IMMENSE ENGINEERING

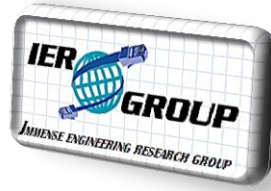## We also Provide Project Solution on Suggested Topic

- **Projects(BE / Diploma)(Mini/Major Projects)**
  - 8051 Microcontroller Based Projects
  - PIC Controller Based Projects
  - ARDUINO Controller Based Project
  - IEEE Projects
  - Project Solution on Suggested Topic

- **Gesture vocalizer for dumb people interaction (ARDUINO UNO)**

- **Wireless Animatronic hand (ARDUINO UNO)**

- **Wireless Animatronic Arm (ARDUINO UNO)**

- **Temperature and Humidity Controller for Infant Incubator (AT89S52)**

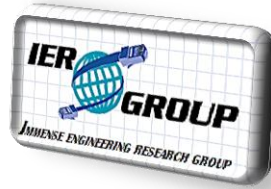- **Water and Air Temperatures and Humidity Controller for Industries (AT89S52)**

- Toll plaza system based on vehicle category interface with 8051 microcontroller (AT89C51)

- RFID based Secured access system using 8051 microcontroller (AT89C51)

- Toll plaza system using low frequency RFID (AT89C51)

- Liquid/Water Level Indicator with Alarm with LCD display (AT89C51)

- Electronic Voting Machine using Internal EEPROM (AVR)

- Bluetooth controlled Robot (AT89C51/PIC/Atiny)

- Bluetooth controlled robot using Android mobile (AT89C51)

- Home Appliances Controlling using Android Mobile via Bluetooth

- RFID Based Attendance Management System

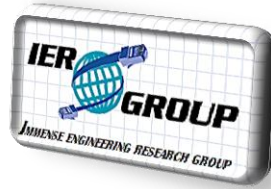- RFID Based Highway Toll Tax Collection System

- Vehicle Accident Detection with GPS and GSM modem

- Condition Monitoring of Power Transformers

- Location finder unit for ice climbers team using GPS technology

- GSM based industrial fault monitoring detection system

- Speed checker and over speed detection for Highways

- GSM based Power Transformer Parameter fault detection System

- GSM based Greenhouse Environment Monitoring and Controlling

- Industrial Automation Using Cellphone

- Liquid Level Computing and Storage Device

- RFID Based Security System

- GSM based Industrial Automation

- Automatic Room Light Controller & Visitor Counter

- Password Based Door Locking

- Person counter and Password detector

- Mobile Controlled Robot

- Microcontroller based Electronic voting machine

- Temperature controlled Fan speed

- Land rover Robot Operated by Cellphone

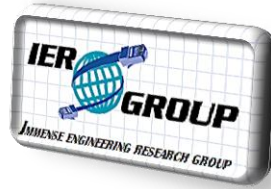- Alcohol detection with vehicle controlling

- Microcontroller based Data Logger

- Digital weather station-Data storage

- Public Garden Automation

- Automatic Car Parking Indicator System

- Home Security System

- Monitor and Control of Greenhouse Environment

- Temperature & Light monitoring and controlling

- Time Operated Electrical Appliances Controlling System

- Intelligent Helmet for Coal Miners

- Solar Panel Tracking System

- Greenhouse environment controlling Robot

- Patient Monitoring through GSM modem

- SMS based Weather report information system

- Remote Surveillance Vehicle

- 3 Axis Pick and Place Robot

- Toxic Gas Detection using GSM technology

- GSM based Home Security System

- Soldier Tracking System using GPS and GSM Modem

- Vehicle Tracking System using GPS and GSM modem

- Vehicle Accident Detection with GPS and GSM modem

- GSM Notice Board

- Sound level detection for silense zone

- Power Transformer Parameter fault detection

- RFID based Paid Car Parking System

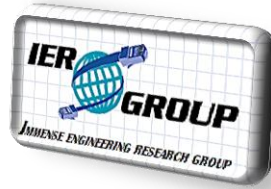- RFID based Animal Identification System

- Engine fault Detect
- RFID based Passport Details information system
- Ultrasonic distance meter using 8051
- Intelligent temperature control system using DS1820 and 8051
- Electronic Lock using Mobile phone
- Zigbee based wireless weather monitoring system
- Ultrasonic Distance meter using 8051 microcontroller
- Zigbee based DC motor Control from PC
- RF based Device Controlling through PC
- Fingerprint Based Security System using R305
- RF based Automatic meter reading
- Car over speed alert using GPS
- Device control through Bluetooth using Android OS Mobile Phones
- RFID based Device control and authentication using 8051
- Temperature and Humidity Controller for Infant Incubator
- RF based Remote control robot
- Temperature controller using DS1820 and LCD display
- Zigbee based home automation system
- Search and Rescue Robot
- Vehicle Tracking System using GPS and GSM modem
- GSM based Automatic Meter Reading (AMR)
- Fingerprint based attendance system
- Automatic window blinds (curtains) controller using LDR
- 4 channel Data Logger [Temp, LDR, Humidity & Soil moisture]
- Line Follower Robot

- Android Controlled Robot using 8051 Microcontroller

- Multi control Robot - Control by GSM, Remote or Acclerometer

- Time Controlled Solar Tracking System

- 8051 based Inverter/UPS with inbuilt Charging system

- Automatic Room light Controller with Visitor Counter –

- Football/Soccer Substitution Board

- Door lock system using seven segment display

- Single Phase AC Motor Speed Controller

- In-House Green House

- Microcontroller Based Home Security System

- Home Automation Over Internet

- Propeller Display using AT89C2051

- GreenBeeV2

- Autonomous Security Guard Robot

- Monitor and Control of Greenhouse Environment-GreenBee

- Simple Digital Voltmeter using 8051

- Digital Lock Using AT89C2051 with LCD and Keypad

- Electronic Voting machine with Managed Control Unit

- BASCOM-8051 Project : Multi counter Project using AT89C2051

- 8051 Controller Area Network Project over RS485 protocol

- Control your PC with TV remote

- IR Remote Switch using TV remote (RC5 Protocol)

- Digital Code lock with LCD and Keypad using AT89C2051

- Traffic Light Controller project

- SMS based Device Switching
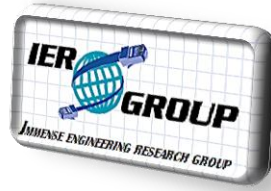
- Secured Wireless Data Communication

- Two Line Intercom

- Traffic Light Controller

- Time Operated Electrical Appliance Controlling System

- Temperature controlled Fan

- SMS through Telephone

- Parallel Telephone with auto secrecy (AT89C2051)

- PC Based Robot (AT89C2051)

- Prepaid Energy Meter (AT89S52)

- RF Based Remote control (AT89C2051)

- RFID Based Attendance System (AT89S52 + RFID)

- Contactless Digital Tachometer using PIC microcontroller

MINI

- DS1302 based Digital Clock with Calendar
- Scrolling Dot Matrix LED Display using 8051
- Musical Tone Library for 8051
- Scrolling Dot Matrix LED Display using 8051
- Digital Clock with Alarm Using DS1307 and 8051
- Simple Digital Countdown Timer using 7-seg Display
- C51 Snakes - A Nokia inspired game built on 8051
- Frequency Counter using AT89C2051 and LCD
- Data acquisition system using 8051
- Microcontroller Based Caller ID (AT89C2051)
- Microcontroller Based Digital code Lock (AT89C2051)
- Multi pattern Running Lights (AT89C2051)
- PC BASED DATA LOGGER (AT89S52 + VB)
- PIC Basic Project: Graphical temperature recorder (16F628 + LCD Nokia 3310 + DS18B20)
- PICBASIC - Simon A musical Game Project
- Simple Combination lock Project with keypad and LCD
- Data acquisition system using 8051
- Automatic Bell for College
- Digital Visitor Counter
- Rolling display using Matrix LEDs
- AVR based Digital oscilloscope with a large LCD
- Chess game using AVR and touch screen LCD
- PICBASIC - Poor Man's Scope
- PIC Industrial and Domestic Timer (Relay Controller)