**ABSTRACT**

With advancement of Automation technology, life is getting simpler and easier in all aspects. In today’s world Automatic systems are being preferred over manual system. With the rapid increase in the number of users of internet over the past decade has made Internet a part and parcel of life, and IoT is the latest and emerging internet technology. Internet of things is a growing network of everyday object-from industrial machine to consumer goods that can share information and complete tasks while you are busy with other activities.

Wireless Home Automation system(WHAS) using IoT is a system that uses Smart Assistants Like Google Assistant and Using messaging services like Facebook Messenger to control basic home functions and features automatically through internet from anywhere around the world, an automated home is sometimes called a smart home. It is meant to save the electric power and human energy. The home automation system differs from other system by allowing the user to operate the system from anywhere around the world through internet connection.

**DESCRIPTION**

The aim of this project is to automate the task of turning on and off electrical devices. These range from everyday devices like lights and fans to heavy machinery like washing machines

The automation helps the user save some valuable time and gives control over the devices at their fingertips.Since it is connected over the internet the devices can be controlled remotely too

It will especially benefit the elderly and disabled who cannot move around easily

It also helps to prevent to save power and ultimately reduce the bill generated

TECHNOLOGY STACK

* Arduino IDE
* ESP8266 drivers
* IFTTT
* ChatFuel
* AdaFruit
* Google Assistant / Facebook Messenger
* NodeMCU - CP210X

REPRESENTATIONAL DIAGRAM

