**Password Protection with PUSH Buttons**

**Using Arduino UNO**

**Description:**

This Project is to design a system using **Arduino UNO** containing **push button** as keys from **0-9 Numbers** which are inputs for Arduino when user enters **Correct password** using push buttons then **Green LED** need to **ON** and **Welcome** message will be displayed in **LCD display**. If user enters **wrong password** then he can attempt another time. If the number of attempts **exceeds** more than **3 times** then **buzzer** need to blow and **warning message** will be displayed in **LCD display** and **Red LED** need to **ON**.

**Block Diagram:**

Push Button 1 (0)

**LCD Display**

Push Button 2 (1)

Push Button 4 (3)

Push Button 3 (2)

Push Button 5 (4)

**Buzzer**

Push Button 6 (5)

Arduino UNO

**Green LED**

Push Button 7 (6)

Push Button 8 (7)

**Red LED**

Push Button 9 (8)

Push Button 10 (9)

**Inputs and Outputs:**

|  |  |
| --- | --- |
| **Input** | **Output** |
| 1. Push Buttons (0-9) | 1.LCD Display  2.Red and Green LEDs  3.Buzzer |

**Flow Chart:**

