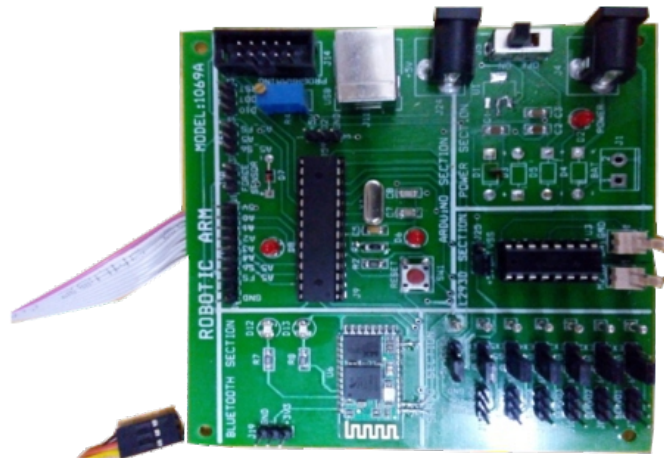


# ARDUINO-UNO BLUETOOTH DEVELOPMENT BOARD



## INTRODUCTIONS

- The arduino -bluetooth is a microcontroller board based on The atmega328.it has 14 digital input/output pins (of which 6 can Be used as pwm outputs), 6 analog inputs, a 16 Mhz ceramic resonator, And a reset button. It contains everything needed to support the microcontroller;
- Simply connect it to a computer with a usb cable or power it with a ac-to-dc adapter Or battery to get started. It has bluetooth on board so this board can be Applied to android applications and wireless applications

## SPECIFICATION

- Microcontroller ATmega328
- Operating Voltage 5V,2A
- Digital I/O Pins 14 (of which 6 provide PWM output)
- Analog Input Pins 6
- DC Current per I/O Pin40 Ma
- DC Current for 3.3V Pin 50 mA
- Flash Memory 32 KB (ATmega328) of which 0.5 KB used by bootloader
- SRAM 2 KB
- EEPROM 1 KB
- Clock Speed 16 MHz
- Communication U S B 2.0 ,BLUETOOTH

## COMMUNICATION

- On board Bluetooth(7,8)PINS is used to have wireless communication .for ANDROID APPLICATIONS,AND WIRELESS MATLAB AND LABVIEW CONTROL.
- The Arduino Uno has a number of facilities for communicating with a computer, another Arduino, or other microcontrollers. The Atmega 328 provides UART TTL (5V) serial communication, which is available on digital pins 0 (RX) and 1 (TX).

## MOTOR DRIVER

- Motor Driver To Drive Dc Motor For Driving Robots Or Conveyer
- Driver To Drive Dc Motor For Driving Robots Or Conveyer
- Belt Or To Operate A Relay It has A On Board DC .