VISVESVARAYA TECHNOLOGICAL UNIVERSITY

"Jnana Sangama" Belagavi _ 590010

PROJECT REPORT ON
" AUTOMATED SHOPPING CART USING SMART TECHNOLOGY "

Submitted in partial fulfillment of the requirements for the award of degree

BACHELOR OF ENGINEERING
IN
ELECTRONICS & COMMUNICATION ENGINEERING
Submitted By

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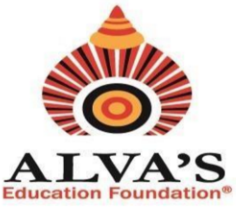

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY

MOODBIDRI - 574 225.

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(Affiliated to VTU, **BELAGAVI**)

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

CERTIFICATE

Certified that the project work entitled "**AUTOMATED SHOPPING CART USING SMART TECHNOLOGY**" is a bona fide work carried out by

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in partial fulfillment for the award of **BACHELOR OF ENGINEERING** in **ELECTRONICS & COMMUNICATION ENGINEERING** of the **VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI** during the year 2019–2020. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the Bachelor of Engineering Degree.

Tanya	D.V.M	
Signature of the Guide	**Signature of the H.O.D**	**Signature of the Principal**
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ABSTRACT

The various items are purchase in shopping mall or markets with help of shopping trolley. This product acquirement is some difficult process. In customer convenience they have to pull the trolley for each time to collecting items and simultaneously. After purchasing, customer want to pay the bill for their purchasing.

This paper proposes a system that will help to solve the problem to wait in a long queue to get their products scanned using RFID reader with help of barcode Scanner and get their billed. To modify that and customer has to purchase in smart way in shopping mall. Each and every product has to place a RFID barcode to scan the product with RFID reader. The smart trolley will consist of a RFID reader, LCD display and IOT. When customer if want to buy any product is insert in the trolley. It will scan and read the product and display the cost and the name of the product in LCD. The total cost of all the purchased products will be added to the final bill, in that final bill will be saved in the Arduino is will be act as a memory. These are all performed in the transmitter side. In receiver side, it is wireless transmitting process. It is used to share the product information and final bill amount of the items are placed in the trolley will be transfer using an IOT(Thinkspeak) to the billing system. It is used to save the customer's time and also customer doesn't wait a long time and long queue. A new concept has been introduced which is the 'AUTOMATED SHOPPING CART USING SMART TECHNOLOGY'.

This paper proposes a system that will help not only elderly people for medication reminder but also person who is suffering from Alzheimer disease. Proposed system is combination of Smart watch and pillbox which will help user to manage complex medication regimes. Patients need not remember their medicine dosage timings as they can set an alarm on their medicine dosage timings. A led is placed in pillbox which blinks at particular time to take medicine. The alarm can be set for multiple medicines including time and medicine description.