

TITLE :

ENERGY EFFICIENT HOME AUTOMATION SYSTEM



ABSTRACT

Advancement in IoT based application has become the state-of-the art technology among the researcher due to the availability of Internet everywhere. To make the application more user friendly, web based and android based technologies have gained their importance in this cutting edge technology. In this paper, smart energy efficient home automation system is proposed that can access and control the home equipments. For this system, Internet connectivity module is attached to the main supply unit of the home system which can be accessed through the Internet. For wireless connectivity, the static IP address is used.

Home automation is based on multimodal application that can be operated using voice recognition command of the user using the Google Assistant or through a web based application. Thus, main objective of this work is to make our home automation system more secure and intelligent.

OBJECTIVES

- 1) Provide remote access for controlling home appliance
- 2) Save power consumption of appliances.
- 3) Users can control home appliance using web based interface.

BENEFITS FOR SOCIETY AND ENVIRONMENT

- 1) Power saving is one of the objective of this project which will definitely benefit the society
- 2) A helping hand for the old age and differently abled person