15\_11\_GREENCHARGE: MANAGING RENEWABLE ENERGY IN SMART BUILDINGS

15\_15\_An Effective Wireless Solution for Industrial Automation

15\_16\_MICROCONTROLLER BASED THREE PHASE FAULT ANALYSIS FOR TEMPORARY AND PERMANENT FAULT

15\_17\_A NOVEL RECONFIGURABLE MICROGRID ARCHITECTURE WITH RENEWABLE ENERGY SOURCES AND STORAGE

15\_24\_IEEE\_IOT based Solution for Home Power Energy Monitoring and Actuating

15\_28\_Multiple Appliances Controlling and Monitoring System based on Wireless Embedded Home Gateway

15\_29\_IEEE\_An Approach for Monitoring and Smart Planning of Urban Solid Waste Management

14\_7\_IEEE\_WSN-Based Smart Sensors and Actuator for Power Management in Intelligent Buildings

14\_16\_IEEE\_Toward a Secure Wireless-Based Home Area Network for Metering in Smart Grids

14\_11\_165\_Design and Construction of Microcontroller Based Wireless Remote Controlled Industrial Electrical Appliances Using Zigbee Technology

14\_15\_Design and Implementation of High Precision Automated Online Monitoring of Distribution Transformer (OMDT) Device

14\_Design of an Efficient Power Control System for Computer Laboratory

14\_Energy Efficient Intelligent Street Lighting System using Zigbee and Sensors

14\_Fault Analysis and Electrical Protection of Distribution Transformers

69\_SOLAR PANEL CONTROLLER AND POWER OPTIMIZATION

64\_C\_DIALY SMS REPORT BASED PREPAID & POSTPAID ENERGY METER  
64\_A\_ AN INTELLIGENT SMS BASED REMOTE WATER METERING SYSTEM  
64\_DIALY SMS REPORT BASED PREPAID ENERGY METER  
14\_Substation Phase Controller for automatic load shedding with overload alert  
14\_Substation Phase Controller  
14\_Web Based Substation Monitoring Protection & Control  
14\_Wireless Power Transmission for Mobile and Vehicle  
14\_Web-based Electronic Load To Test DC Power Supply  
207\_Demand Side Load Management of Smart Grids Using Intelligent Trading Metering Billing  
85\_INTELLIGENT CONTACTOR FOR HIGH POWER MOTORS  
80\_WIRELESS TRANSFORMER PARAMETER MEASUREMENT AND PROTECTION  
210\_REAL TIME AUTOMATION IN PADDY FIELD WITH SECURITY  
211\_FAULT DETECTION AND CORRECTION IN DC MOTOR  
240\_Power Theft identification using Energy meter  
257\_Design and Implementation of a Power Converter for Electric Bike with Charging Feature  
258\_Substation monitoring with SMS alert  
259\_Implementation of Solar Illumination System with Two-Stage Charging and Dimming Control Function  
271\_More Efficient Home Energy Management System using Android Phone  
283\_Smart Billing System using Zigbee

## **Agriculture**

14\_405\_Intelligent Food Management System-Maintenance of Agro and Non-Agro Foods in Cold Storage Warehouse  
14\_IEEE\_Crop Leaf Area Index Observations with a Wireless Sensor Network and Its Potential for Validating Remote Sensing Products  
15\_11\_GREENCHARGE: MANAGING RENEWABLE ENERGY IN SMART BUILDINGS  
15\_13\_87\_SEED SOWING USING ROBOTICS TECHNOLOGY  
15\_20\_ Flood Prediction and Prevention through Wireless Sensor Networking (WSN): A Survey  
15\_30\_Embedded\_Fuzzy\_ZigBee-Based Irrigation System for Home Gardens

14\_Automatic Corporate Farming Control Mechanism

14\_GSM based Automated Irrigation Control using Raingun Irrigation System

14\_Performance Optimization Of Poultry Farm By Using Instrumentation with help of Embedded Automation

54\_SMS BASED IRRIGATION SYSTEM

54\_A\_ SOLAR POWERED WATER PUMP WITH SMS ALERT FOR IRRIGATION SYSTEM

87\_SEEDING AGRICULTURE ROBOT

321\_Solar powered Irrigation with auto control of pump & SMS alert

## **POWER MANAGEMENT**

14\_30\_IEEE\_Smart Home Energy Management System Including Renewable Energy Based on ZigBee and Webservices

14\_IEEE\_Implementation of a Web of Things based Smart Grid to remotely monitor and control Renewable Energy Sources

14\_Solar Power Wireless Monitoring Based On Embedded System