Project Specification

To have a fully automatic home automation system .Depending on the temperature switching on /off of three devices in the room ,the devices are AC,Heater,Fan.

In the beginning when the application is turned on it senses the room temperature of the room and accordingly turns on the suitable devices inorder to maintain the room temperature in desirable range mostly around 26 to 28.

When the Temperature of the Room is less than 21 then the application waits for a while and switches on the heater. If the temperature is between 21 to 28 the Fan is kept on and both the AC,Heater are turned off. If the temperature is above 28 the application will wait for a while and switch on the AC .

There are three signals HIGH,MED,LOW when the temperature is below 21 the LOW signal is emitted to allow heater code to get activated, When the Temperature is between 21 and 28 the MED signal is emitted which allows the FAN CODE to get activated, when the temperature is above 28 the HIGH signal is emitted which allows the AC CODE to get activated