IGEERKS TECHNOLOGIES
Software Training Division
Academic Projects for BE, ME, MCA, BCA and PHD Students

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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_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_IEE_IEOT 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 Wireles 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
15_11_GREENCHARGE: MANAGING RENEWABLE ENERGY IN SMART BUILDINGS
15_13_87_SEED SOWING USING ROBOTICS TECHNOLOGY
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