

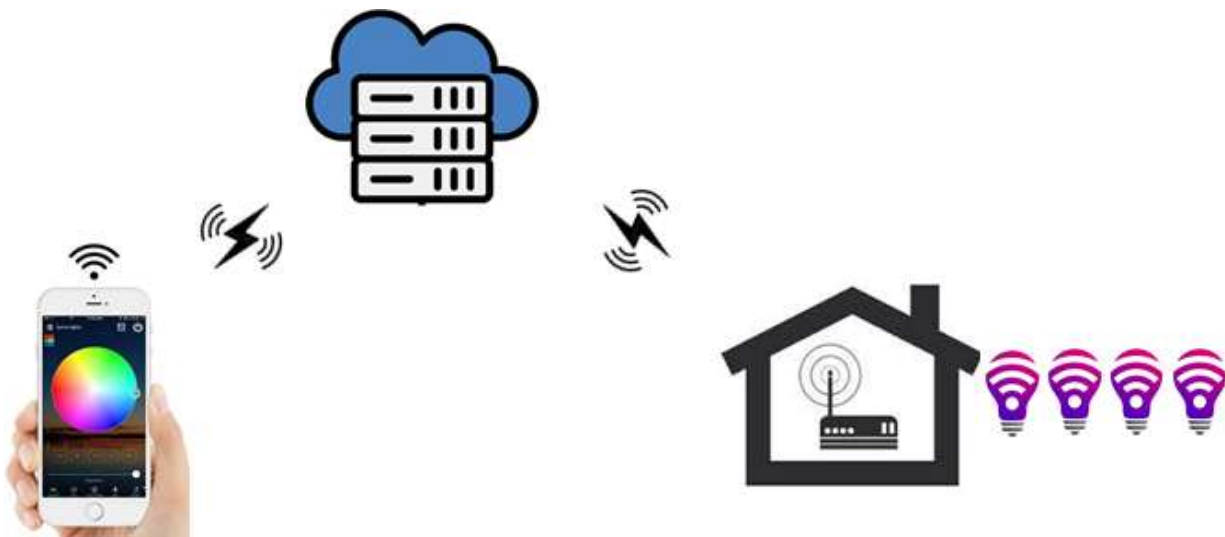
IoT Based Smart Light – A case study

LED color displays are used at various places and are very popular for functions, parties, etc. However the colors in those cases are fixed and are not programmable or changeable. Changing the color combinations and ability to program them can be accomplished with proper electronics for such systems. Internet of Things (IoT) allows users to control the devices through the internet from any place in the world, our design provides a means of controlling the LED light from anywhere and at any time.

Aashaya Group of companies has successfully built the IoT based LED Controller which can change the color displayed and do certain other functions at very low power consumption along with complete online control. Using an Android smartphone application, which was developed by ADS, the LED light can be controlled from anywhere in the world and the color's can be easily chosen and displayed. The LED light comes in 9W, 11W, 18W variations.

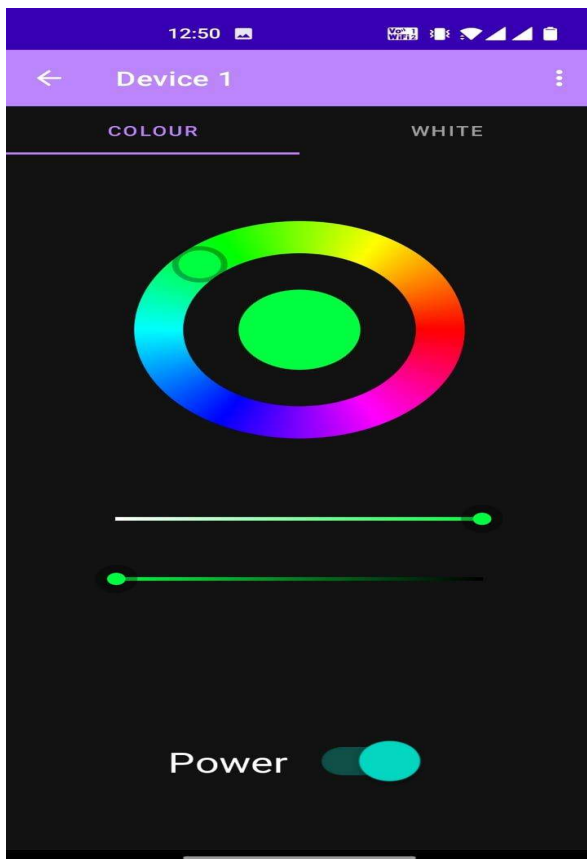
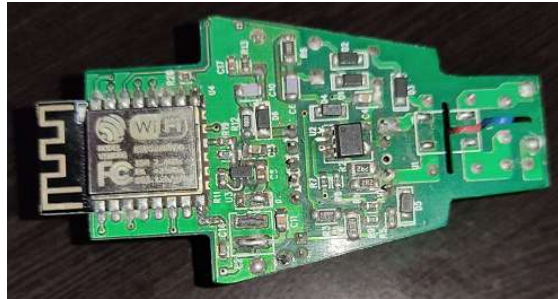
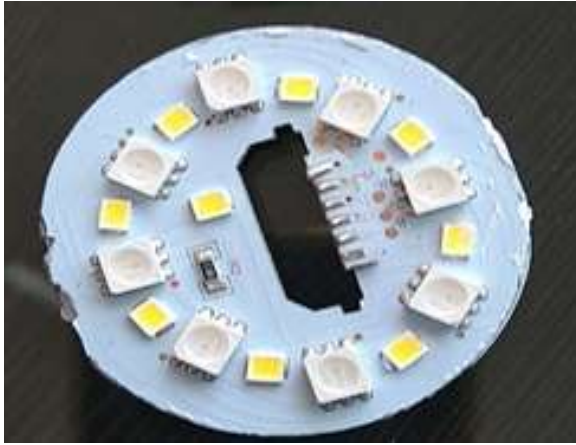
Further in a home, there can be multiple rooms/locations where these LED lights could be connected, there could be one to four LED lights in each room, each can be individually controlled through this application and are programmable for certain time of ON/OFF so the home can be in a way secure and provide a deterrent.

A simple block diagram of the system is shown below.



AASHAYA GROUP OF COMPANIES

The sample design picture and Android App screen is represented below:



For any further queries, please contact us at 99010-23235