|  |
| --- |
| **HIGH LEVELrequirement** |
|  |  |
|  | * AtMega328 microprocessor - A processor is ued to controlling all the Unit in Security System i.e Door and piezo sensor and also led and Buzzer that is connected in Security controlling room. |
|  |  |
|  | * 5Volt Voltagesource - to power the ckt. |
|  |  |
|  | * LED - will be in controlling room. |
|  |  |
|  | * Switch- act as a Door passcode opreated. |
|  |  |
|  | * Push switch - act as a Piezo sensor. |
|  |  |
|  |  |
|  | **LOW LEVEL Requirement** |
|  |  |
|  | * voltmeter - to check voltage across ckt in simulation. |
|  |  |
|  | * resistor 100ohms. |

**Swot Analysis**

**Strengths**

* Easy to understand the application and use it.
* Totally automated dont have the manually switch .

**Weakness**

* Piezo Senor need pressure to applied at proper pt , .

**Opportunities**

* Used In Homes,Offices,High Buildings

**Threats**

* Other sensors can be used which have greater efficiency than Piezo sensor.

## 4W's & 1H

### Who

* Can be used by Security agencies

### What

* This is a SecuritySystem thatcan be used for Secure walt or confidential oom

### When

* When there is need of high security system

### Where

* Used In Homes,Offices,High Buildings.

### How

* Developed using AVR based ATMEGA32 and implemented on SimulIDE.