***Requirements***

**Functional Requirements :**

1 – Open a device from the board.

2 – Close a device from the board.

3 – Add a new device to the board.

4 – Remove a device from the board.

5 – Add a new member to the board.

6 – Remove a member from the board.

7 – Enable & Disable the electric current flowing in home appliances.

8 – Give Alarms or warning notifications in emergency cases such as fire or failure in some devices.

9 – View the board status and the status of each device.

10 – Take Some action automatically in emergency cases.

i.e: Cut the electric current or disable all the appliances of the home.

**Non-functional Requirements :**

1 – Member can send a Request for the admin to add a new member / device.

2 – The board should be secured by making an account for each member .

3 - Compatibility with old versions of Operating Systems.

4 – The application can as a mobile app and web app.

5 – The system should deal with emergency cases by taking some action in less than one second.

6 - The response of the application to the user requests should be in atmost one second.