

Keypad-Based Security System using Arduino

This project is a **password-protected security system** using an **Arduino**, a **4x4 keypad**, **LEDs**, and a **buzzer**. The user must enter a **4-digit passcode** via the keypad.

- ✓ **Correct password (6556)** → Green LED turns ON, buzzer beeps, access granted.
- ✗ **Incorrect password** → Red LED stays ON, buzzer sounds an alarm.
- ⌛ **System resets after each attempt**, allowing new passcode entry.