



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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Website: www.igeekstechnologies.com, www.makefinalyearproject.com

Land mark: Near to Mantri Mall, Malleswaram Bangalore

IEEE 2015

15_1_287_Hand Gesture Recognition Based Robot Using Accelerometer Sensor

15_2_343_A Review on Design of Automated Floor Cleaning System

15_3_446_The Elderly Independent Living in Smart Homes: A Characterization of Activities and Sensing Infrastructure Survey to Facilitate Services Development

15_4_A Zigbee-Based Animal Health Monitoring System

14_8_411_Design and Implementation of Client-Server based Remote Machine Control System using Web Services for Industrial Applications

14_22_369_SECURE MEDICAL TAGS FOR REDUCING MEDICAL ERRORS & DRUG INTERACTION WITH EHR SYSTEM

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_7_CONTROLLER AREA NETWORK BASED CRUISE CONTROL IN TRAFFIC SITUATIONS

15_8_CONTROL AREA NETWORK LIMITATIONS IN ECOCAR

15_9_DUAL MODE WIRELESS SENSOR NETWORK FOR REAL-TIME CONTACTLESS IN-DOOR HEALTH MONITORING

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_12_AN ENHANCED CRACK DETECTION SYSTEM FOR RAILWAY TRACK

15_12_RAILWAY TRACK CRACK DETECTION AUTONOMOUS VEHICLE

15_13_87_SEED SOWING USING ROBOTICS TECHNOLOGY

15_14_AN AUTOMATED SYSTEM FOR ACCIDENT DETECTION

14_21_A Reconfigurable Smart Sensor Interface for Industrial WSN in IoT Environment using web server

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_18_Women Anti-Rape Belt

15_19_ER-LOCK: NEXT GENERATION AUTO THEFT PREVENTION SYSTEM USING SMART GRAVITATIONAL LOCK VEHICLE TRACKING WITH GPS FENCING AND REMOTE FUEL CUT-OFF

15_20_Flood Prediction and Prevention through Wireless Sensor Networking (WSN): A Survey

15_21_IEEE_Matlab_Efficient Road Detection and Tracking for Unmanned Aerial Vehicle

15_22_RFID Based Vehicle Emissions in Cities on Internet

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.15_24_IEEE_IOT based Solution for Home Power Energy Monitoring and Actuating

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14_Application of RFID Technology and the Maximum Spanning Tree Algorithm for Solving Vehicle Emissions in Cities on Internet of Things

15_26_IEEE_Prototype Development of Monitoring System in Patient Infusion with Wireless Sensor Network

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

15_30_Embedded_Fuzzy_ZigBee-Based Irrigation System for Home Gardens

IoT - Wireless Sensor Network (Networking) (Web Services)

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Real Time Application

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Robotics

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14_38_46_Designing and Modeling of Voice Controlled Wheel Chair Incorporated with Home Automation

14_189_Robotic automated food service provider is hotel with android based individual menu

14_Smart Host Microcontroller for Optimal Battery Charging in a Solar Powered Robotic Vehicle & Cell Phone Charging

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15_22_ RFID Based Vehicle Emissions in Cities on Internet

39_FIRE SENSING ROBOT

43_REMOTE FIRING ROBOT

46_Speech based wheel chair control for physically challenged person using Android Bluetooth technology

62_FIRE SENSING ROBOT WITH RF AND ALARM

81_EARTHQUAKE DISASTER RESCUE ROBOT

106_PLANET ROVER

110_ Embedded LAND ROVER with Sensor Interface with ZigBee Technology

114_FLEX SENSOR USING ROBOT CONTROL

115_TOUCH SCREEN BASED ROBOT USING SPEECH

105_TOUCH SCREEN AND ARM BASED ROBOT MOTION CONTROL

159_FREE MOVING ROBOT WITH FRONT & BACK IR OBSTACLE DETECTOR

164_RADIO CONTROLLED COMBAT ROBOT

249_Automatic and intelligent car motion

313_Pam based robot motion & speed control with pick & place operation

287_Accelerometer & ARM based Robot motion & speed control with obstacle detection

291_Bomb detection robot

52_A_RF BASED PICK AND PLACE ROBOT

51_Metal Detecting Robot

52_PICK AND PLACE ROBOT

Biomedical

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14_26_Microcontroller Based Heart Beat Monitoring and Alerting System

14_35_Monitoring Human Knee Joint Movement using Wearable Computing

14_34_Any Time Medicine

14_A LOW-COST WIRELESS HEALTHCARE MONITORING SYSTEM

14_An Adaptable and Extensible Mobile Sensing Framework for Patient Monitoring

14_IEEE_Design and Implementation of Heart Rate Measurement Device Using Wireless System

14_GSM BASED HEALTH MONITORING SYSTEM

352_Speech Recognition Based Wireless Automation of Home Loads with Fault Identification for Physically Challenged

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

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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

Automobiles

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14_20_201_Integrated and Automated Vehicle Bay Arrangement System to Avoid Congestion in a Public Parking Area

14_An Approach towards Traffic Management System using Density Calculation and Emergency Vehicle Alert

14_Automatic Traffic Congestion Detection and Alert System

14_BUS POSITION MONITORING SYSTEM TO FACILITATE the passengers

383_Embedded Bluetooth Access for cars using the Face recognition, Cell phone and GSM

14_Design and Implementation of Vehicle Tracking System Using GPSGSMGPRS Technology and Smartphones Application

14_Embedded Based Vehicle Speed Control System using Wireless Technology

14_Emergency Traffic Management for Ambulance using Wireless Communication

14_IEEE_Design and Implementation of Vehicle Tracking System Using GPS GSM Technology

14_ROAD ACCIDENT PREVENTION UNIT (R.A.P.U)

14_RADAR Based Vehicle Collision Avoidance System used in Four Wheeler Automobile Segments

14_Intelligent Accident Detection And Ambulance Rescue System

14_Online Monitoring of Shuttle System and Bearing

14_Super-Lock Next Generation Auto Theft Prevention System using Smart Gravitational Lock

Security

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14_27_A Novel Security System using near Field Identification (NFID)

14_28_407_Fire Avoidance and Electric Circuit Breaker System in Train along with Alerting Approaching Station

14_18_Wirless Communication, Monitoring and Security System Embedded Safety Helmet for Real Time Applications

1_Invisible Eye – An advanced Security System Using Web Camera

14_36_A Very Simple User Access Control Technique through Smart Device Authentication using Bluetooth Communication

14_398_Intelligent Radio Frequency Identification Technology in Academic Management System

14_330_Innovative Graphical Passwords using Sequencing for industrial security system

14_ATM Transaction Security System Using Biometric Palm Print Recognition

14_Automated Air Baggage Security Enhancements with Biometric Recognition using Programmable Logic Controller

65_Laser based assert monitoring system

66_OFFLINE MONITORING OF ADVERTISEMENT HOARDINGS USING GSM AND GPS WITH LASER SECURITY SYSTEM

71_ZIGBEE BASED WIRELESS NETWORK USING ENCRYPTION AND DECRYPTION MESSAGE TRANSFER SYSTEM FOR MILITARY APPLIANCES

71_RF BASED WIRELESS ENCRYPTION AND DECRYPTION MESSAGE TRANSFER SYSTEM FOR MILITARY APPLIANCES

Electrical

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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 Microcontroler 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

CAN Protocol

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15_8_CONTROL AREA NETWORK LIMITATIONS IN ECOCAR
14_9_Vehicle Control Using CAN Protocol For Implementing the Intelligent Braking System
14_31_IEEE_Intra-Vehicle Networks A Review
14_32_ARM 7 Based Controller Area Network for Accident Avoidance in Automobiles
14_Design and development Of PIC microcontroller based vehicle monitoring system using

Controller Area Network (CAN) protocol

38_CAR AUTOMATION USING CAN NETWORK

320_CAN based data acquisition with voice operated bus stop indication using gps with traffic reducing technique

63_REMOTE MONITORING OF CAR ENGINE USING CAN AND ZIGBEE PROTOCOLS
AN APPLICATION OF WIRELESS DATA ACQUISITION

93_CAN BASED REMOTE CAR AUTOMATION

ARM Cortex or ARM7

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15_30_ Embedded_Fuzzy_ZigBee-Based Irrigation System for Home Gardens

14_24_ Intelligent accident identification and location display system using ARM

14_33_ ARM Cortex Microprocessor based Speech Controlled Wireless Smart Home Management System using Android with Security Alert

14_Design of ARM based Enhanced Event Data Recorder & Evidence Collecting System

55_ARM BASED SMART POWER GENERATION AND OPTIMIZATION

185_Head movement based wireless communication with speech alert for Paralyzed Person

319_Renewable energy - 12V DC Power generation using Back EMF & Solar for LED load

327_ARM based wireless meter reading system with overload, power theft detection and server based SMS alert

329_COIN BASED MOBILE CHARGER, WATER FILLING AND WEIGHT MEASUREMENT SYSTEM

331_SENSOR NETWORK BASES OILWELL HEALTH MONITORING AND INTELLIGENT CONTROL

337_Embedded Ethernet monitoring and controlling using web browser

348_PC Based Multiple Sensor Tester for Industrial Production

403_Android based Monitoring Human Joint Movement Using Wearable Computing

404_Central Locking Control using Android Application with Fuel Theft Voice Alert

366_MEMS Accelerometer sensors based semi-automated rash driving & traffic signal jump detection unit

Biometrics

14_417_Fingerprint Based Licensing System for Driving with Face Recognition system

111_BIOMETRIC SECURE E-VOTING SYSTEM FOR ELECTION PROCESSES (IEEE 2008)

245_SECURITY USING FINGERPRINT AND GSM AUTHENTICATION

252_ FINGERPRINT SCANNER BASED GLOBALISED VOTING SYSTEM

251_FINGER PRINT BASED AUTHENTICATION, ACCESS CONTROL, TIME, ATTENDANCE MANAGEMENT

246_A_ FINGER PRINT AUTHENTICATION FOR ONLINE EXAM

IEEE 2014

418_ (Server) How Long to Wait-Predicting Bus Arrival Time along with Electronic Pass System

421_Robotic Missile Detection and Automatic Destroy System using Laser Technology with Server based Control Unit

422_Application of RFID Technology and the Maximum Spanning Tree Algorithm for Solving Vehicle Emissions in Cities on Internet of Things

429_Substation Phase Controller for automatic load shedding with overload alert

430_DESIGN OF AN EMBEDDED SENSOR NETWORK FOR APPLICATION IN ENERGY MONITORING OF A SPORTS STADIUM

432_Web based Electronic Load to Test DC Power Supply to Generate Quality Test Report in Production Department

423_Airport Baggage Conveyor and Voice notification using Android Technology

424_Wireless Communication, Monitoring and Security System Embedded Safety Helmet for Real Time Applications

425_Vehicle Control Using CAN Protocol For Implementing the Intelligent Braking System

426_RFID based Hostel Security System with Intruder Detection

437_ AUTOMATIC BABY e-CRADLE FOR INFANT CARE

438_SMART GIRLS SECURITY SYSTEM

439_Fault Analysis and Electrical Protection of Distribution Transformers

443_Robust Railway Crack Detection Scheme (RRCDS) Using LED-LDR Assembly

444_Any Time Medicine

445_ GSM Based Power sharing of Transformer with Automatic load shedding system

446_Daily Life Tracking Application for Smart Homes using Android Smartphone

14_11_165_Intelligent Remotely Device Controlled System for Industrial Electrical Appliances through Zigbee Wireless Networks

14_12_Design of Wireless Framework for Energy Efficient Street Light Automation

14_13_418_IEEE_How Long to Wait-Predicting Bus Arrival Time With Mobile Phone Based Participatory Sensing

14_25_Highly Efficient and Intelligent Indoor and Outdoor Lighting System Using a ZigBee Network of Devices and Sensors

14_17_Wireless transmission and analysis of physical variations in the atmosphere using ZIGBEE

14_23_Implementation of GSM Based Water Meter A Step towards Automation in Billing System

14_29_To analyze hand gesture recognition for wirelessly electronic device control

14_33_ANDROID & BLUETOOTH BASED VOICE CONTROLLED WIRELESS SMART HOME SYSTEM

14_39_Missile Detection and Automatic Destroy System

14_A Sensor Based Anti-Poaching System in Tanzania National Parks

14_IEEE_208_Automatic User State Recognition for Hand Gesture Based Low-Cost Television Control System

14_Smart Gas Cylinder using Embedded System

14_SMART GIRLS SECURITY SYSTEM

14_Smart Sensor System for Agricultural Chronology

14_To analyze hand gesture recognition for wirelessly electronic device control

IEEE 2013

367_CHILD ACTIVITY RECOGNIZATION USING ACCELEROMETER AND RFID
READER

368_CENTRALIZED LPG CYLINDERS THEFT DETECTION SYSTEM WITH SECURITY
ALERTS

369_NFC-Enabled Smartphone Application for Drug Interaction and Drug Allergy Detection

371_HEALTH @ HOME – Remote monitoring of vital signs

372_ADVANCED SOFESTICAED TECHINQUES IN VEHICLES FOR PREVENTION OF
ACCIDENTS

373_ENERGY EFFICIENT LED LIGHTING SYSTEM FOR COMMERCIAL PURPOSE

375_Remote-Control System of High Efficiency and Intelligent Street Lighting Using a ZigBee
Network of Devices and Sensors

378_Hardware Demonstration of a Home energy management system for demand response
applications

382_Online Monitoring of Geological CO2 Storage and leakage based on wireless sensor
networks

386_AN OPTIMAL DRIVING SYSTEM BY USING WIRELESS HELMET and ANDROID

387_Safety helmet for a pilot

389_Use of Ultrasonic Signal Coding and PIR Sensors to Enhance the Sensing Reliability of an
Embedded Surveillance System

390_Embedded System Based Eye Movement Communicating Media for Paralyzed Person

391_Passenger BUS Alert System for Easy Navigation of Blind

392_Smart Device for Optimal Use of Stored Renewable power

393_Smart Host Microcontroller for Optimal Battery Charging in a Solar-Powered Robotic
Vehicle

396_Low Power Wireless Sensor Network for Building Monitoring

397_DESIGN AND DEVELOPMENT OF FALL DETECTOR USING FALL
ACCELERATION

400_Environment monitoring and device control using ARM based Embedded Controlled
Sensor Network

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

High Priority Projects

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14_330_Innovative Graphical Passwords using Sequencing for industrial security system

14_Automated Air Baggage Security Enhancements with Biometric Recognition using Programmable Logic Controller

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