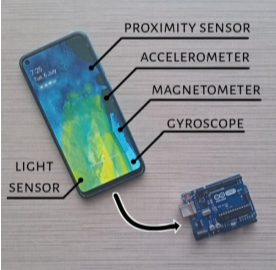





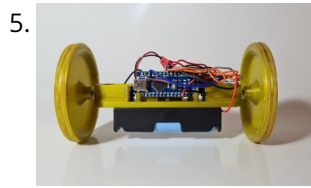
Android based arduino Projects List Download PDF

Android based arduino Projects List:

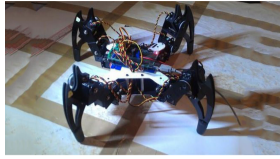
Most of the electronics geeks are asking the whole list of Android based arduino Projects List Download PDF here we will share list every month as our projects are being updated on daily basis. PDF is a good source to work offline. We will offer direct PDF file download link with info of its release date , number of projects.



<u>List No.</u>	<u>PDF Download Link</u>	<u>Release Date</u>	<u>Number of Projects</u>
1	Click here Android based arduino Projects List Download PDF	July 2018	206
1.		Sensors in Phone and Arduino Serial Communication Sensors are one of the crucial things when it comes to building projects/robots. Many a times the sensor might be not available locally or it might take too long to...	
2.		Arduino Game Controller for Both PC and Android In this instructables session we are going to see . How to make your joystick . Which is compatible for PC, Laptop , Smart Phone . By Using UnoJoy Libary....	
3.		Arduino Powerd, RGB + White LED, Bluetooth controllable, Floor lamp A couple of mounts ago i order a 1M long WS2801 RGB led strip, just for fun. I took me a while to get the strip working with my Arduino....	
4.		Paper Man: a machine created by Arduino and NFC Paper Man is a machine comprised of Arduino, NFC Shield, thermal printer and a papercraft shell—Iron Man. Thanks to the NFC Shield, you can directly sent messages from your mobile...	



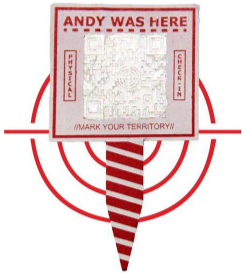
5. DIY Arduino Bluetooth Controlled Car Hello friends! My name is Nikolas, I am 15 years old and I live in Athens, Greece. Today I will show you how to make a 2-Wheel Bluetooth Controlled Car using...



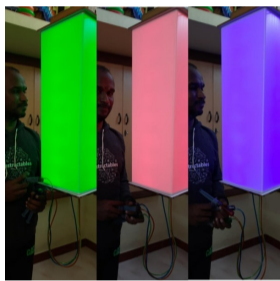
6. Arduino Quadruped Robot Stalker Arduino Quadruped Robot - Stalker I am going to build an Arduino Quadruped Robot. As usual, I will share my source code and show as many pictures as possible, to help those...



7. Home Automation (or Robot Butler called Geoffrey) – iPhone controlled, arduino based Being able to control everything from your pocket has long been a dream shared by many. Previously we've had universal remotes that can both control our TVs and radios, then...



8. Pee to Check-In to Foursquare – Mark Your Territory using Arduino In case you are unfamiliar with the most amazing new way to physically "check in" to foursquare here is a video that will explain it all: Mark Your Territory is...



9. Color Injection Lamp – Jumbo Size I love this concept very much because kids like it very much. Now a days kids are always in mobile for study then for play and then for entertainment. Already...



10. Measuring Refrigerant Gases Sound Speed Using Arduino and App Inventor 2 The purpose of this Instructable is to build a portable device that can measure the speed of sound in refrigerant gases and use this data to identify them. The speed of...



11. Wilson – the IoT Hat Hi There, Recently, I finished up on my DIY project Wilson: the IoT hat. Because of the big fun I had creating and using this IoT hat, and given the...

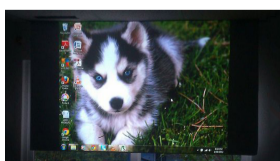


12. Program your Arduino with an Android device Hi, in this Instructable I want to show you, how you can program your Arduino with your Android device. It is very simple and cheap. Also it allows us to...

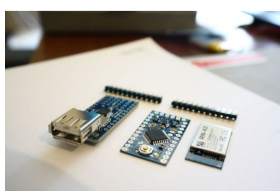


13. Differential Thermal Analysis Using Arduino and PhyPhox When a solid substance is heated the increase in energy manifests itself in the form of an increase in temperature. If the heating rate is constant the temperature increase is...

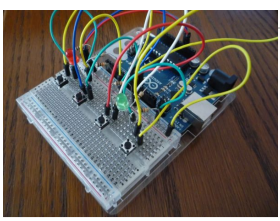
14. Android & Arduino Controlled Projector Screen This is my first time using Arduino, or any microcontroller. I'm glad it worked out so well but my wife may not be, due to the stacks of microcontrollers that...



15. Building the YaNis EOS Controller using Arduino The YaNis EOS controller is a device that allows you to wirelessly control your Canon DSLR from your Android phone. What's really exciting here is that the Android interface allows...



16. Arduino Combi-button Lock optional Android support Recently, I decided I would like to attempt to make a passcode lock with my newly acquired Arduino Uno, but all the tutorials I could find made use of a...



17.



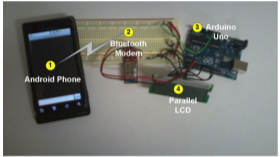
RC Paper Tank – Bring your 3D models to life Bring your 3D models to life! In this instructable we will custom make a remotely controlled tank. We will infuse paper-craft with an arduino based system. This tank will be...

18.



How to Create an Arduino Compatible Bluetooth 4.0 Module I had been looking for a cheap alternative to some of the Arduino Bluetooth devices I'd seen, which in my opinion are overpriced. Redbear's Mini: \$39.95 (Note: This is a...

19.



Android talks to Arduino This project slightly modifies the Google Android sample app called "Bluetooth Chat" so you can type a message in the Android app and that same message will appear on an...

20.



Tetrahedral LED Hat (Deichkind Style) V1 Do you know the German music band Deichkind? Well, I am a big fan of them and have been to several concerts. As part of their stage shows this band wears...

21.



Measuring the Boiling Point of Liquefied Gases Using Arduino and PhyPhox A substance that is in a liquid state is constantly evaporating or passing into the gaseous state (depending on the intermolecular forces and temperature). The pressure exerted by the gaseous...

22.



Wizard Chess Wizard Chess is a form of chess originally invented by J.K. Rowling in Harry Potter and the Sorcerer's Stone. The characters give verbal commands to the chess pieces and they move...

23.



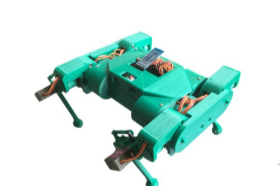
Never Lose Your Phone Again Who hasn't ever left his phone on a spot and realised they had lost it too late? Anonimoconhache present you the solution: Don't Lose Me. With this amazing gadget you...

24.



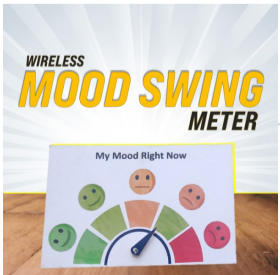
Visualizing Chaos With the Double Pendulum We enjoy having an ordered, methodical and efficient lifestyle, however, more recently we have acquired a taste for the disorganized, topsy-turvy, chaotic lifestyle. Which is why, in this Instructable we...

25.



Ez Arduino 12 DOF Quadruped Robot – Robot Dog Lassie Since Boston Dynamics releases the quadruped robot - Spot, making robot dog has been very popular. There are number of attempts to build similar robot. Most are expensive and very...

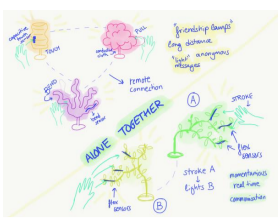
26.



Wireless Mood Meter Suppose your mood changes so fast that people can't cope up with it. You feel sad but people do something that makes you more sad. If only they knew what...

27.

Alone Together – Plant Lamps This instructable is part of the course Physical Interaction and Realization at KTH, Royal Institute of Technology. We are going to teach you how to build two, quite organic and...

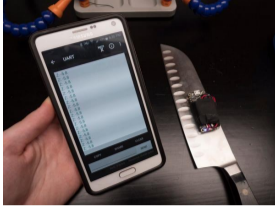


28.



Eve, the Arduino Chatbot Hello DIYers, have there been instances when you really wanted to share your feelings with someone and no trusted one was around? In today's busy world, this is a common...

29.



Knife Sharpening Angle Coach With Bluetooth & Arduino Precision sharpening skills aren't developed overnight! Here's a high-tech way to monitor your knife angle during sharpening, with the help of an absolute orientation sensor and bluetooth microcontroller. This project...

30.



Phone+Arduino Controlled Teddy Ruxpin In this instructable I will be demonstrating how to control Teddy Ruxpin with a phone and the help of an arduino. After this modification Teddy Ruxpin will work as Google...

31.



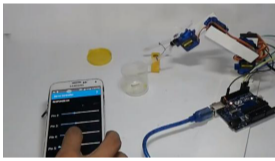
Arduino Energy Meter - V2.0 Hello friend, welcome back after a long break. Earlier I have posted an Instructables on Arduino Energy Meter which was mainly designed to monitor the power from the solar panel (DC Power)...

32.



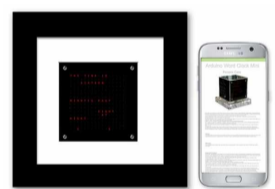
DIY Telematics Box Telematics boxes (aka Black Boxes) are used to record and log various attributes of a moving vehicle. They have been primarily used in airplanes to log various attributes of an...

33.



Smartphone / Tab Controlled ROBOT ARM !! Making ROBOT ARMS is very popular and fun among hobbyists, but it's not that easy to control a ROBOT ARM. So today we'll be making a robot arm that can be...

34.



Arduino Word Clock Mini Arduino Word Clock Mini- Anniversary Clock Relatively easy to build Word Clock using a Arduino Nano and four MAX7219 32mm Dot Matrix Display Modules Choice of styles, picture frame or Perspex...

35. Virtual Reality Flying Machine (Arduino) This project goes through converting a hammock into a VR flying machine. We will use a VR app that is running the WRLD SDK in Unity so you can input...



36.



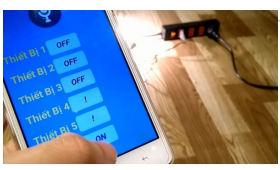
IPad Play Timer I think this is a topic every parent is struggling with. How much can the kids play with their iPads (or any other tablet). We tried multiple approaches, like fixed times,...

37.

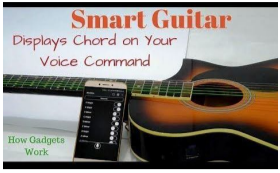


Study Better With a Smart Desk Lamp - IDC2018IOT People in the western world spend a lot of time sitting. At the desk, driving around, watching TV and more. Sometimes, sitting too much can harm your body and harm...

38. Controlling Devices With Voice Command Using NodeMCU I just want to say hello to everybody, this is my first time writing an instructable project. English is not my native language so I will try to make short...



39. **Smart Guitar** Displays Chord on Your Voice Command I am an Electronics engineer by profession and a guitarist by hobby. I wanted to make a guitar which can itself show the beginner guitarist how to play the chords...



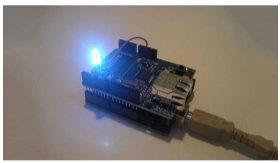
40. **Lego Mini Memory Game** A year or so ago, I wrote up an Instructable about installing a bunch of LEDs in a Lego Mini Cooper. The innovation, such as it was, was that the LEDs could...



41. **SensoDuino: Turn Your Android Phone into a Wireless Sensors Hub for Arduino** UPDATES Nov 23, 2013: SensoDuino 0.160 gets a face lift. Nov 19, 2013: OPINION: The Amazing Synergy Between Arduino & Android. Nov 19, 2013: SensoDuino 0.159 is out. Android phone date (y,m,d) and time...



42. **Web Controlled Arduino LED** This instructable shows you how to build a Web-enabled tri-color LED based on an Arduino and the WIZnet Ethernet shield, controllable from any Web browser . Check the live demo...



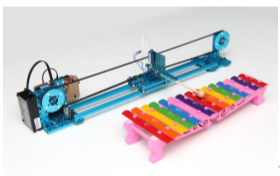
43. **Interfacing Any Arduino With a Cellphone** When using an Arduino, it may result quite annoying to not be able to use it just because you do not have a computer available. Maybe the Windows or Mac...



44. **Phone Controlled Mood Lighting** Dorm rooms are notorious for their dreadful lighting, so I wanted to make a cool alternative light source for my room at school. I made it phone controlled so there...



45. **How to Make a Makeblock Music Robot with the Music Robot Kit (NEW)** Makeblock is an aluminum extrusion based construction system that provides an integrated solution for aspects of mechanics, electronics and software design. With Makeblock you can make professional robots, toy machines...



46. **Easy Very Low Power BLE in Arduino Part 3 – Nano V2 Replacement – Rev 3 Update: 7th April 2019 – Rev 3 of Ip_BLE_TempHumidity, adds Date/Time plots, using pfodApp V3.0.362+, and auto throttling when sending dataUpdate: 24th March 2019 – Rev 2 of Ip_BLE_TempHumidity, adds more...**



47. **PasswordPump Passwords Manager** This is v1.0 of the PasswordPump, a USB device that manages credentials for up to 254 accounts. Credentials (account names, usernames and passwords) are stored ONLY on the device itself,...



48. **UCL-Embedded – Arduino Door Lock** This project was created by Daniel Månsson [], Flemming Andersen [flem781a] and Mikkel Pavia [mikk24b9] as an exam project at the school University College Lillebælt. As a part of one...



49. **Arduino Bluetooth Camera** Today you can hardly surprise anyone with a mobile phone with a camera, wireless gadgets and other technical advances. Thanks to the Arduino platform, millions of people have discovered the...



50. **Turn a Commodore 64 Into an IOS Bluetooth Keyboard** This instructable describes how to turn a Commodore 64 computer into a bluetooth keyboard. It involves programming a micro controller with the Arduino IDE and constructing a circuit board. Supplies...



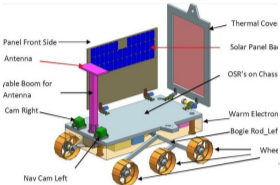
51. **DIY ARDUINO BLUETOOTH CONTROLLED CAR** 😊 Hello, Guys! In this instructable tutorial, I'm going to make an Arduino nano based smartphone (Bluetooth) controlled car. All we know that Arduino is an excellent prototyping platform, principally because...



52. **Old Man and the Arduino GPS** So this Lazy Old Geek (L.O.G.) hasn't been able to do an Instructable for a few years. At 70 years old, the brain doesn't work as well as it used...



53. **IOT Lunar Rover Raspberrypi+Arduino** <https://youtu.be/mcdEGQTxE88> This project is inspired by the Indian moon mission Chandryaan-2 Which will take place in September 2019. This is a special mission because they are going to land on the...



54. **[DEPRECATED] Arduino-Based Smart Glasses by a 13-year-old - Jordan Fung's Pedosa Glass** We have developed into Pedosa Innovation, a tech start-up founded by the developer of Pedosa Glass. We have continued to develop wearable technology, in addition to cloud infrastructure and STEM...



55. **DIY Smart Follow Me Drone With Camera (Arduino Based)** Drones are very popular toys and tools these days. You can find professional and even beginner drones and flying gadgets in the market. I have four drones (quadcopters and hexcopters),...



56. **Head Mouse With MPU6050 and Arduino Micro** <https://youtu.be/zsUDoa4-fQg> Hi everyone, here it is my new project, a mouse controlled with the movement of the head! I decided to make this project once I received my accelerometer/gyroscope MPU6050 from...



57. **Tracked Robot Bluetooth Controlled by Arduino Via Android Application** <https://youtu.be/J3DwgZvD2js> After trying to remote tracked robot by IR remote control. I have proceed to control same robot platform by Bluetooth Arduino controller via Android application. This method is more reliable, longer distance, pretty...



58. **Connecting "stuff" Via Bluetooth / Android / Arduino** A very good wireless local area network (and personal) is undoubtedly the Bluetooth (BT). Today in our day-to-day is common to find us using cell phones, stereos, cameras, etc., interconnected...



59. **Voice to Arduino: Control LEDs Using MIT Speech Recognizer** Hello, everybody!!! It has been some time I had not updated my post here. Today I would like to share with you guys an experiment I made. I am going...



60. **SparkRover - 3D Printed Smartphone Controlled Robot** Over the years, I have built several large robots using a custom-made robotics driver that I created called the SmartRover system. This driver was initially used for my SmartRover robot...



61. **Program Your Arduino With an Android Device!** Hi, in this Instructable I want to show you, how you can program your Arduino with your Android device. It is very simple and cheap. Also it allows us to...



62. **Nexus 7 and the Arduino.** Will show several ways to show how to use an Arduino as a sensor using The Nexus 7 for a terminal and to do development. This can be very important...



63.



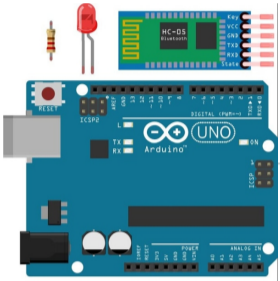
WiFi Enabled Arduino – Interfacing With Web APIs Are you familiar with Arduino, but are looking for a little more connectivity in your projects? This Instructable goes over a new (and cheap) wireless module that has hit the...

64.



Course on MIT App Inventor and Arduino I have made many tutorials for creating apps using MIT app inventor and connected the app with arduino to make things work, I often get email stating something went missing...

65.



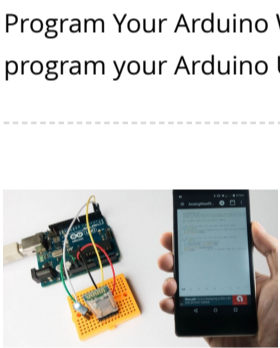
Arduino Bluetooth Basic Tutorial Ever thought of controlling any electronic devices with your smart phone ?Controlling your robot or any other devices with your smartphone will be really cool. Here is a simple and basic...

66.



Car Dash Tablet Putting a tablet in car dash.This project was on my mind for a long time.Somewhat I couldn't find any free time to build this project. But now I have done...

67.



Program Your Arduino With an Android Device Over Bluetooth Hello world, in this Instructable I want to show you, how to program your Arduino Uno with your Android device over Bluetooth. It is very simple and so cheap. Also...

68.



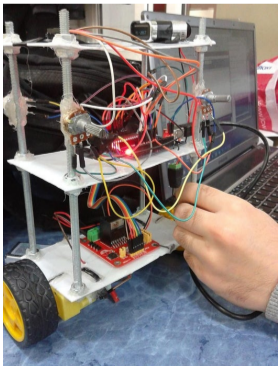
DIY Multi Featured Robot With Arduino This robot was mainly built for understanding Arduino and combining various projects of Arduino to form a Multi Featured Arduino Robot. And further, who doesn't want to have a pet...

69.



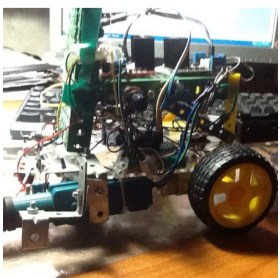
Wearable Wireless Gesture Control With PHIRO Pro + Arduino + Pocket Code Smartphone App (JEDI MODE) Once again, here we are with another tutorial to "Awaken the Force" within you! With the new Star Wars movie just around the corner, we thought it would be fun to use...

70.



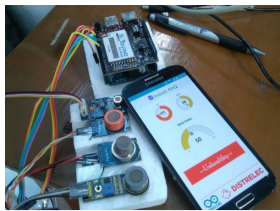
Arduino Self Balancing Robot In this project I will describe the construction of robots standing in equilibrium with Arduino.We explained in our previous version of the android controlled project. In this project we will...

71.

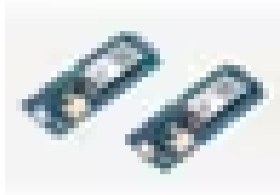


Arduino Robot first of all, i am sorry if i have grammar mistakes, i am asian and i am 13 years old, i study arduino by my self (mostly my self) and...

72. Indoor Air Quality Monitoring System An indoor air quality monitoring system for detecting toxic gases. Things used in this project Hardware components Arduino Yun Shield & Genuino Yun Shield × 1 Arduino Leonardo × 1...



73. Stylish IoT Neck Warmer Controlled from Mobile Browser The IoT version of a stylish neck warmer directly coming from this year's Fashion Weeks rolled into London, Paris and New York. Things used in this project Hardware components Arduino...



74. Teleoperated Robot for Sensing the Toxic Gases Remotely operated ground vehicle for sensing the toxic gases which is helpful for firefighters and researchers. Things used in this project Hardware components Arduino Yun × 1 Arduino MKR1000 ×...



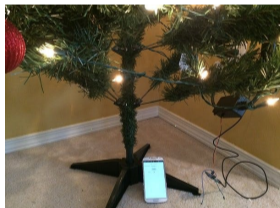
75. Arduino based Smartphone Controlled Robot Car Nowadays smartphones can be used to control a host of electrical and electronic devices including motors, music systems and lights. Here we present an Arduino based robot car, which can...



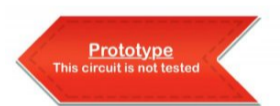
76. Arduino Based Programmable Digital Data Display LCDs are widely used in applications like token-display machines in smalls and supermarkets, order number displays in restaurants and café, and so on. The project presented here demonstrates the working...



77. IOT Lighted Xmas Tree Do you want to conserve energy and turn the Christmas tree lights on/off when not required? In IOT era, that can be done using MKR1000. Things used in this project...



78. Wi-Fi Controlled Robot Using Arduino UNO And Blynk This Wi-Fi controlled robot can be controlled from anywhere using the ARMA IoT shield for UNO and the Blynk App which provides the user interface. Overview Simple...



79. My Home1000 Holiday Things for HOME Automation & Control Remotely we control our home with MKR1000 and IOT of Blynk. We can manage the boiler, the 'anti-theft irrigation, open the Automatic Gate. Things used in this project Hardware components...



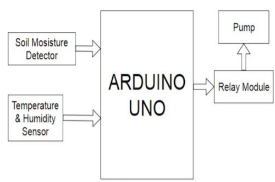
80. My XL Wireless Photo Wall – PictureLED A project utilizing the mkr1000 and 960 ws2812b to display a picture on the wall, you take a photo with the smartphone and you can see it! Things used in...





81. Designing Smart Chatbot with IoT for home automation with videos (Hindi & English) In this project, we will be using ESP8266 12e manufactured by Lolin to make a Chatbot that can control our home applications. To chat with our chatbot, we will use Facebook...




82. Smart Irrigation System This project is based on the AEIOU heuristic framework of Design Engineering Approach. Design for Performance, Safety and Reliability is ensured in terms of segregation of the low voltage and...




83.  Tiny Wi-Fi Switch for \$3 Out of curiosity, I ordered the tiny ESP8266 relay switch from aliexpress.com but never knew it could be so embarrassing to find the right way to operate. The vendor said...

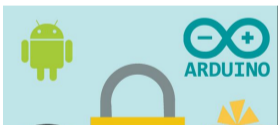
84.  Home Automation using Bluetooth of ESP32 with Videos (Hindi & English) In this project, we will be dealing with the inbuilt Bluetooth feature in ESP32 Development board and try to build an application around it. https://youtu.be/zZUs_GRprpY The Bluetooth system can be divided...


85.  Arduino MKR1000 & Blynk A simple Internet of Things experiment, using an Arduino MKR1000 board to control two LEDs and monitor a potentiometer, via Blynk app. Things used in this project Hardware components Arduino...


86. IoT and Touch-Based Home Automation with Video (Hindi & English) We have seen various applications of IoT but what about adding the touch to it. In this project, we will add simple touch buttons to the ESP-32 Wi-Fi module. <https://youtu.be/C4kWwcpajFE> ESP-32...




87.  Internet of Things (IoT) LED Lamp with Video (Hindi & English) In this project, we handle the output pin of ESP32 for switching and dimming a DC LED lamp using a local Web server. For a local Web server, we do not...

88.  Arduino MKR1000 + Android + Relay = Christmas gift lock Santa is here but you need to guess your gift's password! It's a great starting point if you're new to Arduino MKR1000, networking & Android Things used in this project...

89.  Arduino MKR1000 Kit Best in Class Arduino MKR1000 Controller. Things used in this project Hardware components Arduino MKR1000 × 1 Software apps and online services Arduino IDE Arduino MKR1000 Kit - Android Apple...

90.  IoT Home Automation Using ESP-32 with Videos (Hindi & English) Back in earlier days, when the word Internet of Things (IoT) was not a sound bite, developers of this field used various Wi-Fi shields to enable the Wi-Fi feature in...

91.  Temperature Monitoring on Smartphone This article describes a temperature monitoring system on an Android smartphone. Temperature is sensed by a temperature sensor installed in the circuit and is sent over Bluetooth to the smartphone....

92. Voice-Controlled Home Automation System This is a project for a voice controlled home automation system to control appliances with your voice through an Android app. An Arduino Mega board is used for controlling the...

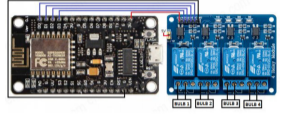


93.



IoT-Enabled Air Pollution Meter With Digital Dashboard On Smartphone Presented here is a IoT enabled air pollution meter to monitor air quality on your smartphone using Blynk application and Arduino board. Blynk is an Internet of Things (IoT) platform...

94.



Oct Home Automation using ESP8266 & Blynk App – IoT A home automation system is an automating the bulk of electronic and electrical tasks within a home. It uses a combination of hardware and software to enable control and management over appliances and...

95.



Smart Phone Controlled Arduino Mood Light with Alarm Smart Phone Controlled Arduino Mood Light with Alarm I recently purchased the Neo Pixel LED strip and was quite impressed by the way it works. The tiny LED's have an inbuilt driver...

96.



ARDUINO NANO ANDROID ROBOT PROJECT QIK2S9V1 XBEE BLUETOOTH Android robot project built on the Arduino Nano sumo the Sumo robot motor control Qik2s9v1 dual serial motor controller module, Xbee for communication via your Android phone with Bluetooth module...

97.



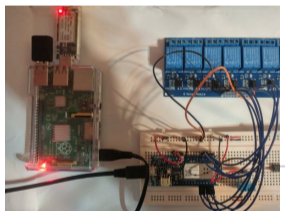
Domotic Greenhouse Electronic greenhouse controlled real-time, because the environmental conditions change continuously, so we need an efficient monitoring. Things used in this project Hardware components Arduino MKR1000 × 1 Arduino UNO &...

98.



Gestured Controlled Smart Home Not only this project has all the Smart Home features but it also includes MYO gesture control, allowing control of lights with your arm. Things used in this project Hardware...

99.



Home Automation System for a Camp with Cellular Internet Wouldn't it be nice if you could start warming up the camp before you leave the house? How about using Alexa to do it for you! Things used in this...

100.



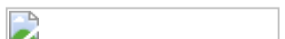
Did You Ever Want to Have a Video Doorphone? Recycle your old cellphone to build one and connect it by a browser to your new phone, PC or tablet! Things used in this project Hardware components Arduino MKR1000 ×...

101.



IoT Based Electricity Energy Meter using ESP12 and Arduino We all know about Electricity energy meters which are installed in everyone's house or offices to measure the electricity consumption. At last of every month, many of us get worried...

102.



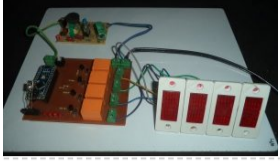
LinkIt™ Smart 7688 Smart Room This Project will demonstrate you to control & monitor your room through my custom designed responsive web app. Things used in this project Hardware components MediaTek Labs LinkIt Smart 7688...

103.

Simple Robotic Arm Project Using Arduino Nowadays, manual labor is being reduced at big scale industries and factories to increase efficiency and gain profit by installing robots that can do repetitive works. A onetime installation of...

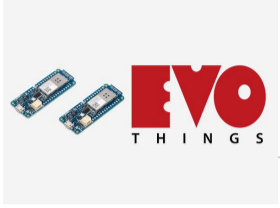


104.



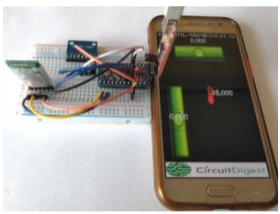
Project: Home Automation Using IR Remote Control Arduino-Remote Control Home Automation In this project, we are going to show you how to control home appliances using a TV Remote. This same principle can be applicable in offices...

105.



Create Mobile Apps for Android and iOS Connecting to the MKR This simple project shows how to make an app that controls an Arduino MKR1000 board with Evothings Studio by communicating over the TCP. Things used in this project Hardware components...

106. DIY Arduino Inclinometer using MPU6050 The MPU6050 is an IC 3-axis accelerometer and a 3-axis gyroscope combined into one unit. It also houses a temperature sensor and a DCM to perform a complex task. The...

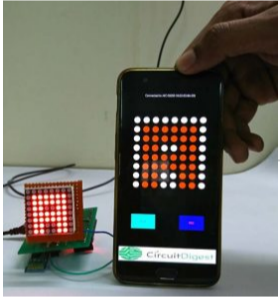


107.



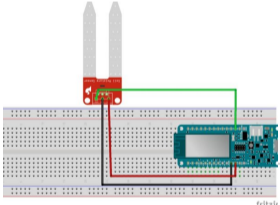
Voice Controlled LEDs using Arduino and Bluetooth Controlling LEDs with voice command seems to be a difficult task, but it's easy and you can quickly build it. We just need an Arduino UNO to serially communicate with...

108.



Bluetooth Controlled 8x8 LED Matrix Sign Board Display using Arduino Be it the long stretched highways or your doctors front door, we have sign boards placed everywhere to provide us information. But these sign boards are often boring and cannot...

109.



IoT System To Monitor Soil Moisture With Arduino This IoT system monitors the soil moisture using Arduino and sensors. Data are sent to an IoT cloud platform to access it anywhere. Things used in this project Hardware components...

110.



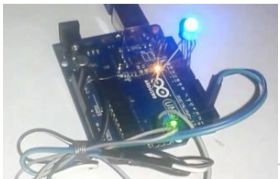
MKR1000 Surprise Room Decoration This project is dedicated to my parents, but you can also use it for surprise events for someone special. Things used in this project Hardware components Arduino MKR1000 x 1...

111.



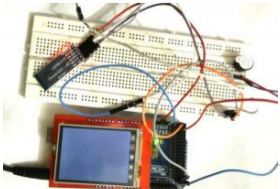
MKR1000 Universal Remonster! WiFi connected universal remote with smart phone webapp. Things used in this project Hardware components Arduino MKR1000 Arduino Nano R3 General Purpose Transistor NPN Triggers the PNP transistors of IR...

112.



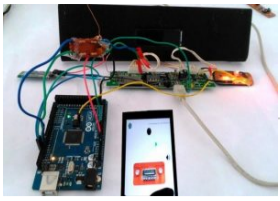
Controlling RGB LED using Arduino and Wi-Fi In last tutorial, we explained controlling a Robot using Wi-Fi and Arduino, and in this article we are with our next IOT Based Project- RGB LED Flasher using Wi-Fi. Here we have used...

113.

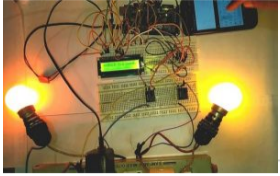


Smart Phone Controlled Digital Code Lock using Arduino There are many types of security systems used all over the world and Digital Code Lock is one of them. We have already covered many digital locks with simple 16x2...

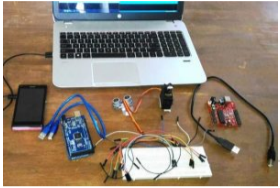
114. Smart Phone Controlled FM Radio using Arduino and Processing In this project we will use an existing FM radio which went repair a long time ago, to convert it into a Smart Wireless FM Radio controlled using Phone, with...



115. Smart Phone Controlled Home Automation Using Arduino Automation is the essence of today's world. Automation can make our life easy and secure. There are many ways to obtain automation. Automation can be achieved by Wi-Fi, IR, GSM,...



116. Arduino Radar System using Processing Android App and Ultrasonic Sensor This is an interesting project in which we explore the power of an Arduino and Android to create a Surveillance device which uses Arduino and Ultra Sonic Sensor to broadcast...



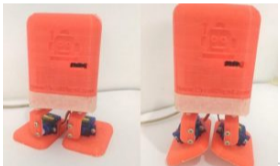
117. DIY Speedometer using Arduino and Processing Android App In this project we make a Cool Speedometer for bikes or any automotives by using Arduino which broadcast the speed using Bluetooth to an Android application that we created using Processing. The complete project...



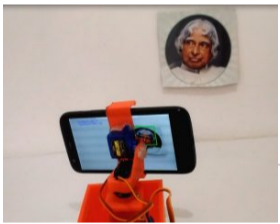
118. Virtual Reality using Arduino and Processing This is a very interesting project in which we are going to learn how to implement virtual reality using Arduino and Processing. For most of us, the movie Iron man...



119. Arduino based Bluetooth Biped Bob (Walking & Dancing Robot) Welcome to another project in which we will build a small Robot which can walk and dance. The project aims in teaching you how to make small hobby robots using...



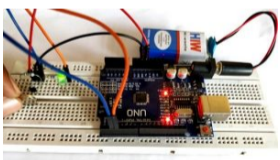
120. Real Time Face Detection and Tracking Robot using Arduino Ever wanted to build a Face Tracking Robotic Arm or Robot by simply using Arduino and not any other programming like OpenCV, visual basics C# etc? Then read along, in...



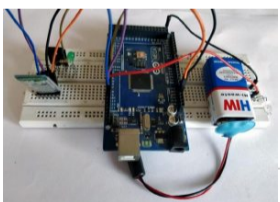
121. Automatic AC Temperature Controller using Arduino, DHT11 and IR Blaster An AC (Air Conditioner) which was once considered to be a luxury item and was only to be found in big hotels, movie halls, restaurants etc... But, now almost everyone...



122. Interfacing Hall Effect Sensor with Arduino Sensors have always been a vital component in any Project. These are the ones which convert the real real-time environmental data into digital/variable data so that it can be processed...



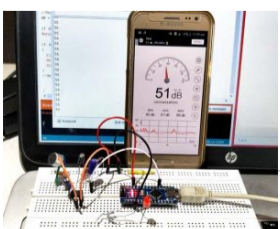
123. Cell Phone Controlled AC using Arduino and Bluetooth In today's modern world, where ever we go we have lots of electronic devices around us. But, out of all, there is only one device that we personally have in...



124. Connecting Anduino to IFTTT Connect your anduinoWiFi to IFTTT. Control everything around you, or 'let go' and let random events in cyberspace control your surroundings! Things used in this project Hardware components Arduino Due...



125. Measure Sound/Noise Level in dB with Microphone and Arduino Noise pollution has really started to gain importance due to high population density. A normal human ear could hear sound levels from 0dB to 140dB in which sound levels from...

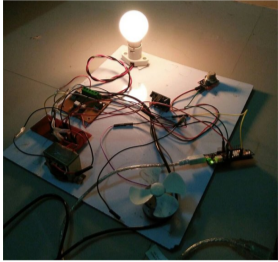


126. Robot using Arduino and Bluetooth Module (Obstacle Avoidance Robot) This project is designed to build a robot that automatically detects the obstacle on its path and guides itself whenever an obstacle comes ahead of it. This robotic vehicle

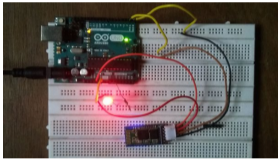


is...

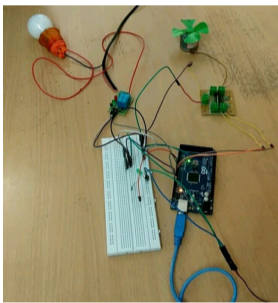
127. IOT based Home automation and Security system IOT has become huge trend in the last couple of years. With growing needs in connected devices many companies have shifted the attention to iot market. Today we are going...



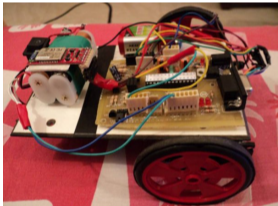
128. Bluetooth enabled Door locker using Arduino DIY Arduino based lockers can be found plenty in the internet where keypad was used to feed lock input. But this Bluetooth enabled Door locker uses Bluetooth as a medium...



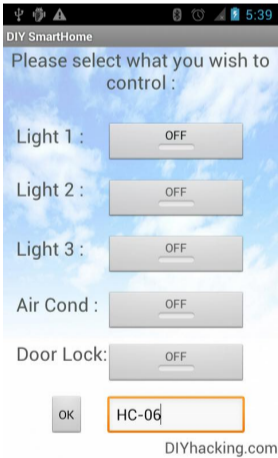
129. Voice controlled home automation using Arduino Ever thought of controlling your home using voice. If you are the one who fascinated it as I do, this project might help you do it for real. Voice powered...



130. Create an Android Controlled Robot Using the Arduino Platform Ever wanted to make an Android controlled robot or car? Control your RC car with a smartphone? Or wanted a tutorial about connected devices and getting started with it? Now...



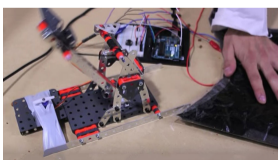
131. DIY Android Home Automation With Free Smartphone Application Ever wanted to make your home automated? Wanted to control the lights, fan, and other appliances from your smartphone? Or wanted a tutorial about connected devices and getting started with...



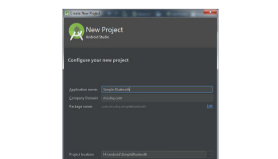
132. Bluetooth Basics: How to Control an LED Using a Smartphone and Arduino Ever thought of controlling any of your electronic devices with your smart phone? How about a robot or any other device? Wouldn't it be cool to control them with your...



133. Arduino Servo Catapult: DIY Catapult using Arduino Use an Arduino and a servo to shoot food to your cat! (Also works with other animals). Check out the video below to see how this Arduino Servo Catapult works. While maybe...





134. Simple Android Bluetooth Application with Arduino Example This article will detail how to make a simple bluetooth application using Android Studio and demo it using an Arduino to toggle an LED and send data back-and-forth. No prior...

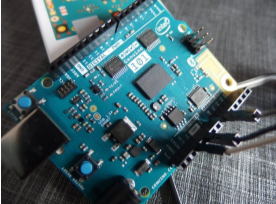


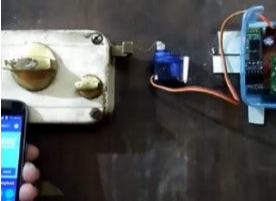
135. Track and Control Your Car Remotely Actually, many of us may suffer or afraid from being his car stolen. In this project, I will try to help you to protect your cars and even control them...





136.  Control a Parrot AR Drone with Linino Performing the control of the AR.Drone with the iOS or Android apps is really difficult. The controls are very unstable because the app virtual joystick hasn't a good sensitivity response....

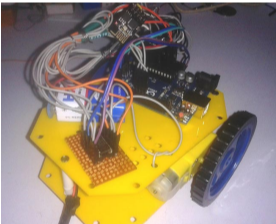
137.  Universal Remote Control The transmitter in the remote control handset sends out a stream of pulses of infrared light when the user presses a button on the handset. A transmitter is often a...


138.  Arduino 101 Curie iOS Pulse Sensor I want use the Genuino 101 by Intel and Arduino for a project that regards health, but I want to use all the characteristics of the Arduino 101. One of...

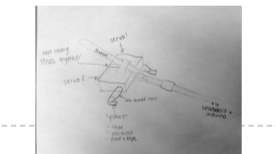
139.  Control Door Lock Remotely Using Smartphone Introduction Hi, friends. I came to this idea of controlling a door latch/lock remotely using a smartphone when I saw many people many times forget to carry latch/lock keys when...


140.  Voice-Controlled Robot Story Voice-controlled Robot Voice-controlled robot is both hardware and cloud solution in one piece. The main components are: 1. Alexa Skill - to interpret voice commands and translate them to...


141.  Bluetooth Controlled Toy Car using Arduino After developing few popular robotic projects like line follower robot, edge avoiding robot, DTMF robot, gesture controlled robot, etc. in this project we are going to develop a bluetooth controlled robo...


142.  WiFi Controlled Robot using Arduino There are many types of Robots, from the simple ones like a Toy car to the advanced ones like industrial Robots. We have already covered many types of Robots using...

143.  Using the Android Platform to control Robots The popularity of android devices is attributed to their powerful capabilities which include internet connectivity, open architecture, and several other kinds of built-in sensors. Students and other software developers are...

144.  Art-duino We built a mini-crawler robot that draws a path behind it to make interesting designs. We chose this design for a variety of reasons. First and foremost, we experimented with...

145.  Easy Bluetooth Enabled Door Lock With Arduino plus Android Thanks to everyone who supported this project and voted for it in the Arduino Challenge! I was awarded second prize and hope to participate in more Arduino contests in the...

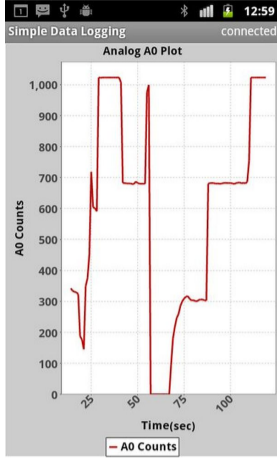
146.  Autonomous drone that you already have in your pocket! In this tutorial i want to learn you something, maybe change your mind. And make autonomous drones available for everyone. Simple question is: What do you need to make your...

147.  Arduino Lilypad powered shoes for the visually impaired Anirudh Sharma, an IT Engineer from Rajasthan Technical University has developed a system that offers non-obtrusive navigation for the visually impaired . Calling it Le Chal (Hindi for 'Take me...

148. FTDI Vinco USB Host/Device Development Platform – also for Android & Arduino FTDI has announced its commitment to supporting the Android Open Accessories initiative, thus allowing engineers to realize exciting new system designs that are compatible with tablets and smartphones utilising the...



149. [Simple Remote Data Plotting using Android / Arduino / pfordApp](#) Simple Remote Data Plotting using Android / Arduino / pfordApp This Instructable shows you how to plot Arduino sensor data on your Android mobile and capture it for later downloading...



150. [Arduino \(optic fibre\) I just brought a new lamp and after a week, I'm tired of looking at it randomly change colours between red, blue, green. What can you expect from a cheap...](#)



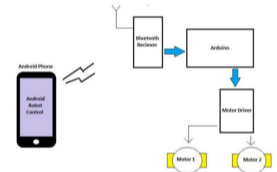
151. [Arduino 2.4 GHz Spectrum Analyser](#) This article describes a simple spectrum analyser for the 2.4 to 2.5 GHz Wi-Fi band. It's based on the Cypress CYWM6935 Wireless Radio Module. Although the manufacturer doesn't recommend it...



152. [Home Automation with Android and Arduino Yún](#) The Arduino Yún is a WLAN capable development board featuring an ATmega microcontroller, as well as a separate chip running a small Linux distribution, making it a perfect candidate for...



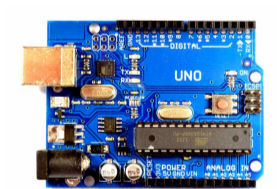
153. [Android Phone Controlled Robot using Arduino](#) The Android phone that stays in your hand most of the time is useful in many other applications apart from Whatsapp, Facebook; appliances; monitor your health parameters. How it would...



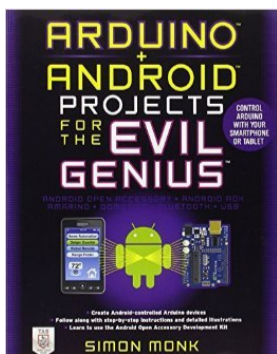
154. [ArduDroid: A Simple 2-Way Bluetooth-based Android Controller for Arduino](#) UPDATES October 30, 2013 - 7PM (GMT+2) The new official name for this app is ArduDroid and it can be installed from Google Play. I changed the name to avoid...



155. [Arduino Projects: Wireless Arduino](#) Long-time readers will know I'm not one to promote trendy marketing phrases and certainly 'Internet of Things' or 'IoT' is right up there with the best (worst) of them. But...





156. [Arduino and Android Projects for the Evil Genius](#) Since this book was written, Arduino 1.0 was released and Google has changed the Open Accessory standard a lot. At the start of December 2011 Arduino 1.0 was released. This...





157. [Android Arduino Communication through Modbus and Rs485](#) In this post I'd like to describe you a project I'm working on that consists of connecting an Android development board to one (or more) Arduino slave(s) using modbus protocol...





158.  Gesture control car(robot) with Arduino and Android(bluetooth) Hi folks, Here's an interesting project for all you creative minds out there. We are going to build an android phone controlled RC car. Nothing could be more fascinating than...

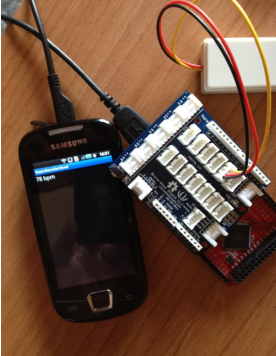
159.  Arduino based Bi-color LED Matrix Flappy Bird Game We have built quite a few projects using the Bi-color (Red and Green) LED Matrix Driver Module kits from jolliFactory and have published them as instructables here. Each of these...


160.  Bluetooth Controlled Robot In this proposed system we going to construct a basic DC motored robot which we are going to control with android app easily available on google play store named bluecontrol....

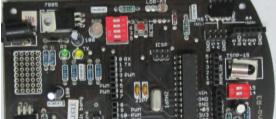
161.  Project Suite Bros: Voice Activated LED Friendship Photoset (Arduino, Bluetooth, Crafts) (and partner-in-crime, Abbie). Now, I'm off to the next stage of my life, so I decided to build this friendship photoset for Kevin and Briton to remember our golden era....

162.  Arduino Project 4: Enhancing your mini robot You'll need these: HC-SR04 – Get this ultrasonic sensor from eBay.com.au for \$2. SG90 Servo Motor – We've seen this servo selling for around \$4 on ebay. Motor drive shield...

163.  Arduino Fridge Magnet Do you have a habit of leaving notes on the fridge, now take it digital and add an Arduino to it. In this instructable I'm going to show you how...

164.  An easy way to send your heartbeat to the Cloud using arduino This cool (and very low price) sensor is attached on your ear and can detect your heart's pulse through transmitting infrared light and checking the absorption variation caused by the...

165.  Display Live Txts on Costume at Party w/ Scrolling LED Belt Buckle using arduino This project shows how to send SMS text messages to a cheap scrolling LED display via an Android app and arduino with USB host shield. The project was originally inspired...

166.  VOICE CONTROL CAR USING ARDUINO AND ANDROID Hello friends,Welcome to ElectroPLUS . This is a post to show how to make voice control car using arduino and android. COMPONENTS REQUIRED: 1.Arduino uno or Induino R3 board. Hello...

167. RoboBrrd using arduino RoboBrrd is an robot / animatronic character whose purpose morphs to mirror that of the virtual world. It is designed to be used as a tangible real world interface to...



168. An I²C Bus powered Arduino IO Expander Board controlled via Bluetooth and Android Today we'll expand Arduino's digital resources thanks to an I²C bus equipped shield and we'll allow the management of the board via a bluetooth connection RN-42 through an Android systems....

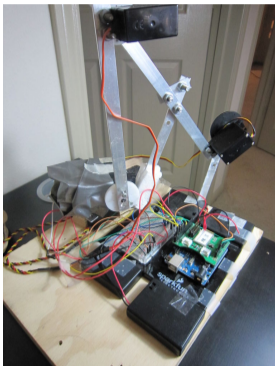


169.



High Power RGB LED Moodlamp which syncs with Philips Hue In this instructable the main focus lies on the software which I've created - not so much on the hardware side. You needn't to use a high-power led for...

170.



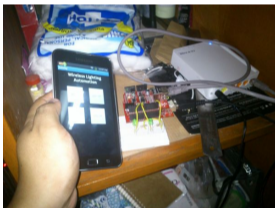
Bluetooth plus Infrared Controlled Robotic Arm Hi. I'm Darren a 17 year old hobbyist, and this is the first Instructable I'm posting here, so I apologize if it kinda sucks! I hope it's good enough... So...

171.



Intro to Arduino An Arduino is an open-source microcontroller development board. In plain English, you can use the Arduino to read sensors and control things like motors and lights. This allows you to...

172.



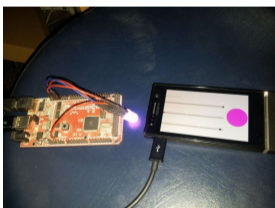
Arduino Based Automated Lighting Control This is my second instructable. i want to share some of the basic things i made using the arduino i am so busy lately. then i got the chance to...

173.



Remote Control Door – Internet Your Thing We can instantly open a door or control anything we can connect. It works from any iPhone, Android, or PC. After connecting something we want to control, download the free...

174.



ANDROID+ARDUINO+ADK+RGB led this is a project which makes an android app, then configure it to use it with android debug bridge or android accessory development kit. for making the android app we...

175.



Hack Your Hasbro R2D2 With an IOIO Microcontroller My wife bought me a Hasbro Interactive R2D2 Astromech Droid for my birthday a few years ago after I said how much fun it would be to hack it and...

176.

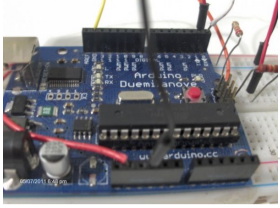


4 Servo drive CellBot which can be remotely controlled using Arduino I started with an idea of what I wanted to do from the beginning but one attempt after another I finally got to where I am now. This robot can...

177. BOXZ BOXZ is is an open source robot platform for interactive entertainment! We connected Arduino,Plexiglass(or cardboard) Origami and your idea together, so we can easily and quickly build a remote robot...



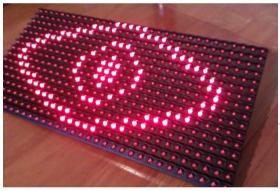
178. Use your android phone sensors on the arduino Hello, this is my very first step-by-step instructable, and today, we're going to learn how the sensors in your android smartphone can communicate with your arduino. In modern smartphones, there...



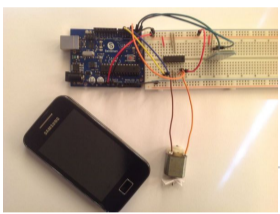
179. How I'm building my bi-copter with Android and Arduino Last year I was fascinated by the "How to build your own Quadrocopter" by Lenz Grimmer and decided that somehow I should try to do a similar thing. This talk...



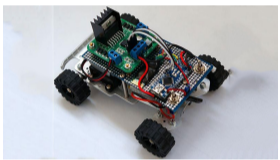
180. Motion Sensing Eye using arduino I have always wanted to make something with my LED dot matrix display, and so when I found a old alarm motion sensor I knew just what to make, a...



181. Arduino Control DC Motor via Bluetooth Hi guys, In this project we will control a DC motor with a smartphone via bluetooth. This project is great to learn more about: -DC motor -Interfacing Arduino with your...



182. Simple RC car for beginners (Android control over Bluetooth) This is a simple project of Android Bluetooth Car with Bluetooth control. Arduino controller is used To control the car used Android-device with a built-in accelerometer. Tilt forward - car goes...



183. Making Robots Using Android and Arduino udar Muthu gives a talk on Making Robots Using Android and Arduino at Droidcon India 2011 by HasGeek.



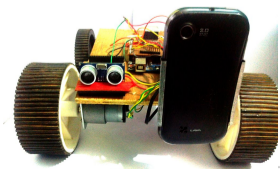
184. Scratch 4 Arduino and Cybot Control (Rover basics) I've had a couple of Cybots as well as the Tom robots for a number of years - every so often they get dragged out and tinkered with. Now is...



185. Arduino MicroControllers, Card Readers, 3D Printing, GS4, Flip Camera! Episode 3 of AndroidTec, Formed by members thamind (Jon) chaotic (Lewis) & Computer Whiz (Jim) and introducing GuyCothal, who discusses about the amazing abilities of Arduino micro controller boards and...



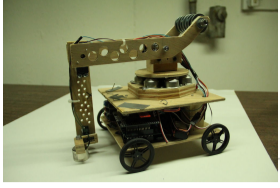
186. Arduino Robot V2 (Fast) Also Voice Controlled This is my second version of my arduino robot after "Build your first robot". My Second version is slightly complicated as compared to my first one but offers better features....



187. Bacon Alarm Clock – Arduino This is a project I came up with that was inspired by my love for bacon! This is an alarm clock that is designed to wake you up with the...



188. Robo-Mobile – A Homemade Bluetooth Robot using arduino Background This robot is one I built to learn. Before this project I did get my feet wet with a few small scale Arduino projects like an ultrasonic robot, (that...



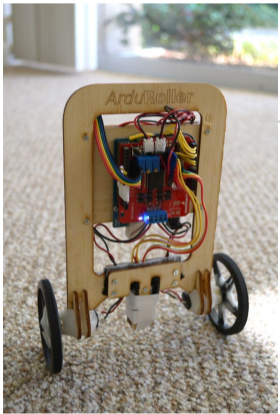
189. Smartphone controlled Arduino tank using Annikken Andee Hi guys, I am Robin, one of the developers of Annikken Andee. Just a few weeks back we were invited to be a part of Arduino Day Singapore 2014. On...



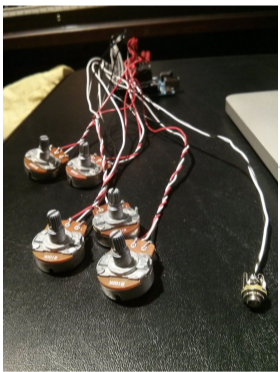
190. ANDROID BASED ROBOTICS While the field of robotics is continuously expanding at a remarkable rate and better performing robots are created every year, robotics still remains out of reach for many students and...



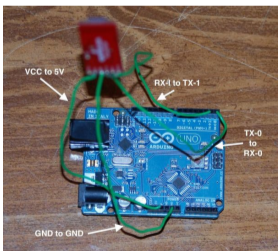
191. ArduRoller balance bot Caveat Emptor: (I don't want to put you off building one but I also don't want you to be disappointed.) This Instructable is now 2 years old. Many of the...



192. Using Mozzi Library with 5 potentiometers using arduino Getting Started The goal of this project was to create filters and controls to that can manipulate sound that is being generated through an Arduino. Normally Arduino can only generate...



193. Control Keyboard & Mouse Android app via Arduino This instructable will show you how to control your computer's keyboard and mouse with an Android app via bluetooth to an Arduino BACKGROUND Ever wanted to control your computer's mouse/keyboard...



194. Android Accessories Made Easy With Arduino The Android Open Accessory Protocol makes it possible for you to create custom Arduino-based accessories for your Android phone or tablet. Attend this session to learn how to get started,...



195. Happy Androids with Arduino Video instructions Arduino + Android Normally smartphone events are tightly coupled to your phone device itself. When your cell phone is ringing, your phone speaker plays a ringtone. When you get a...

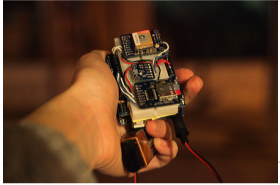


196.



Hack an old iPod using an Android and an Arduino This tutorial shows you how to use an Arduino to turn that old dusty music player into a Bluetooth controlled docking station. Even if it has a cracked screen or...

197.



Darkness Map Data Collection Device The Darkness Map encompasses both data collection and visualization of nighttime light levels. You can add to the map by downloading the app for iPhone or Android, but you can...

198.



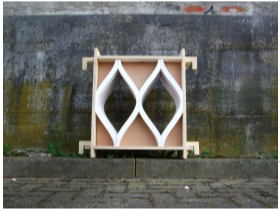
Aergia: Android controlled TV Remote(with Speech Recognition) using Arduino Have you ever faced this situation while sitting on your favorite spot on the couch or recliner, comfortably watching your favorite TV program? You're snugly tucked under the blanket, the...

199.



Arduino ADK LED Lighting Have you ever wanted to control electronics with your smartphone? The Arduino ADK (Android Development Kit) is the Arduino Mega with a built in USB host device, ready for your...

200.



SmartMesh – Arduino and Android Controlled Pneumatic Facade This project was part of Multimodal Media Madness 2014, hosted by the chair for Computer Aided Architectural Design (CAAD) and the Media Computing Group of RWTH Aachen University. For more...

201.



DIY Android Home Automation Box Here's a little show and tell of my Android controlled home automation box. It's a small extension box that's controlled by an Android smartphone. You can turn the individual outlets...

202.



iAndroidRemote – Control Android mobile using an Apple Remote I love to integrate devices which are not supposed to be integrated and this guide shows you how you can control an Android mobile using Apple's Remote. (Who said Apple...

203. Hacking my RC Car using Arduino and Android Smart Phone Have an old toy car? I hacked mine using Arduino and an H bridge circuit to control the motors, used my Sony Z1 Android phone to control it with the...



204.



DIY navigation device for blind people using Arduino and Android smart phone In this project you can cover your eyes and let your smartphone navigate you to avoid obstacles, the application is mainly a DIY navigation device for blind people. I knew...

205.

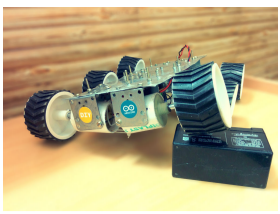


RC tank with a moving FPV camera using Arduino In this instructable I show you how to build remote control tank with FPV camera. At the beginning I build only RC tank without FPV camera but when I was...

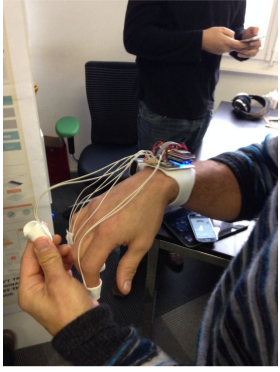
206.

Six wheeled All Terrain Vehicle (6WD) using Arduino Hello, In this post we'll be making a Six wheel drive all terrain vehicle (ATV). These are rare and hence expensive robots (at least in India). I made this

ATV...



207.



Gravity Touch bluetooth glove using Arduino Hey guys! I'd like to share with you the input device I created specifically to interact with AR glasses like the Google Glass, Meta, Moverio BT or with the VR...

208.



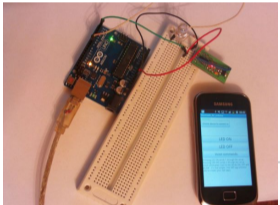
How to build an Arduino WiFi 4x4 with Android Controller RC cars can be WiFi Cars...? RC cars are cool, but cheap RC cars have limited range and can only be controlled with the particular controller that was included with...

209.



GoFly - paragliding/hangliding/gliding altimeter-variometer from Your car navigation using Arduino GoFly is a project based on PNA (car navigation devices with Windows CE), LK8000 tactical flight computer software and variometer (altimeter) external input based on Arduino board and pressure sensor....

210.



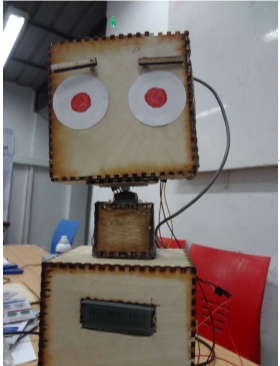
How to control arduino board using an android phone and a bluetooth module In this tutorial you'll learn how to use a bluetooth module and MIT's app inventor to create a wireless serial link between an android phone and an arduino board. Here...

211.



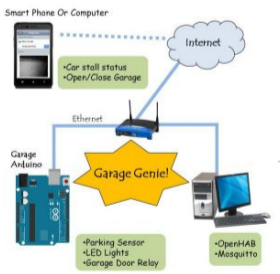
Arduino Bluetooth Serial Connections This is an introduction on how to setup, make a basic connection, and send data to and from an Arduino using Bluetooth! Bluetooth is great for transmitting data over medium...

212.



DIY a Spelling Game with an Interactive Robot using Arduino Did you hear before about Social Robot? Did you see the Pepper Robot or Jibo robot? These kinds of robots that can hear you, understand you and make a...

213.



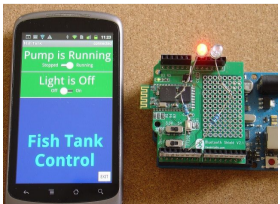
Garage Genie - Parking & Remote Control using Arduino The Garage Genie Parking & Remote Control is a car automation Arduino gadget. Click on the two images above to see the animated explanation. It aims to do a few...

214.



Big Ball Maze Game using Arduino This project was the result of an urge to contribute something to the Creative Games section of my kids' elementary school fair. The kids loved it for it's simple old-school...

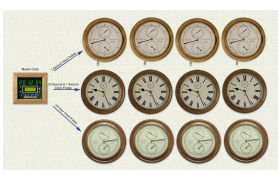
215.

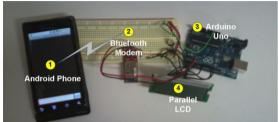



Code generator for custom Android or Arduino menus Introduction This is the first of two instructables that make up a complete customizable Home Automation for Beginners example. See DIY Home Automation for Beginners for the second part. It...


216.

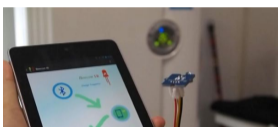
DCF77 master clock MK2 Features Arduino 328 Microprocessor is used to decode and display Time & date from the DCF77 "Atomic" Clock in Mainflingen near Frankfurt Germany The DCF77 signal is decoded using the...





217.  Android talks to Arduino board This project slightly modifies the Google Android sample app called "Bluetooth Chat" so you can type a message in the Android app and that same message will appear on an...


218.  Hercules: The Motion Controlled Android Robot using Arduino When I was in the 8th grade, I was intrigued while playing the motion games on Nokia 5800. I was thrilled, how I could control the racing car by only...

219.  Android-Controlled Pneumatic Cannon Powered By Arduino Every summer, Qualcomm hosts a Battle of the Schools competition, which gives employees the opportunity to represent their home universities. This year, entries were to be homemade contraptions, and they...

220.  IR Remote Agent using Arduino Remote control is almost a standard accessory for most home applications, like TV, Hi-Fi, air conditioner and so on. Though remote control brings us leisure, when you really need it...


221.  Making Music with Makeblock Makeblock is an aluminum extrusion based construction system that provides an integrated solution for aspects of mechanics, electronics and software design. With Makeblock you can make professional robots, toy machines...


222.  The LED Blinky ball using Arduino Update: I'll add some clarifications after reading comments on various forums. It doesn't need a 70Mhz ARM CPU, all it does is shift bits into a shift register, that'd be...


223.  Hexapoduino: tiny hexapod 3D printed, Arduino controlled A few time ago, i found out a 3d printed Micro-Hexapod on Thingiverse. I started to work on it in the following ways: - create new accessories/components 3D printable - explore...

224. Control Android mobile by an Apple Remote using Arduino I love to integrate devices which are not supposed to be integrated and this guide shows you how you can control an Android mobile using Apple's Remote. (Who said Apple...



225.  Localizer with SIM908 module using Arduino The device is based on a GSM/GPRS module with included GPS. Its main function is to detect and communicate its own geographical position using, on the choice, the cellular phone...

226.  Easy Bluetooth Enabled Door Lock With Arduino + Android Thanks to everyone who supported this project and voted for it in the Arduino Challenge! I was awarded second prize and hope to participate in more Arduino contests in the...

227.  Beginners guide to building Arduino robots with Bluetooth and Android In this tutorial we are going to go over building a Arduino robot that can be controlled via bluetooth with an Android phone/tablet. This is a beginners guide that is going to briefly go...