

Project Ideas

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Project Ideas provides 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.

8051 Microcontroller Projects

- [Android Password Based Remote Door Opener System Project](#)
- [Circuit Breaker Based On Password](#)
- [Thyristor Based Cyclo Converter](#)
- [Precise Digital Temperature Controller](#)
- [Obstacle Avoider Robotic Vehicle](#)
- [Density Based Traffic Controlling System With Android Override](#)
- [Industry Power Consumption Penalty Minimization Using AFPC Unit](#)
- [Commercial Power Saver System](#)
- [Flexible AC Transmission Using TSR](#)
- [Attendance System Based On Rfid](#)
- [RFID Based Passport Project](#)
- [Flexible AC Transmission Using SVC](#)
- [Android Controlled Notice Board Project](#)
- [Auto Intensity Control Of Solar Based Street Lights](#)
- [Android Based Home Automation System](#)
- [Home Appliance Control Using Android Application](#)
- [Security Access Control Using Rfid](#)
- [Robot Controlled By Android Application](#)
- [Android Controlled Remote AC Power Control](#)
- [Ultrasonic Object Detection System](#)
- [Android Controlled Remote Password Security](#)
- [Object Counting Using 7 Segment Display](#)
- [Suntracker Solar Panel](#)
- [DC Motor Speed Control By Android](#)
- [Zero Contact TachoMeter \(SpeedOMeter\)](#)
- [Configurable Password Security System](#)

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- [Instant Electric Circuit Breaker](#)
- [Remote Vehicle Control Through Cell Phone Using DTMF](#)
- [Device Load Monitor With Programmable Meter For Energy Audit](#)
- [TV Remote Controlled Robotic Vehicle Project](#)
- [TV Remote Controlled Home Appliances Project](#)
- [Auto Irrigation Using Soil Moisture Sensing](#)
- [Running DC Motor At Desired Speed](#)
- [Industry Process Automation Using Programmable Switching](#)
- [Industry Temperature Controller System](#)
- [Motion Based Auto Door Opener](#)
- [Cable Fault Distance Finder Project](#)
- [Ultrasonic Distance Measurement Project](#)
- [Dish Position Controller Using TV Remote](#)
- [Thyristor Based Dual Conversion](#)
- [Multi Microcontroller Networking System](#)
- [AC Power Strength Controller System](#)
- [Load Shedding Time Management For Utility Department](#)
- [Efficient Power Manager Project](#)
- [Vehicle Theft Detection/Notification And Remote Engine Locking](#)
- [SMS Controlled Railway Level Gate Control With Programmable Numbers](#)
- [Electronic Notice Board Controlled By Gsm](#)
- [Early Flood Detection System](#)
- [Programmable Sequential Load Operation Controlled By Android Application Project](#)
- [Rf Controlled Robotic Vehicle With Metal Detection Project](#)
- [RF Based Home Automation](#)
- [RF Secure Coded Communication System](#)
- [Dynamic Signal Light Timings On Traffic Density](#)
- [Paid Car Parking Project Based On RFID](#)
- [IR Based Obstacle Detection Project](#)
- [Induction Motor Speed Control Using TV Remote](#)
- [Traffic Controller Based On Density With RF Remote Override](#)
- [Street Light Automatic Intensity Controller](#)
- [Microcontroller Based 4 Quadrant DC Motor Speed Control](#)
- [Testing Life Cycle Of Electrical Loads Using Down Counter](#)
- [Vehicle Movement Based Street Lights Project](#)
- [FireFighter Robot](#)
- [Car Overspeeding Detection Project](#)
- [Irrigation System running on Solar Power](#)
- [GPS + GSM Based Advanced Vehicle Tracking System Project](#)
- [Shuttling Metro Train Between Stations](#)
- [Monthly Electricity Billing Display With Bill SMS Feature](#)

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- [Power Meter Reader Plus Load Control Using GSM](#)
- [Desired Lamp Illumination Control System](#)
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- [Load Control System Using DTMF](#)
- [Multi Power Supply Using 4 Different Sources For No Break Power Supply](#)
- [RPM Display For BLDC Motor With Speed Controller](#)
- [Postage Stamp Value Calculator](#)
- [Electrical Load Controlled By PC](#)
- [Car Speed Checker With LCD Display](#)
- [Displaying Moving Message On Notice Board Using PC](#)
- [DTMF Cell Phone Based Door Opener](#)
- [Programmable Medication Reminder System](#)
- [MC Based Line Follower Robot](#)
- [Android Controlled Automobile](#)
- [Automated Visitor Counter With 7 Segment Display](#)
- [Automatic Toll Collection Project](#)
- [Wireless Red Signal Alerting For Trains](#)
- [Geo Location Guide Using RF](#)
- [Energy Management System With Programmable Numbers using GSM](#)
- [Remote Stepper Motor Controller System](#)
- [Billing System Based On RFID](#)
- [Dam Operation Based On Water Level](#)
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- [Gsm Based Door Unlocker system](#)
- [Auto Lap Time Measurement System](#)
- [SMS Voting System Project](#)
- [Prepaid Electricity Billing Meter](#)
- [Digitally Controlled Home Automation Project](#)
- [CNG LPG Gas Leakage Detection & Accident Prevention System](#)
- [Android Controlled Fire Fighter Robot](#)
- [Android Controlled Spy Robot With Night Vision Camera](#)
- [RF Controlled Spy Robot With Night Vision Camera](#)
- [Remote Controlled Pick & Place Robotic Vehicle](#)
- [Android Military Spying & Bomb Disposal Robot](#)
- [Hand Motion Controlled Robotic Arm](#)
- [Android Controlled Pick And Place Robotic Arm Vehicle Project](#)
- [Remote Controlled Robotic Arm Using Rf](#)
- [Ultrasonic Radar Project](#)
- [PC Based Home Automation](#)
- [Hand Motion Controlled Robotic Vehicle](#)
- [Voice Controlled Robotic Vehicle](#)
- [Human Speed Detection Project](#)

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- [Machine Overheat Detection With Alert](#)
- [Voice Based Notice Board Using Android](#)
- [IR Based Traffic Density Detection And Signal Adjustment](#)
- [Automated Elevator With Overload Alert](#)
- [Vehicle Movement Based Street Lights With External Light Sensing](#)
- [Automatic Light Intensity Controller By External Light Sensing](#)
- [System To Measure Solar Power](#)
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- [Fully Automated Solar Grass Cutter](#)
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- [Accurate Room Temperature Controller Project](#)
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- [Long Range Spy Robot With Night Vision](#)
- [Long Range Spy Robot With Metal Detection](#)
- [Long Range Spy Robot With Obstacle Detection](#)
- [Over Voltage Under Voltage Load Protection With Gsm Alert](#)
- [Android Circuit Breaker](#)
- [Voice Controlled Home Automation](#)
- [RFID Voting System Project](#)
- [Android Controlled Wildlife Observation Robot](#)
- [Wildlife Observation Robot Using Rf](#)