Abstract

The purpose of this paper is to use a common day-to-day object and transform it into an intelligent device using a raspberry pi module. This results in a smart mirror which is an embedded device with artificial intelligence. The framework to be developed will have face recognition for authentication and security purposes, given the increasing demand for protection of user attributes and profile. Further, the mirror will respond to voice commands and display weather updates, news and maps on the screen. This is analogous to Alexa of Amazon, Cortana of Microsoft and Siri of Apple. This device has a wide reach and can be employed in advertising and marketing. It has important applications in the automotive industry as it can be used in place of a rear-view mirror to display important data to the person driving the car.

References


Index Terms

- Computer Science
- Artificial Intelligence

Keywords

Artificial intelligence, framework, authentication, advertising