

8051 Microcontroller Projects

We provide latest 8051 microcontroller projects for students, engineers and researchers. Get 8051 microcontroller projects with source code for your learning and research. We have the largest variety of 8051 based projects for learning and guidance. Our list of innovative 8051 projects list is a compilation of 8051 based projects that are built to fulfill various industrial as well as domestic applications and automate various manual tasks. Our 8051 based self-learning kits include all system details with circuit diagram explanation and source code development explanation along with tutorials of how the entire project kit is built for your understanding of the system development.

- AC Power Controller with Programmable Interface
- AC Power Strength Controller System
- Accurate Room Temperature Controller Project
- Advanced Military Spying & Bomb Disposal Robot
- Android Antenna Positioning System
- Android Circuit Breaker
- Android Controlled Automobile
- Android Controlled Based Spy Robot with Night Vision Camera
- Android Controlled Based Spy Robot with Night Vision Camera
- Android Controlled Fire Fighter Robot
- Android Controlled Fire Fighter Robot
- Android Controlled Induction Motor with 7 segment display
- Android Controlled Notice Board Project
- Android Controlled Pick and Place Robotic Arm Vehicle Project
- Android Controlled Pick and Place Robotic Arm Vehicle Project
- Android Controlled Railway Level Gate Control
- Android Controlled Remote AC Power Control
- Android Controlled Remote Password Security
- Android Controlled Robotic Arm
- Android Controlled Wildlife Observation Robot
- Android Military Spying & Bomb Disposal Robot

- Android Password Based Remote Door Opener System Project
- Attendance System Based On RFID Project
- Automated Elevator with Overload Alert
- Automatic Light Intensity Controller by External Light Sensing
- Automating Homes Using RF
- Car Over Speeding Detection Project
- Circuit Breaker Based On Password
- Closed Loop DC Motor Control to Run It at Exact Speed
- Configurable Password Security System
- Controlling Induction Motor Power Through Thyristor
- Controlling Pc by TV Remote as Mouse
- Controlling Pc by TV Remote as Mouse
- Controlling Solar Energy Charge
- Cycle Switching Without Harmonics for Industrial Power Control
- DC Motor Speed Controller
- Density based traffic controller with android overriding ability
- Device Load Monitor with Programmable Meter for Energy Audit
- Dialed Telephone Number Display On 7 Segment
- Digitally Controlled Home Automation Project
- Display Object Counter On 7 Segment Display
- Displaying message Using Led Propeller
- Displaying Moving Message On Notice Board Using PC
- DTMF Cell Phone Based Door Opener
- Dynamic Signal Light Timings On Traffic Density
- Efficient Power Manager Project
- Fire Fighter Robot with Night Vision Camera
- Flexible Ac Transmitter System Using TSR
- Hand Motion Controlled Robotic Arm

- Hand Motion Controlled Robotic Vehicle
- Home Appliance Control Using Android Application Project
- Home Automation Using Android
- Home Automation Using Touch Screen
- Hovercraft Controlled by Android
- Human Speed Detection Project
- Induction Motor Timer Using Auto Delta Star Starter
- Industry Automation Using Programmable Switching in Repetitive Nature of Work
- Industry Power Consumption Penalty Minimization Using AFPC Unit Project
- Industry Temperature Control System
- IR Based Dish Position Controller
- IR Based Obstacle Detection for Load Switching Project
- IR Based Traffic Density Detection and Signal Adjustment
- IR Remote Thyristor Power Controller
- Lamp Illumination Control with Precision
- Liquid Level Controller System Without Contact
- Load Control System Using DTMF
- Load Shedding Time Management with Programmable Interface
- Long Range Spy Robot with Metal Detection
- Long Range Spy Robot with Night Vision
- Long Range Spy Robot with Obstacle Detection
- Machine Overheat Detection with Alert
- MC Based Line Follower Robot
- Microcontroller based 4 Quadrant speed control system
- Motion Based Automatic Door Opener
- Multi Microcontroller Networking System
- Multi Motors with Synchronized Speed
- Multi-Power Supply Using 4 Different Sources

- Obstacle Avoider Robotic Vehicle
- Patient Health Check Using Wireless Health Monitor
- PC Based Home Automation
- Postage Stamp Value Calculator
- Power Grid Failure Detection Based on Voltage and Frequency Variance Detection
- Precise Digital Temperature Controller
- Programmable Sequential Load Operation Controlled by Android Application Project
- Remote Controlled Induction Motor Controller
- Remote Controlled Pick & Place Robotic Vehicle
- Remote Controlled Robotic Arm Using RF
- Remote Vehicle Control Through Cell Phone
- RF Based Secure Door Opener System
- RF Controlled Spy Robot with Night Vision Camera
- RF Secure Coded Communication System
- RFID Based Passport Project
- Robot Controlled by Android Application
- Robot Controlled by Android Application
- Robotic Arm Vehicle Controlled by Touch Screen Display
- Robotic Vehicle with Metal Detection Project
- RPM Display for BLDC Motor with Speed Controller
- Security Access Control Using RFID Project
- Shuttling Metro Train Between Stations Project
- Single Phase Induction Motor with Smooth Start
- SMS Controlled Railway Level Gate Control with Programmable Numbers
- Solar Panel with Sun Position Tracking
- Solar Street Lights with Auto Intensity Controller
- Street light automatic intensity controller
- SVC Based Flexible AC Transmission System(FACTS)

- System to Measure Solar Power
- Thyristor Based Cyclo Converter
- Thyristor Firing Angle Control for Battery Charging
- Thyristors Based Dual Converters
- Traffic Signals with Synchronization System
- TV Remote Controlled Home Appliances Project
- TV Remote Controlled Robotic Vehicle Project
- Ultrasonic Distance Measurement Project
- Ultrasonic Object Detection Project
- Ultrasonic Radar Project
- Vehicle Movement Based Street Lights with External Light Sensing
- Vehicle Sensing Street Lights Project
- Vehicle Theft Detection/Notification with Remote Engine Locking
- Visitor Sensor Light with Seven Segment Display
- Voice Based Notice Board Using Android
- Voice Controlled Home Automation
- Voice Controlled Robotic Vehicle
- Wildlife Observation Robot Using RF
- Wireless Surveillance Robot Controlled by PC
- ZVS Based 3 Stage Solid State Relay

Wireless Communication Projects

Wireless communication simply means a data communication without the use of wires. we provide the widest list of wireless project ideas to help in student research as well as studies. We provide wireless communication projects running on various wireless technologies including IR, RF, Bluetooth, DTMF, ZigBee and more. Our wireless communication projects are designed to help engineering students in their wireless project research and development. we have the greatest variety of wireless electronics projects for students, engineers and researchers. Wireless technology is very helpful in saving communication costs and also increasing the effectiveness of communication. The lists consist of wireless communication projects for engineering students to

implement electronics communication systems with ease. Our self-learning wireless electronics project kits are development driven educational kits for researchers.

- 3d Space Wireless Power Transferring Project
- Accident Identification and alerting project
- Advanced Wireless Power Transfer System
- Android Controlled Notice Board Project
- Android Controlled Robotic Arm
- Android Controlled Wildlife Observation Robot
- Automating Homes Using RF
- Car Over Speeding Detection Project
- CNG/LPG Gas Accident Prevention with GSM Alert
- DC Motor Speed Control by Android
- Dialed Telephone Number Display On 7 Segment
- Digitally Controlled Home Automation Project
- Digitally Controlled Home Automation Project
- DTMF Cell Phone Based Door Opener
- GPS + GSM Based Advanced Vehicle Tracking System Project
- GSM Based Door Unlocked system
- GSM based Industry Protection System
- GSM Based Weather Reporting (Temperature/Light/Humidity)
- GSM Stepper Motor Speed & Direction Controller
- Hand Motion Controlled Robotic Arm
- Hand Motion Controlled Robotic Vehicle
- Home Appliance Control Using Android Application Project
- Load Control System Using DTMF
- Motion Based Message Conveyer for Paralytic/Disabled People
- Patient Health Check Using Wireless Health Monitor
- Prepaid Electricity Billing Meter
- Remote Controlled Automobile Using RF

- Remote Controlled Pick & Place Robotic Vehicle
- Remote Controlled Robotic Arm Using RF
- Remote Vehicle Control Through Cell Phone
- RF Based Secure Door Opener System
- RF Controlled Spy Robot with Night Vision Camera
- Robot Controlled by Android Application
- Robotic Vehicle with Metal Detection Project
- SMS Controlled Railway Level Gate Control with Programmable Numbers
- Supervisory Controlling Plus Data Acquisition for Remote Industry
- TV Remote Controlled Robotic Vehicle Project
- Wildlife Observation Robot Using RF
- Wireless PC Communication System
- Wireless Red Signal Alerting for Trains
- Wireless Surveillance Robot Controlled by PC

Latest Robotics Projects Ideas & Topics

Robotics is a mixture of electronics and movable parts, motors and accessories. we provide the widest range of robotics projects for engineering students, researchers, beginners & engineers. We provide the widest list of robotics project ideas along with self-learning robotic kits to help students in robotics research. Our projects help motivate robotics development. We have all types and sizes of large to small robotics projects as desired by customers. These systems are built from scratch using microcontrollers and self-made PCB boards. Our robotics projects are available in self-learning kits, readymade kits as well as self-building kits. These kits are designed for various robotics needs of users. Our robotics project ideas are unique and innovative concepts yet to be implemented. we have a directory of electronics projects built on latest technologies to help electronics learners in their electronics development. Browse through our list of robotics projects ideas for engineering students, beginners as well as professionals and choose your desired project kit.

- Advanced Military Spying & Bomb Disposal Robot
- Agricultural Robot Project
- Android Controlled Fire Fighter Robot
- Android Controlled Pick and Place Robotic Arm Vehicle Project

- Android Controlled Robotic Arm
- Android Controlled Spy Robot with Night Vision Camera
- Android Controlled Wildlife Observation Robot
- DC Motor Speed Control by Android
- Fire Fighter Robot Project
- Fire Fighter Robot with Night Vision Camera
- Fully Automated Solar Grass Cutter Robot
- Hand Motion Controlled Robotic Arm
- Hand Motion Controlled Robotic Vehicle
- Hovercraft Controlled by Android
- Long Range Spy Robot with Metal Detection
- Long Range Spy Robot with Night Vision
- Long Range Spy Robot with Obstacle Detection
- MC Based Line Follower Robot
- Obstacle Avoider Robotic Vehicle
- Remote Controlled Automobile Using RF
- Remote Controlled Pick & Place Robotic Vehicle
- Remote Controlled Robotic Arm Using RF
- RF Controlled Robotic Vehicle
- RF Controlled Robotic Vehicle with Metal Detection Project
- RF Controlled Spy Robot with Night Vision Camera
- Robot Controlled by Android Application
- Robotic Arm Vehicle Controlled by Touch Screen Display
- Shuttling Metro Train Between Stations Project
- Speech Detector Robotic Vehicle Control
- TV Remote Controlled Robotic Vehicle Project
- Voice Controlled Robotic Vehicle
- Wildlife Observation Robot Using RF
- Wireless Surveillance Robot Controlled by PC

Sensor based projects

Find the greatest variety of sensor based projects at here. These sensors based electronics use a variety of sensors to serve as industrial and domestic applications. Find ultrasonic, IR, GSM, GPS, moisture, water, temperature, accelerometer, gyro and more sensor based projects. Our team constantly researches on innovative sensor based projects to help engineers, students and researchers learn about new sensors and their use with microcontroller based circuits in no time.

- Accurate Room Temperature Controller Project
- Alcohol Sensing Display with Alarm Project
- Alcohol Sensing Display with Alarm Project
- Anti Drowning System with Remote Alert
- Attendance System Based On RFID Project
- Auto Irrigation using soil moisture sensor
- Automated RF plus IR Based Paid Parking Manager System
- Automated Visitor Counter with 7 Segment Display
- Automatic Light Intensity Controller by External Light Sensing
- Automatic Unauthorized Parking Detector with SMS Notification To Owner
- Automating Homes Using RF
- Car Over Speeding Detection Project
- Car Parking Project Based on RFID
- Car Speed Checker with Led Display
- Closed Loop DC Motor Control to Run It at Exact Speed
- CNG/LPG Gas Accident Prevention with GSM Alert
- CNG/LPG Gas Leakage Detection & Accident Prevention System
- Dam Operation Based On Water Level
- Display Object Counter On 7 Segment Display
- Dynamic Signal Light Timings On Traffic Density
- Efficient Power Manager Project
- Fingerprint Authenticated Device Switcher
- Fingerprint Based Exam Hall Authentication

- Fingerprint Voting System
- Fire Plus Hazardous Gas Detection and Instant SMS Alerting System
- Fully Automated Solar Grass Cutter
- Geo Location Guide Using RF
- GSM based Industry Protection System
- GSM Based Weather Reporting (Temperature/Light/Humidity)
- Heart Attack Detection by Heart Beat Sensing
- Home and Industrial Safety Using Fire and Gas Detection System
- Home Automation Using Touch Screen
- Human Speed Detection Project
- Industrial Load Switcher Based On Touch Screen
- Industry Temperature Control System
- IR Based Dish Position Controller
- IR Based Obstacle Detection for Load Switching Project
- IR Based Traffic Density Detection and Signal Adjustment
- Irrigation System running on Solar Power
- Liquid Level Controller System Without Contact
- Long Range Spy Robot with Metal Detection
- Long Range Spy Robot with Obstacle Detection
- MC Based Line Follower Robot
- Mobile Charging On Coin Insertion
- Motion Based Automatic Door Opener
- Motion Based Message Conveyer for Paralytic/Disabled People
- Motion Based Message Conveyer for Paralytic/Disabled People
- Obstacle Avoider Robotic Vehicle
- Patient Health Check Using Wireless Health Monitor
- Precise Digital Temperature Controller
- Rain Sensing Automatic Car Wiper
- RF Based Secure Door Opener System

- RF Secure Coded Communication System
- RFID Based Passport Project
- RPM Display for BLDC Motor with Speed Controller
- Security Access Control Using RFID Project
- System to Measure Solar Power
- TV Remote Controlled Home Appliances Project
- TV Remote Controlled Robotic Vehicle Project
- Ultrasonic Blind Walking Stick
- Ultrasonic Distance Measurement Project
- Ultrasonic Navigation for The Blind
- Vehicle Movement Based Street Lights with External Light Sensing
- Vehicle Sensing Street Lights Project
- Visitor Sensor Light with Seven Segment Display
- Wireless Red Signal Alerting for Trains

AVR Microcontroller Based Projects

Find the latest and innovative AVR microcontroller based projects only at here. This list is comprised of Atmega 8, 32, and 168 microcontrollers which belong to the AVR family. Avr family is a family of 28, 40 pin microcontrollers that can help build a lot of innovative electronics based systems. These AVR based projects kits are designed to help engineers, researchers and enthusiasts learn and research about AVR based electronics systems in no time. These AVR microcontroller based systems fulfill various needs using sensors, modems and other electronic devices Get the widest list AVR microcontroller based project ideas and topics at here.

- Accident Identification and alerting project
- Alcohol Sensing Alert with Engine Locking Project
- Alcohol Sensing Display with Alarm Project
- Android Controlled Robotic Arm
- Anti Drowning System with Remote Alert
- Automatic Unauthorized Parking Detector with SMS Notification to Owner
- Billing System Based On RFID

- CNG/LPG Gas Accident Prevention with GSM Alert
- CNG/LPG Gas Leakage Accident Prevention System
- Fingerprint Authenticated Device Switcher
- Fingerprint Based Exam Hall Authentication
- Fully Automated Solar Grass Cutter
- GSM based Industry Protection System
- GSM Based Weather Reporting (Temperature/Light/Humidity)
- Hand Motion Controlled Robotic Arm
- Hand Motion Controlled Robotic Vehicle
- Heart Attack Detection by Heart Beat Sensing
- Hovercraft Controlled by Android
- Mobile Charging On Coin Insertion
- Prepaid Electricity Billing Meter
- Rain Sensing Automatic Car Wiper
- Remote Controlled Robotic Arm Using RF
- Remote Stepper Motor Controller System
- RTC Based Pump Switcher
- Smart Wireless Battery Charging with Charge Monitor Project
- Ultrasonic Blind Walking Stick

Latest RF & RFID Based Project

We have the largest list of RF as well as RFID based projects topics and ideas for engineer's researchers and students. These RFID projects kits are help you learn and build RFID based circuit systems. These RF projects are built by making effective use of the RF technology in various fields of life. These project kits are provided to help individuals in their RF based research and studies. RF technology is used in various applications at various industries. Our RFID based projects are built to demonstrate these concepts through our self-learning electronics project kits.

- Advanced Military Spying & Bomb Disposal Robot
- Anti Drowning System with Remote Alert

- Attendance System Based On RFID Project
- Automated RF plus IR Based Paid Parking Manager System
- Automatic Unauthorized Parking Detector with SMS Notification to Owner
- Automating Homes Using RF
- Billing System Based On RFID
- Car Parking Project Based on RFID
- Fire Fighter Robot with Night Vision Camera
- Geo Location Guide Using RF
- Heart Attack Detection by Heart Beat Sensing
- Motion Based Message Conveyer for Paralytic/Disabled People
- Motion Based Message Conveyer for Paralytic/Disabled People
- Remote Controlled Automobile Using RF
- Remote Controlled Robotic Arm Using RF
- RF Based Secure Door Opener System
- RF Controlled Robotic Vehicle
- RF Controlled Spy Robot with Night Vision Camera
- RF Secure Coded Communication System
- RFID Based Passport Project
- RFID Voting System Project
- Robotic Vehicle with Metal Detection Project
- Security Access Control Using RFID Project
- Ultrasonic Blind Walking Stick
- Wildlife Observation Robot Using RF

Android Project Ideas

Find latest android project topics for your final year engineering projects. These are innovative android app project ideas to be developed as final year projects by engineering students. Your search for latest project topics in android ends here. we provide a variety of android app project ideas to be developed as your final year project. These ideas have been researched and updated here every week for students to implement and use. Android platform has grown exponentially in

terms of size and technology in the past years. Android is used for standalone as well as server based hybrid mobile phone system implementation. So here we provide a largest variety of android app development project ideas that can be implemented. These are innovative android based topics that can be implemented as full-fledged innovative android applications and presented as final year engineering projects.

For Electronics/Communication

- Android Antenna Positioning System
- Android Circuit Breaker
- Android Controlled Automobile
- Android Controlled Based Spy Robot with Night Vision Camera
- Android Controlled Fire Fighter Robot
- Android Controlled Induction Motor with 7 segment display
- Android Controlled Pick and Place Robotic Arm Vehicle Project
- Android Controlled Railway Level Gate Control
- Android Controlled Remote AC Power Control
- Android Controlled Remote Password Security
- Android Controlled Robotic Arm
- Android Controlled Wildlife Observation Robot
- Android Military Spying & Bomb Disposal Robot
- Android Password Based Remote Door Opener System Project
- DC Motor Speed Control by Android
- Home Appliance Control Using Android Application Project
- Home Automation Using Android
- Hovercraft Controlled by Android
- Robot Controlled by Android Application
- Voice Based Notice Board Using Android
- Voice Controlled Home Automation Using Android
- Voice Controlled Robotic Vehicle

GSM Based Projects

Get GSM based projects for electronics and communication research and studies. A GSM module is a system that uses a sim card to connect to cell phone networks for data passing. We have researched these GSM based projects ideas and topics to help electronics and communication students, researchers and enthusiasts learn about GSM based systems. Our GSM projects kits make use of GSM modem with microcontrollers for various purposes.

- Automatic Unauthorized Parking Detector with SMS Notification to Owner
- CNG/LPG Gas Accident Prevention with GSM Alert
- Energy Management System with Programmable Numbers using GSM
- Fire Plus Hazardous Gas Detection and Instant SMS Alerting System
- GSM Based Door Unlocked system
- GSM based Industry Protection System
- GSM Based Weather Reporting (Temperature/Light/Humidity)
- GSM Stepper Motor Speed & Direction Controller
- Home Security using GSM
- Monthly Electricity Billing Display with Bill SMS Feature
- Power Meter Billing Plus Load Control Using GSM
- SMS Controlled Railway Level Gate Control with Programmable Numbers
- SMS Voting System Project
- Vehicle Theft Detection/Notification with Remote Engine Locking

Electrical Projects

Get final year electrical engineering projects for diploma, degree, MSc and other electrical branch students. We guide you through final year of engineering to help you get the best out of your final year project. Get final year core electrical as well as electronics and communication engineering projects. Browse through our lists of final year projects for electrical engineering.

We develop and train on final year projects for EEE as well as electrical engineering branches. Get electrical projects for diploma students as well as degree and MSc students. Get latest final year projects topics and ideas for electrical engineering students only at here.

- 3 Phase Induction Motor with Soft Start

- 3 Way Failure Analyzer Reset On Temporary Fault Else Permanent trip
- 6 Volt DC to 10 Volt DC Converter
- AC Power Controller with Programmable Interface
- AC Power Strength Controller System
- Ac to High Voltage DC Using Voltage Multiplier Circuit
- Accurate Room Temperature Controller Project
- Advanced Wireless Power Transfer System
- Checking Phase Sequence of 3 Phase Supply
- Commercial Power Saver Project
- Configurable Password Security System
- Controlling Solar Energy Charge
- Cycle Switching Without Harmonics for Industrial Power Control
- Device Load Monitor with Programmable Meter for Energy Audit
- Digitally Controlled Home Automation Project
- Emergency Auto Led Light
- Flexible Ac Transmitter System Using TSR
- Generating DC High Voltage Using Marx Generator
- Industry Power Consumption Penalty Minimization Using AFPC Unit Project
- Industry Process Automation Using Programmable Switching
- Lamp Illumination Control with Precision
- Load Control System Using DTMF
- Load Shedding Time Management with Programmable Interface
- Microcontroller less Four Quadrant DC Motor Control
- Monthly Electricity Billing Display with Bill SMS Feature
- Multi-Power Supply Using 4 Different Sources for No Break Power Supply
- Over Voltage Under Voltage Load Protection
- Power Meter Billing Plus Load Control Using GSM
- Power Supply with Auto Switching
- Protecting Induction Motor from Phase & Temperature

- RPM Display for BLDC Motor with Speed Controller
- Single Phase Induction Motor with Smooth Start
- Single Phase Induction Motor with Smooth Start
- Smart Wireless Battery Charging with Charge Monitor Project
- Supervisory Controlling Plus Data Acquisition for Remote Industry
- Switching Load By Touch
- System to Measure Solar Power
- Testing Life Cycle of Electrical Loads Using Down Counter
- Wireless Mobile Charging Project

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