Offline Home Automation

**Product Survey:**

On the basis of availability of product n similar genre, we have conducted a survey to analyze the problems those products did not fulfill and try to make our project appropriate to meet them as much as we can.

*Product Comparison 1: KNX system Commercial lighting control*

This product is completely online and internet based and here the problem would arise if there is a connectivity cut. Also this product is inappropriate for remote areas.

Our project being completely focused on Offline mode will enable this to be used irrespective of network status.

*Product Comparison 2: Smart Touch Panel For Home Automation*

This project does depend on internet but is also having an Offline mode in which it ca be used. However, this project is completely targeted for extreme sophisticated users only with a very prime price.

Our project would be extremely cost efficient even when this is done in the real world.

*Product Comparison 3: SMART HOME*

This project does everything very effectively except for the brightness control feature. It does not allow user to control intensity of the appliances.

Our project would allow users to control the brightness and speed (for fans) of all devices. Also this would allow us to control appliances of different rooms as well. For prototype that we are building as of now would incorporate 3 LEDs representing 3 appliances of each room. Here we would be using 9 LED’s to represent each room.

*Product Comparison 4: WIFI BASED HOME AUTOMATOR*

This project does not have a memory. Thus, the problem here is, in case of any power cut, all the past states of the appliances vanishes and we would need to configure them again.

Our project also has a provision to remember the previous states of the appliances and automatically syncs the website with the appliance status soon after the power is back.

This survey is conducted by Group 14 members:

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