

Projects are available for all branches of **ENGINEERING, DIPLOMA, MCA/BCA, and MSc/BSc.**

### **Doors of Technology**

- Embedded Systems
- Microcontrollers / ARM /PIC / AVR
- Wireless technologies
- Robotics
- Arduino
- GSM & GPS/ ZIGBEE
- MATLAB / VLSI
- IEEE projects on Java / Dot Net
- Java and Dot Net Application Projects
- Android Based Projects
- PHP
- C,C++

# **EMBEDDED PROJECTS**

## **ARM BASED PROJECTS**

1. PROGRAMMABLE LOGIC CONTROLLERS (PLC)USING ARM FOR INDUSTRIAL AUTOMATION WITH RS485.
2. REAL TIME DATA ACQUISITION SYSTEM USING ARM AND RTOS.
3. TEMPERATURE AND HUMIDITY CONTROL SYSTEM USING GRAPHICAL LCD AND ARM
4. IMPLEMENTING PERIPHERALS USING 32-BIT ARM MICROCONTROLLER
5. ARM AND RFID BASED SECURITY SYSTEM ( HOME , OFFICE OR INDUSTRIAL)
6. ARM BASED SMART POWER GENERATION AND MULTI PURPOSE OPTIMIZATION
7. INTERNET BASED HOME AUTOMATION SYSTEM USING ARM 7
8. ETHERNET CONTROLLER FOR HOME APPLIANCE USING INTERNET.
9. ARM BASED REMOTE TEMPERATURE CONTROLLER WITH ETHERNET.
10. DIGITAL RECEIPT SYSTEM (ARM+ETHERNET).
11. CHECK POINT ACESS CONTROL USING ARM+ETHERNET+RFID.
12. TALKING THERMOMETER FOR VISUALLY IMPAIRED.
13. ARM AND GLCD BASED MICRO CONTROLLER CLOCK.
14. ARM+ETHERNET CONTROLLED TEMPERATURE REGULATOR USED TO CONTROL THE DEVICE.

## **MICROCONTROLLER BASED PROJECTS**

1. INVISIBLE EYE
2. ALCOHOLIC BREATH ANALYSER AND TILT DETECTOR FOR VEHICLE SECURED IGNITION
3. KROTO FINDER
4. HIGH PROTECTION VOICE IDENTIFICATION BASED BANK LOCKER SECURITY SYSTEM WITH LIVE VIDEO TRANSMISSION
5. PAITENT MONITORING SYSTEM
6. MICROCONTROLLER BASED BANK LOCKER SECURITY SYSTEM WITH VOICE REPORTING
7. AIRCRAFT BLACKBOX WITH AUTO INFORMATION TO THE BASE STATION.
8. EFFICIENT POWER GENERATION AND MULTI PURPOSE OPTIMIZATION
9. ADVANCED RTO SURVAILLANCE SYSTEM
10. WIRELESS SENSOR NETWORKS – DENSITY BASED TRAFFIC CONTROLLER
11. WIRELESS COMMUNICATION BASED DIGITAL NOTICE BOARD USING GRAPHICAL LCD
12. AUTOMATED GREEN HOUSE STATUS MONITORING AND CONTROL SYSTEM
13. DEVELOPMENT OF WIRELESS SENSOR NETWAORK FOR HEALTH MONITORINGSYSTEM
14. CABLE TESTER FOR INDUSTRIES USING AVR
15. MEDIBLACK BOX
16. AUTO WIPER SPEED CONTROLLER ACCORDING TO RAIN FORCE
17. MICROCONTROLLER BASED AUTOMATED METRO TRAIN
18. A NOVEL OPTIMUM POINT TRACKER OF THE SOLAR CELL POWER SUPPLY SYSTEM
19. INDUSTRIAL AUTOMATION AND MONITORING SYSTEM (TEMPERATURE< VIBRATION< PRESSURE etc.)
20. ELECTRONUIC STICK FOR BLIND WITH PANIC BUTTON ALERT.
21. AUTOMATED AMBULANCE GATES AT AMBULANCE AND TRAFFIC SIGNALS.
22. MICROCONTROLLER BASED HOME OR INDUSTRIAL AUTOMATION.
23. INTELEGENT AGRICULTURE SYSTEM WITH WEATHER MONITORING
24. RFID BASED TRAIN IDENTIFICATION, DETECTION AND UNMANNED RAILWAY CROSSING SYSTEM
25. AN INTEGRATED NETWORK OF ROADSIDE SENSORS AND VEHICLES FOR DRIVING SAFETY: CONCEPT, DESIGN AND EXPERIMENTS
26. OUT-PATIENT TABLET TIME CARE SYSTEM WITH VOICE ANNOUNCEMENT
27. DENSITY BASED TRAFFIC LIGHT CONTROLLER
28. AUTOMATIC STREET LIGHT CONTROLLER WITH RTC

29. MICROCONTROLLER BASED SECURITY DOOR CONTROL SYSTEM FOR ATM WITH VOICE ANNOUNCEMENT
30. SMART PARKING SYSTEM
31. RESEARCH OF TRAFFIC SIGNAL LIGHT INTELLIGENT CONTROL SYSTEM BASED ON MICROCONTROLLER
32. DROWSINESS AND GASEOUS FUEL LEAK DETECTOR AND ALERTING SYSTEM
33. INTELLIGENT HIGHWAY POLICE PATROLLING SYSTEM WITH SPEED SENSORS AND CAMERA FOR THE VEHICLES WHICH VIOLATES SPEED LIMITS.
34. ALIVE HUMAN BEING DETECTOR IN WAR FIELDS, AFFECTED AREAS USING WAP WITH MODEL AND CAMERA-PIR (PASSIVE INFRARED SENSORS) FOR RESCUE OPERATIONS WITH COMMUNICATION
35. AUTOMATIC VEHICLE SPEED, HORN, AND BRAKE MANAGEMENT SYSTEM (WITH ANALYZER – OPTIONAL)
36. UTILIZATION OF SOLAR ENERGY WITH TRACKING THE SUN USING STEPPER MOTOR AUTOMATICALLY.
37. DESIGN & DEVELOPMENT OF SECURITY BASED VOTING SYSTEM FOR GOVERNMENT.
38. GAS LEAKAGE, THIEF AND FIRE DETECTOR & AUTO DIALING CONTROLLER SYSTEM.
39. INDUSTRIAL PROTECTION SYSTEM USING TEMPERATURE, SMOKE SENSORS AND LIGHT DEPENDENT RESISTOR
40. TOKEN NUMBER DISPLAY WITH VOICE IN SECURITY USING MICROCONTROLLER AT89C51.
41. ROOM LIGHT AND FAN CONTROLLER WITH VISITOR's COUNTER.
  
42. MICROCONTROLLER BASED AERONAUTICAL CRASH PREVENTION SYSTEM THROUGH RF COMMUNICATION
43. AUTOMATIC PLANT WATERING AND TANK LEVEL ALERTING SYSTEM.
44. BLACK BOX FOR VEHICLES/CAR – INTELLIGENT VEHICLE MONITORING SYSTEM.
45. AIRPORT AUTOMATION.
46. BELT CONVOYER WITH PICK AND PLACE AND DIGITAL.
47. COLD BLOOD BANK STORAGE MANAGEMENT SYSTEM.
48. DESIGNING A COMPLETE VEHICLE IMMOBILIZATION SYSTEM INTEGRATED WITH A PERSONALIZED ALERT MECHANISM.
49. PASSENGER PRE-PAID METRO CARD SYSTEM.
50. REMOTE CONTROLLED JACK FOR CARS.

## **IEEE TRANSACTIONS ON ROBOTICS**

1. PC CONTROLLED UNMANNED FIGHTER (WAR TANKER OR HELICOPTER)
2. KROTO FINDER
3. HAPTIC ROBOTIC ARM
4. QUAD HELICOPTER
5. PC BASED SMALL UNIT UNMANNED VEHICLE FOR TODAY'S ARMY
6. LINE FOLLOWING ROBOT WITH FORK LIFT
7. WALL PAINTING ROBOT
8. WHITE BOARD CLEANING ROBOT
9. INTELLIGENT COMPACT ROBOT FOR MILITARY OPERATIONS
10. OBJECT AVOIDING ROBOT USING ULTRASONIC SENSOR
11. AUTOMATIC VOICE PRONOUNCEMENT BASED ROBOT FIRE PSYCHOANALYTIC SYSTEM
12. CELL PHONE OPERATED LAND ROVER
13. LIGHT/LINE AND DTMF SIGNAL FOLLOWING INTELLIGENT ROBOT
14. AUTO GUIDED VEHICLE WITH MATERIAL HANDLING AND OBSTACLE DETECTION
15. CONTROLLING ROBOTIC ARM WITH ETHERNET
16. FLEX SENSOR OPERATED ROBOTIC ARM
17. STAIRCASE CLIMBING ROBOT
18. WALK AND TALK ROBOT
19. ROPE CLIMBING ROBOT WITH SURVEILLANCE CAPABILITY
20. LAND MINE DETECTING ROBOTIC VEHICLE
21. OBSTACLE AVOIDANCE ROBOTIC VEHICLE
22. EMBEDDED INTELLIGENT CAPABILITY OF A MODULAR ROBOTIC SYSTEM
23. FIRE EXTINGUISHING OR FIRE FIGHTING ROBOTIC VEHICLE WITH RF TECHNOLOGY
24. MULTIPLE INTERFACE SECURITY ROBOT
25. PIPE INSPECTION ROBOT
26. AUTOMATIC VOICE ANNOUNCEMENT BASED ROBOT FIRE ANALYSIS SYSTEM
27. LIVE HUMAN DETECTING ROBOT FOR EARTH QUAKE RESCUE OPERATION
28. WHEEL CHAIR FOR DISABLED PERSON USING ROBOT
29. IVRS SYSTEM BASED MOBILE CONTROLLING ROBOT
30. SPY ROBOT WITH BOMB DETECTION AND IMAGE MONITORING
31. INDUSTRIAL HAZARDOUS GAS LEAKAGE DETECTION AND INFORMATION SYSTEM USING INTELLIGENT ROBOT.
32. 3 - AXIS CONTROLLED ROBOT

33. IMAGE / VIDEO CAPTURING AND PC TELECASTING ROBOT
34. SOLAR OPERATED ROBOT
35. DESIGN AND DEVELOPMENT OF OBSTACLE SENSING AND OBJECT GUIDING ROBOT
36. ROBOTIC ARM CONTROL THROUGH INTERNET OR LAN FOR PATIENT SURGERY
37. INTELLIGENT LINE FOLLOWER ROBOT FOR INDUSTRIAL PURPOSE
38. ROBOTIC PICK AND PLACE WITH DIGITAL COUNTER
39. BLUE TOOTH CONTROLLED ROBOT
40. ROBOTIC ARM CONTROL THROUGH INTERNET/LAN FOR PATIENT OPERATION WITH ONE OPERATING TOOL.

### **IEEE TRANSACTIONS ON GSM**

1. GSM BASED HEALTH CARE SYSTEM WITH HEART BEAT, GLUCOSE, TEMPERATURE MONITORING.
2. GSM BASED SECURITY SYSTEM WITH GAS LEAKAGE IDENTIFICATION AND THEFT CONTROLLING
3. GREEN HOUSE MONITORING SYSTEM.
4. GSM BASED WIRELESS NOTICE BOARD
5. MEDIBLACK BOX.
6. SMS BASED DEVICE CONTROL USING GSM MODEM (LIGHT, FAN,MOTOR etc...)
7. GAPS VEHICLE THEFT IDENTIFICATION AND TRACKING AND CONTROL SYSTEM
8. GSM BASED WIRELESS HOME APPLIANCES MONITORING & CONTROL SYSTEM (LIGHT, FAN,MOTOR etc...)
9. HIGHWAY VEHICLE TRAFFIC MONITOR USING GSM
10. HOME SECURITY SYSTEM WITH AUTO DIALING (MISSED CALL OR SMS ALERT USING GSM MODEM)
11. AUTOMATED GSM BASED ELECTRICITY BILLING AND CUT OFF SYSTEM.
12. DATA TRANSFER FOR ADVERTISEMENT DISPLAY OR NOTICE BOARD USING GSM.
13. MULTI PURPOSE SECURITY SYSTEM USING GSM
14. INTELLIGENT RF SECURITY SYSTEM FOR BANKS WITH GSM MODEM & SENSORS.
15. REMOTE BILLING OF ENERGY METER OR WATER METER USING GSM MODEM
16. TRACKING GOT-STAMP PAPER AND AUTOMATION USING GSM MODEM
17. REAL ECG MACHINE FOR DOCTORS WITH DATA TRANSMISSION THROUGH GSM MODEM
18. DATA ACQUISITION SYSTEM WITH GSM MODEM.
19. SMS BASED WEATHER REPORTING.

20. GSM BASED BORDER SECURITY SYSTEM
21. GSM BASED COMPLETE IRRIGATION SOLUTION.
22. RAILWAY SECURITY MANAGEMENT SYSTEM (BRIDGE VIBRATION DETECTION) BASED ON GSM.
23. INDUSTRIAL MONITOR THROUGH GSM NETWORKS
24. SHORT MESSAGING SYSTEM BASED VOTING SYSTEM USING GSM

**IEEE BASED PROJECT TITLE**

1. ENHANCING MINE SAFETY WITH WIRELESS SENSOR NETWORKS USING ZIGBEE TECHNOLOGY
2. PUBLIC TRANSPORT TICKETING AND MONITORING SYSTEM
3. INTELLIGENT CARS USING RFID TECHNOLOGY
4. GSM BASED RFID APPROACH TO AUTOMATIC STREET LIGHTING SYSTEM
5. VEHICLE NAVIGATION AND OBSTACLE DETECTION SYSTEM USING RFID AND GSM
6. WIRELESS MONITORING OF THE GREEN HOUSE SYSTEM USING EMBEDDED CONTROLLERS
7. ZIGBEE AND GSM BASED SECURE VEHICLE PARKING MANAGEMENT AND RESERVATION SYSTEM
8. PROTOTYPE OF WATER LEVEL DETECTION SYSTEM WITH WIRELESS
9. IMPLEMENTATION OF GPS FOR LOCATION TRACKING
10. DESIGN OF AUTO-GUARD SYSTEM BASED ON RFID AND NETWORK
11. DESIGN OF LANDSLIDE WARNING SYSTEM
12. IMPLEMENTATION OF SELF DIAGNOSTIC AND INTELLIGENT POWER MANAGEMENT PROTOCOLS ON WIRELESS GAS SENSOR NODE
13. IMPLEMENTATION OF CAN BUS IN AN AUTONOMOUS ALL TERRAIN VEHICLE DESIGN OF VEHICLE POSITIONING SYSTEM BASED ON ARM
14. DESIGN OF VEHICLE POSITIONING SYSTEM BASED ON ARM
15. SIMULATION OF EARTHQUAKES AND TSUNAMI THROUGH GSM NETWORK
16. GPS BASED VOICE ALERT SYSTEM FOR THE BLIND
17. SECURED WIRELESS COMMUNICATION FOR INDUSTRIAL AUTOMATION AND CONTROL
18. DESIGN AND IMPLEMENTATION OF PYROELECTRIC INFRARED SENSOR BASED SECURITY SYSTEM USING MICROCONTROLLER
19. DESIGN OF AN INTELLIGENT COMBAT ROBOT FOR WAR FIELDS

20. ZIGBEE BASED INDUSTRIAL AUTOMATION PROFILE FOR POWER MONITORING SYSTEMS
21. PIC BASED CUSTOMIZABLE WIRELESS SENSOR NODE TO DETECT HAZARDOUS GAS PIPELINE LEAKAGE
22. DESIGN AND DEVELOPMENT OF MICROCONTROLLER BASED ELECTRONIC QUEUE CONTROL SYSTEMS
23. A MICROCONTROLLER-BASED MULTI-FUNCTION SOLAR TRACKING SYSTEM
24. INTELLIGENT WATER DISPENSER SYSTEM BASED ON EMBEDDED SYSTEMS
25. A MICROCONTROLLER-BASED IR RANGE FINDER SYSTEM WITH DYNAMIC RANGE ENHANCEMENT
26. MONITORING OF BIOMEDICAL SIGNALS USING A MICROCONTROLLER AND A GRAPHIC LCD
27. WIRELESS MEASUREMENT SYSTEM BASED ON ZIGBEE TRANSMISSION TECHNOLOGY
28. MICROCONTROLLER-BASED TWO-AXIS SOLAR TRACKING SYSTEM
29. DESIGN OF INTELLIGENT MOBILE VEHICLE CHECKING SYSTEM BASED ON ARM7
30. WIRELESS VEHICULAR ACCIDENT DETECTION AND REPORTING SYSTEM
31. ADDING NEW FUNCTIONS TO THE REMOTE AIRFIELD LIGHTING SYSTEM
32. AN INTELLIGENT SMS-BASED REMOTE WATER METERING SYSTEM
33. AUTOMATIC METER READING MONITORING SYSTEM BASED ON GSM MODULE
34. DESIGN OF INTELLIGENT TRAFFIC LIGHT CONTROLLER USING EMBEDDED SYSTEMS

### **WIRELESS BASED PROJECTS**

1. VEHICLE ACCIDENT PREVENTION USING EYE BLINK SENSOR USING WIRELESS COMMUNICATION
2. WIRELESS COMMUNICATION FOR FIRE DETECTION SYSTEMS IN COMMERCIAL AREAS INDUSTRIAL AND HOME
3. INVOLUNTARY STATION NAME DISPLAY WITH VOICE ATTENTIVE SYSTEM FOR TRAIN
4. WIRELESS ELECTRONIC VOTING MACHINE
5. ADVANCED AUTOIMATIC INTELLIGENT TRAIN ENGINE SYSTEM
6. INDUSTRIAL SECURED TIDY SMOKE DETECTION AND ALARM SYSTEM THROUGH WIRELESS
7. WIRELESS TSUNAMI WARNING ALARM FOR PEOPLE SECURITY
8. AUTOMATIC VEHICLE OVER SPEED CONTROLLING SYSTEM FOR SCHOOL ZONE AND HORN CONTROLLER FOR HOSPITAL ZONE.
9. AUTOMATED RAILWAY GATE LEVEL CROSSING SCRUTINIZE AND CONTROL SYSTEM

10. WIRELESS BUS STOP INFORMATION PROVIDER SYSTEM FOR PASSENGERS AND STATION ANNOUNCEMENTS.
11. FACILITATE TRAFFIC SIGNAL IDENTIFICATION FOR BLIND PEOPLE

### **CELL PHONE BASED PROJECTS**

1. DTMF TELEPHONE REMOTE CONTROL.
2. HOME AUTOMATION & CONTROL SYSTEM USING DTMF
3. MOTOR SPEED, LIGHT CONTROLLER USING CELLULAR PHONE
4. MOBILE TO PC INTERFACE FOR CONTROLLING OF DEVICES USING DTMF TECHNOLOGY
5. CELL PHONE TO CELL PHONE APPLIANCE CONTROL SYSTEM
6. REMOTE ACCESS CONTROL AND AUTOMATION SYSTEM FOR ELECTRONIC APPLIANCES USING DTMF TELEPHONE LINE
7. CELL PHONE BASED ROBOT DETECTION CONTROL
8. WIRELESS CONTROL OF APPLIANCES & DEVICES BY MOBILE PHONE USING DTMF TECHNOLOGY
9. SECURITY AND AUTO DIALING SYSTEM
10. CELL PHONE BASED DEVICE CONTROL WITH VOICE ACKNOWLEDGEMENT

### **SMART CARD/ RFID BASED PROJECTS**

1. RFID BASED TRAIN IDENTIFICATION AND RAILWAY CROSSING SYSTEM
2. AUTOMATIC ACCIDENT IDENTIFICATION, DETECTION VIA VIBRATION SENSORS USING RF TECHNOLOGY
3. RFID BASED FILE TRACING SYSTEM FOR BIG GOVERNMENT ORGANIZATIONS.
4. RFID BASED ATTENDANCE CARD SYSTEM
5. LUGGAGE TRACKING SYSTEM USING RFID
6. AUTOMATED AND UNMANNED VEHICLE TOLL COLLECTION / PARKING SYSTEM USING RFID TECHNOLOGY
7. RFID BASED HUMAN / VEHICLE DETECTION AND MONITORING SYSTEM
8. RFID BASED VEHICLE IDENTIFICATION AND SPEED MEASUREMENT
9. PC BASED DOOR ACCESS AND ATTENDANCE LOGGER USING RFID
10. ROUTING, GUIDING, OBSTACLE DETECTING AND CONTROLLING OF VEHICLE USING ACTIVE RFID TECHNOLOGY
11. RFID BASED EMPLOYEE DATABASE MANAGEMENT USING RTC
12. RFID BASED BLIND MAN STICK



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13. RFID BASED EVENT TRACKING SYSTEM FOR SPORTS
  14. STUDENT ATTENDANCE SYSTEM USING RFID TECHNOLOGY & VB.NET
  15. PREPAID ENERGY METER USING RFID.
  16. PREPAID CARD FOR BROWSING CENTER USING RFID.
  17. PREPAID CARD FOR PETROL BUNK.
  18. AUTOMATIC CAR PARKING SYSTEM.
  19. DOOR OPENING AND CLOSING SYSTEM WITH SECURITY USING RFID.
  20. VOTER CREDENTIALS AND AUTHENTICATION SYSTEM USING RFID TECHNOLOGY
  21. THEFT IDENTIFICATION SYSTEM FOR SUPERMARKETS USING RFID
  22. METRO TRAIN (TICKET ANALYZER)

### **BIO-METRIC / BIO-MEDICAL BASED PROJECTS**

1. FINGER PRINT PREDICTION ENABLED PASSPORT AUTHENTICATION SYSTEM
2. INVOLUNTARY,BIOMETRIC DOOR ACCESS CONTROL AND ATTENDANCE MAINTENANCE SYSTEM
3. HIGH PROTECTION SECURITY SYSTEM WITH BIOMETRIC AND VIDEO TRANSMISSION
4. BIO METRIC RECOGNITION SYSTEM BASED DIGITAL VOTING MACHINE
5. ELECTRONIC LIBRARY MANAGEMENT SYSTEM USING FINGER PRINT SENSOR
6. PATIENT MEDICAL INFORMATION SYSTEM USING FINGER PRINT
7. FINGER PRINT PREDICTION ENABLED PASSPORT AUTHENTICATION SYSTEM
8. INVOLUNTARY,BIOMETRIC DOOR ACCESS CONTROL AND ATTENDANCE MAINTENANCE SYSTEM
9. IVRS BASED AUTOMATIC TELLER MACHINE TRANSACTION SYSTEM WITH THE HELP OF RFID TECHNOLOGY FOR BLIND PEOPLE WITH BIOMETRIC AUTHENTICATION \*\*
10. HIGH PROTECTION ATM SYSTEM WITH FINGER PRINT IDENTIFICATION TECHNOLOGY WITH IMAGE RECORD AND GSM
11. MEMS BASED PC COMMANDS USING HAND SIGNALS
12. REALTIME IMPLWMTATION OF BIOPAD FINGER PRINT ATTENDANCE MONITOR.

### **CAN PROTOCOL BASED PROJECTS**

1. CAN BASED REAL TIME IMPLEMENTATION IN AUTOMOBILE APPLICATION
2. CAN CONTROLLED SERVO METER (INDUSTRIAL MOTOR)WITH CONTACTLESS PROXIMITY SENSOR.
3. INDUSTRIAL AUTOMATION USING CAN NETWORK.

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4. IMPLEMENTATION OF AIR BAG SENSOR USING CAN PROTOCOL WITH GSM TECHNOLOGY
  5. IMPLEMENTATION OF A CAN BASED DIGITAL DRIVING SYSTEM FOR A VEHICLE
  6. COMPLETE HOME AUTOMATION USING CAN PROTOCOL.

### **GPS BASED PROJECTS**

1. OFFLINE MONITORING OF ADVERTISEMENT WORDINGS USING GSM AND GPS WITH LASER SECURITY SYSTEM
2. GPS MAP USING REAL GPS RECEIVER WITH LICENSE FOR DEFENSE
3. SOLDIER TRACKING SYSTEM USING GPS AND GSM MODEM
4. GSM BASED ON LINE TOLL FEE PAYMENT SYSTEM
5. ON LINE VEHICLE ACCIDENT REPORTER (GSM AND GPS)
6. GPS BASED STATION ANNOUNCEMENT SYSTEM FOR RAILWAY NETWORKS GPS BASED ON-LINE VEHICLE TRACKING SYSTEM
7. ANTI-COLLISION SYSTEM IN RAILWAY USING GSM AND GPS
8. WEB BASED VEHICLE REMOTE CONTROL USING GSM/GPRS I.E..VERY ADVANCED SYSTEM FOR DEVELOPMENT USING MICRO CONTROLLER AND GPRS TECHNOLOGY.
9. ACCIDENT IDENTIFICATION USING GPS AND SEND SMS THROUGH GSM TO A MOBILE
10. LIVE HUMAN DETECTION AND TRACKING USING GPS AND SEND SMS THROUGH GSM TO A MOBILE

### **MICROCONTROLLER BASED ELECTRICAL**

1. TRANSMISSION LINE MULTIPLE FAULTS DETECTION AND INDICATION TO ELECTRICITY BOARD
2. IMPLEMENTATION OF SOLAR CELL TRACING SYSTEM FOR THE MAXIMUM UTILIZATION OF SOLAR POWER AND ILLUMINATION
3. ELECTRICAL SUBSTATION SCRUTINIZING AND CONTROLLING DEVICE FROM REMOTE AREA
4. WIRELESS POWER TRANSMISSION
5. BELT CONVEYOR SYSTEM WITH PICK AND PLACE AND DIGITAL COUNTER
6. DC MOTOR SPEED CONTROL USING BLUETOOTH
7. ANDROID MEETS LED BULBS IN SMART-HOME AUTOMATION.
8. TRANSFORMER INDUSTRIAL PARAMETERS MANAGEMENT CONTROL SYSTEM AND INTIMATION TO ELECTRICITY BOARD
9. AUTOMATIC ENERGY CALCULATION AND BILLING SYSTEM TO EB

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10. REALIZATION OF PREPAID BILL MANAGEMENT SYSTEM FOR ELECTRICITY BOARD
11. VOICE OPERATED INDUCTION MOTOR SPEED CONTROL THROUGH RF COMMUNICATION
12. ONLINE SPEED CONTROL OF DC MOTOR WITH HIGH SPEED NETWORK
13. MICROCONTROLLER BASED MEASUREMENT OF CURRENT, VOLTAGE, POWER FACTOR AND TEMPERATURE FOR INDUSTRIAL APPLICATIONS
14. TALKING ENERGY METER
15. INVOLUNTARY TEMPERATURE LEVEL SCRUTINIZING AND CONTROLLING SYSTEM FOR INDUSTRIAL BOILER
16. DIGITAL ENERGY METER WITH SERIAL INTERFACE FOR INDUSTRIES
17. MICRO CONTROLLER BASED INTELLIGENT MULTI TIMER SYSTEM FOR INDUSTRIAL AUTOMATION.
18. ENERGY SCRUTINING SYSTEM WITH AUTO LOAD
19. SMART CARD BASED PREPAID ELECTRICITY BILLING
20. ENERGY-SAVER (ANTI-SWEAT HEATER) SWITCH FOR REFRIGERATOR
21. AUTO DIGITAL-SPEED INDICATOR WITH SPEED CONTROL
22. DC MOTOR SPEED CONTROLLING USING BLUETOOTH
23. AN I2C NETWORK PROTOCOL FOR ENVIRONMENTAL MONITORING
24. BIDIRECTIONAL OPEN LOOP STEPPER MOTOR SPEED CONTROL BY USING PIC MICROCONTROLLER
25. LOW COST PRECISION DIGITAL ENERGY METER AND COST INDICATOR
26. AUTOMATIC DC MOTOR SPEED CONTROL WITH AUTOMATIC FEEDBACK VIA SMS USING PWM TECHNOLOGY
27. GSM AND PIR SENSOR BASED LIGHT CONTROLLER AND NETWORKED SAFETY SYSTEM.
28. ELECTRIC FIELD AND ULTRASONIC SENSOR BASED SECURITY SYSTEM
29. MOBILE CONTROLLED DC MOTOR SPEED CONTROLLER.
30. PRE PAID POWER ENERGY METER.
31. REAL TIME LOAD SHEDDING FOR POWER LINES.
32. A NOVEL OPTIMUM POINT TRACKER OF THE SOLAR CELL POWER SYPPLY SYSTEM.

### **ANDROID BASED PROJECTS**

1. ANDROID BASED WIRELESS CONTROL SYSTEM
2. ANDROID BASED PICK AND PLACE ROBOT.
3. ANDROID BASED INTELLIGENT COMBAT ROBOT.

4. ANDROID BASED HOME AUTOMATION AND TRAVERSAL SYSTEM FOR PHYSICALLY DISABLED
5. ANDROID OPERATED VEHICLE
6. ANDROID OPERATED WHEELCHAIR
7. ANDROID BASED KROTO FINDER

### **ZIGBEE BASED PROJECTS**

1. REMOTE MONITORING OF CAR ENGINE USING CAN AND ZIGBEE PROTOCOLS
2. KROTO FINDER
3. SOLAR POWER - ZIGBEE BASED WATER PUMP CONTROL FOR FARMERS WITH SECURITY
4. ZIGBEE BASED INTELLIGENT RF SECURITY SYSTEM FOR CARS WITH LCD
5. ROBOTIC ARM BASED VEHICLE WITH FOUR WHEEL DRIVE FOR SPECIFIC OPERATION WITH VARIABLE SPEED CONTROL, CONTROLLING THE ROBOTIC ARM AND THE VEHICLE THROUGH ZIGBEE.
6. REMOTE-CONTROLLABLE AND ENERGY-SAVING ROOM ARCHITECTURE BASED ON ZIGBEE COMMUNICATION
7. ZIGBEE DEVICE ACCESS CONTROL & RELIABLE DATA TRANSMISSION IN ZIGBEE BASED HEALTH MONITORING SYSTEM
8. REMOTE POWER ON/OFF CONTROL & CURRENT MEASUREMENT FOR HOME ELECTRIC OUTLETS BASED ON A LOW POWER EMBEDDED BOARD & ZIGBEE COMMUNICATION
9. DEVELOPMENT OF AUTOMATED TOLLING SYSTEM FOR VEHICLE.

### **TOUCH SENSE**

8. TOUCH SCREEN BASED WIRELESS CONTROL SYSTEM
9. TOUCH SCREEN BASED PICK AND PLACE ROBOT.
10. TOUCH SCREEN BASED INTELLIGENT COMBAT ROBOT.
11. TOUCH SCREEN BASED HOME AUTOMATION AND TRAVERSAL SYSTEM FOR PHYSICALLY DISABLED
12. TENS- TINY ELECTRONIC SHOCK MACHINE FOR PATIENT USING CAP SENSE
13. TRANSCUTANEOUS ELECTRICAL NERVE STIMULATOR
14. TOUCH PAD CONTROLLED WHEELCHAIR USING CAPSENSE TO SOLVE REAL WORLD PROBLEMS BY DISABLES
15. CAP SENSE BASED WIRELESS ROBOTIC CONTROL.

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16. MULTICHANNEL LED DIMMER WITH CAPSENSE CONTROL
  17. INVISIBLE SENSITIVITY BASED SECURED PASSWORD PROTECTION FOR BANK
  18. WIRELESS TOUCHPAD REMOTE CONTROL FOR INDUSTRIAL DEVICE CONTROL

### **MATLAB BASED PROJECTS**

1. A STUDY ON EDGE DETECTION TECHNIQUES FOR NATURAL IMAGE SEGMENTATION
2. INDIAN NUMBER PLATE DETECTION
3. MOVING OBJECT DETECTION BY DETECTING CONTIGUOUS OUTLIERS IN THE LOW-RANK REPRESENTATION
4. CHARACTER AND OBJECT RECOGNITION BASED ON GLOBAL FEATURE EXTRACTION
5. AN IMPROVED IMAGE COMPRESSION ALGORITHM BASED ON EMBEDDED ZEROTREE WAVELETS TRANSFORM
6. ROBUST HUMAN MOTION DETECTION AND TRACKING IN DYNAMIC BACKGROUND
7. A TRANSMIT DIVERSITY TECHNIQUE FOR WIRELESS COMMUNICATION
8. AUTOMATIC VEHICLE IDENTIFICATION BYNUMBER PLATE RECOGNITION.
9. FACE RECOGNITION BASED ON EDGE DETECTION ALGORITHM WITH HARDWARE INTERFACING
10. FINGERPRINT RECOGNITION AND MATCHING WITH DISPLAY
11. IRIS RECOGNITION SYSTEM USING PRINCIPAL COMPONENT ANALYSIS(PCA)
12. SIGNATURE VERIFICATION BASED ON GLOBAL FEATURES
13. VOICE COMMAND RECOGNITION SYSTEM BASED ON MFCC AND DTW

### **VLSI BASED PROJECTS**

1. SPI IMPLEMENTATION ON FPGA
2. STRUCTURAL-VHDL-IMPLEMENTATION-OF-WALLACE-MULTIPLIER
3. A SIMPLE CLOSED LOOP DC MOTOR SPEED CONTROL SYSTEM ON FPGA PLATFORM FOR VHDL BEGINNER
4. VHDL-IMPLEMENTATION-OF-INTERVAL-ARITHMETIC-ALGORITHMS-FOR-SINGLE-PRECISION-FLOATING-POINT-NUMBERS

**FOR MORE PROJECT TITLES LOG ON TO**