

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

“Jnana Sangama” Belagavi – 590018



Mini Project Report on

AUTOMATED BASKET SYSTEM

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

**BACHELOR OF ENGINEERING
IN
ELECTRONICS & COMMUNICATION ENGINEERING**

Submitted By

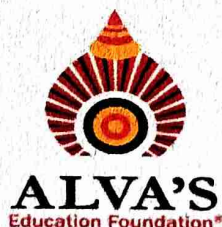
BHAVANA B	4AL21EC015
DEEKSHA S	4AL21EC025
HARSHITHA B S	4AL21EC030

Under the Guidance of

Mrs. VIJETHA T S

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DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

CERTIFICATE

This is to certify that the following students,

BHAVANA B	4AL21EC015
DEEKSHA S	4AL21EC025
HARSHITHA B S	4AL21EC030

has submitted Project synopsis on "AUTOMATED BASKET SYSTEM " for VI Semester B.E. in Electronics & Communication Engineering during the academic year 2023-24. The mini project report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the Bachelor of Engineering Degree.


Mini Project Guide

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ABSTRACT

In today's fast-paced retail environment, efficiency and convenience are paramount for both consumers and retailers. This paper presents an innovative automated basket system designed to streamline the shopping experience by automatically scanning products as they are placed in the basket. The system utilizes advanced RFID (Radio Frequency Identification) technology and smart sensors integrated into the basket to detect and identify each item instantly. Upon placing a product into the basket, the system automatically records the item details, including product name, price, and quantity, in real-time, eliminating the need for manual scanning at checkout. This solution not only reduces time spent in lines but also minimizes human errors and enhances overall customer satisfaction. The proposed system can be easily integrated into existing retail environments and is scalable, catering to stores of varying sizes. This automated approach to product scanning aims to revolutionize the retail industry by providing a seamless, user-friendly, and efficient shopping experience.