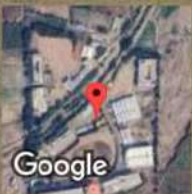




GPS Map Camera



Google

Swami Chincholi, Maharashtra, India 

8p7m+7r5, Swami Chincholi, Maharashtra 413130, India

Lat 18.313305° Long 74.734789°

05/10/2025 08:40 AM GMT +05:30



Engineering
&
Technology
(UG)

PG-01-14-3rd Floor PPG-1-3

SMART SHOPPING CART MACHINE

At Smart Shopping cart Machine (Automatic Trolley Billing Machine) is a smart system designed to make shopping faster and more convenient by automatically generating bills inside a shopping trolley. It is a smart system designed to make shopping faster and more convenient by automatically generating bills inside a shopping trolley. It is a smart system designed to make shopping faster and more convenient by automatically generating bills inside a shopping trolley.

TECHNOLOGY

The technology used in this project is a combination of hardware and software. The hardware part includes a microcontroller, sensors, and a display. The software part includes a program that can detect items in the trolley and generate a bill.

OBJECTIVE

The objective of this project is to develop a smart shopping cart machine that can automatically generate bills for items in the trolley. This will help to reduce the time and effort required for checkout and make shopping more convenient for customers.

RESULTS

The results of this project show that the smart shopping cart machine is able to accurately detect items in the trolley and generate bills. This demonstrates the feasibility of the project and its potential for use in retail stores.

CONCLUSION

The conclusion of this project is that the smart shopping cart machine is a viable solution for improving the shopping experience. It can help to reduce checkout time and make shopping more convenient for customers.

AUTOMATIC TROLLEY BILLING MACHINE: Revolutionizing Retail Efficiency

The Automatic Trolley Billing Machine (ATBM) is a revolutionary concept that aims to streamline the retail checkout process. By integrating advanced sensors, artificial intelligence, and cloud computing, the ATBM can automatically identify items in a shopping trolley and generate a bill in real-time. This eliminates the need for traditional cashiers and long checkout lines, significantly enhancing customer satisfaction and operational efficiency for retailers.

The system architecture involves a central processing unit (CPU) connected to a network of sensors and cameras. These sensors track items as they are placed in the trolley, while the cameras provide visual confirmation. The data is then processed by a cloud-based system that maintains a database of product prices and generates the final bill. Customers can view the bill on a digital display or receive it via a mobile app, allowing for a seamless and contactless shopping experience.

College Bot - A Virtual Assistant for Student Support and Online Meetings

College Bot is a virtual assistant designed to provide student support and facilitate online meetings. It is a smart system designed to make student support faster and more convenient by automatically generating bills inside a shopping trolley. It is a smart system designed to make student support faster and more convenient by automatically generating bills inside a shopping trolley.

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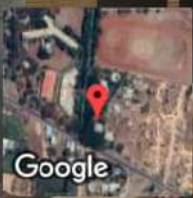
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Waghalwadi, Maharashtra, India

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