TEAM-1

PROJECT ABSTRACT:

Our project is Mobile controlled home lights on/off with Intensity control.

Components required for the project:

Ardino UNO r3   — ₹500/-

Bluetooth Transceiver Module (HC 05) — ₹400/-

Jumper wires   — ₹100/-

LED Bulb   — ₹200/-

Bread board   — AVAILABLE IN CFI

Why this project is choosen:

This project is choosen because, it is an easy way of controlling home lights ON/OF by operating from mobile itself. It can decrease the week of humans so that they can't walk and switch ON/OF lights. From the place where they are sitting itself, They can operate from their respective mobile phones. If we are new to the room, we often find it difficult to locate the switch. Most of the times, many of us forget to

switch of the light while leaving the room in which we stay most of the time. This results in unnecessary power wastage. Therefore, an automatic mobile control can turn on when the person enters & turn off when the person leaves the room. So, this project is choosen.

Day to Day applications of this project:

* control multiple lights simultaneously from a single button with powerful scene.

* Monitor electricity usuage, configure alerts when appliances turn on and turn off.

* connect your thermostat to the internet and you can remotely adjust the temperature from your smartphone.

* Add sunrise and sunset timers to your hard avet and landscape lighting.

* Save energy with some of your home's biggest energy users by scheduling & controlling larger 220v appliances.