

BLUETOOTH BASED PASSWORD CONTROL DOOR LOCK

AIM:

Design and Development of Bluetooth based password control door lock.

PURPOSE:

Now a day's doors and windows are manual control and anybody can access. Here we can control door by password. This password needs to give from Bluetooth app. The main purpose of this system is that it doesn't have any keypad to touch, users can give password from smart phone android APP. Here we propose solution like Bluetooth based password control door lock using Arduino.

DESCRIPTION:

This project includes Bluetooth (HC-05) module, which is connected to Arduino through UART interface. Dc motor connected to Arduino digital pins through l293d H-Bridge.

WORKING:

Here we can control door from android Application. User has to install Application in his mobile. Here there are two password for door control. One is for door open and second one is for door close. For wrong password buzzer will be ON. Password status will displayed on 16X2 LCD display.

TECHNICAL SPECIFICATIONS:

HARDWARE:

Microcontroller	:	Arduino Uno
Crystal	:	16 MHz
LCD	:	16X2 LCD
Bluetooth	:	HC-05
H-Bridge	:	L293D
Door	:	CD drive slider
Buzzer	:	5V DC
Power Source	:	12v 2 amp Adaptor

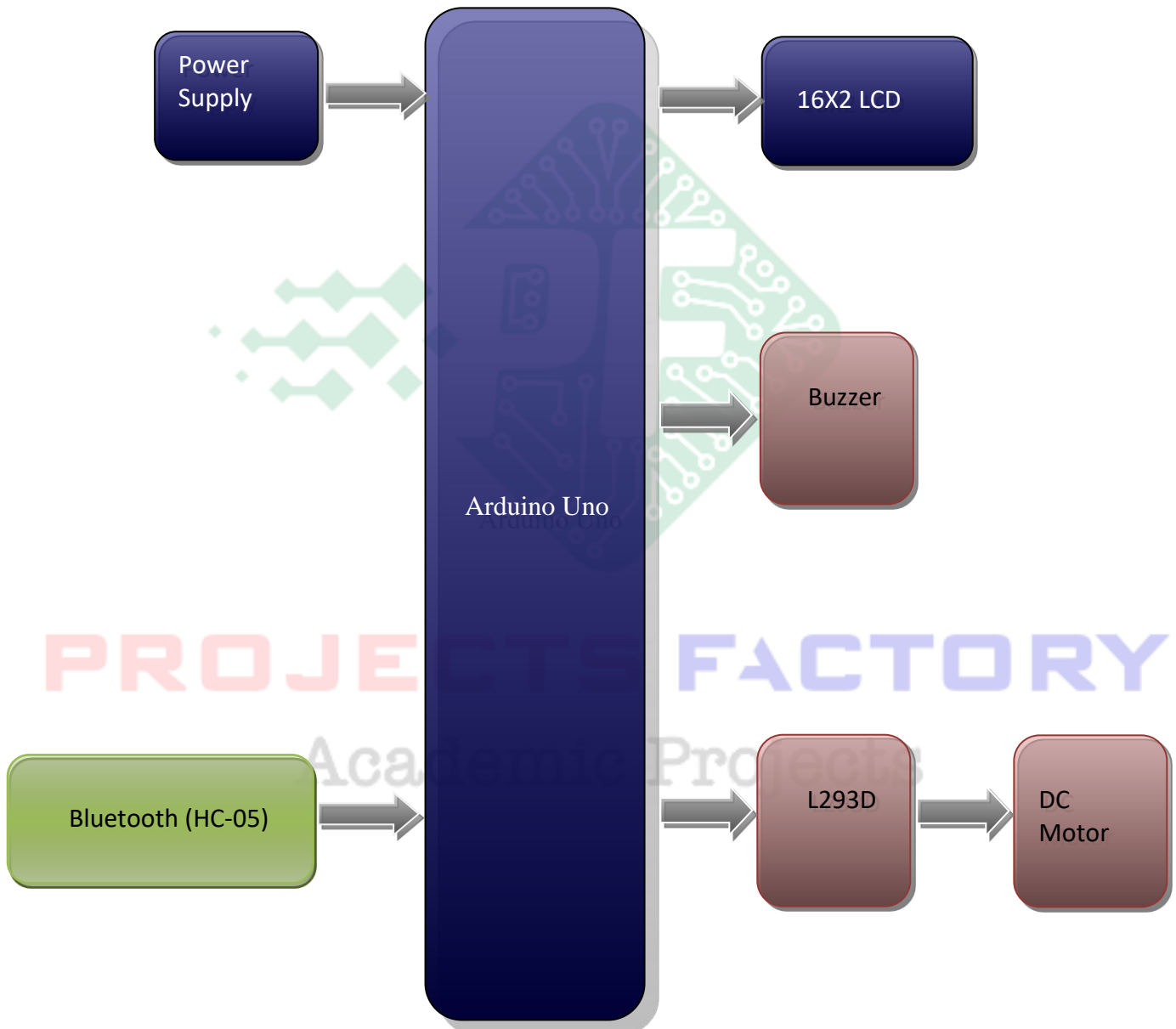
SOFTWARE:

Arduino IDE
Proteus based circuit diagram

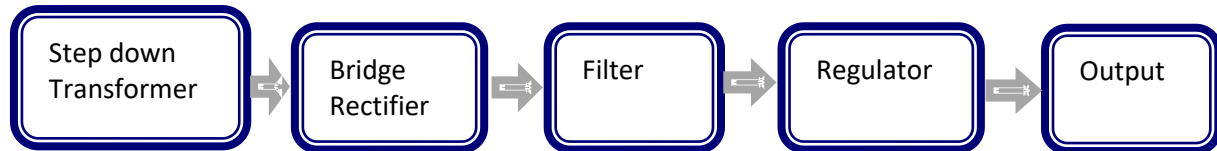
APPLICATIONS:

- Commercial Applications
- Industrial Applications
- Office Applications

BLOCK DIAGRAM:



POWER SUPPLY BLOCKDIAGRAM:



INTERFACES COVERED:

- We have covered Bluetooth (HC-05) module interfacing
- DC motor and L293d H-bridge interface.



PROJECTS FACTORY
Academic Projects