

SMART SUPERVISOR FOR HOME USING IOT

INTRODUCTION:

In past years, we don't know who were standing Infront of the doors like unknown persons. But now, with the help of cameras we should know who is standing Infront of the doors and what is happening Infront the door, even if the user is moving from one place to another place. With the help of IOT development tools, we can capture the persons images and videos of the particular person which is stored in cloud platform and give the alert messages to mobile application. The main advantage is used in security purpose and another advantage that it offers privacy on both sides since it is viewed by only one person and

receives the alert message.

PURPOSE:

By this project one can able to see who is standing Infront of the door at anywhere and anytime with the help of alert messages.

EXISTING SYSTEM:

In these past years, it captures images and videos which stores in cloud platform without giving any alert messages to the controller.

PROPOSED SYSTEM:

In the proposed system we can capture the images and videos which are stored in database cloud platform and give the buzzer alert messages to the mobile

application.

HARDWARE AND SOFTWARE DESIGNING:

While designing this project, the code should be written in python idle file the output generated will be stored in IBM cloud services. The data send to mobile application which is developed by MIT app inventor. Node-red, etc., are software tools which are used in it.

ADVANTAGES:

Smart home technology generally refers to any systems that connect into a common network that can be independently and remotely controlled. When home technology works together in one system, it can also be referred more

loosely as a “connected home” the cameras are connected into a common system, which can be controlled by smart phone through a MIT app inventor. The person who is standing Infront of the door it captures the images and send the buzzer alerts to the mobile application.

DISADVANTAGES:

Cost is very expensive and takes internet reliance, setup configuration and requires more technical threats.

APPLICATIONS:

These are used in smart houses.

CONCLUSION:

Thus, we have designed a smart supervisor system capable of capturing images and videos. It is advantageous as it offers reliability and privacy on both sides. It is authenticated on the receiver; hence it offers only the person concerned to view the details. Necessary actions can be taken in short span of time in case of emergency conditions.

FUTURE SCOPE:

It is to locate the number of persons located exactly standing Infront of the door so that accurate information can be obtained on the receiver side.