IoT Based Smart Shop

(Smart Shop)

By

Muhammad Umair Iqbal
01-133152-091

Muhammad Bilal Paracha
01-133152-063

Supervised by

Dr. Junaid Imtiaz

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Abstract

Application of various engineering domains are helping human beings for a long time. Robots help to develop various automated systems. The phenomena of automation not only helps in effective utilization of the resources but also save time Human beings from the last decade are finding easy way to solve complex engineering application. With the increase in population, effective utilization of everyday systems and utensils is very important. Engineers are trying to develop various automatic layout which are helpful as it is independent of human effort and are also safe when handling.

As when the number of customers increases it is difficult for the shopkeeper to deal all of them. When the number of customer increases due to manual function the incoming profit decreases. Keeping all things in mind people are moving towards the automation. The automated layout is applied on the dry fruit shop due to which shopkeeper get rid of extra effort as well as of extra servants.

This layout is also less time consuming by giving input through button output is obtained. The Iot based smart shop is an automated layout project in which arduino is used as main controller. The hardware is made of steel material. Servo motors are used for the rack opening and stepper motor is for the rack movement. By giving the input through keypad and mobile app the desired rack is selected and then the quantity. Before this the same layout mechanism is applied in the vending machine system. By giving the commands output is available for the customers.

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