

SAPTHAGIRI COLLEGE OF ENGINEERING

14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru – 560057.

Department of Computer Science and Engineering



Certificate

Certified that the Project Work entitled **“ADVANCE SMART CART SYSTEM IN SUPER MARKET”** carried out by **Sahana B (1SG14CS097)**, **Sanjana M Aithal (1SG14CS099)**, **Swetha K (1SG14CS116)**, bonafide students of Sapthagiri College of Engineering, in partial fulfillment for the award of **Bachelor of Engineering in Computer Science and Engineering of Visvesvaraya Technological University, Belagavi** during the academic year 2017-2018. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the department library. The project report has been approved as it satisfies the academic requirements in respect of **Project Work (10CS85)** prescribed for the said degree.

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- 12/6/18
Signature of the Guide

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Yogish H K
- 12/06/18
Signature of the HOD

Dr. Yogish H K
Professor & Head

Dr. K L Shivabasappa
Signature of the Principal

Dr. K L Shivabasappa
Principal

EXTERNAL EXAMINATION:

Name of the Examiners

1. MANJESH B-N

2. Chauhan

Signature with Date

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ABSTRACT

The modern technology has increased the standard of living for the humans. Every one of us craves for a quality in everything we use in our daily lives. So, this has resulted in large crowds at shopping malls which have lead to long lines at the billing counter because the cashier has to scan every product item and then enter it into the billing record. The prevailing billing system is a bit time consuming. So, we thought of inventing a remedial electronic product to catch-up with this problem. We call it "Smart Trolley with Instant Billing to Ease Queues at Shopping Malls using Renesas micro controller : A Review". This is based on Renesas microcontroller fitted with a LCD and RFID scanner and GSM. The LCD used is a 20x4 and GSM modules make the wireless network to work even at long distance due to its wide range. The brief description of its operation is, when you pick a product and drop it into the trolley, the RFID scanner scans the product's unique code and its price. And it gets displayed on the LCD screen. So after costumer has finished with the shopping he/she has to click the finish button,the choice for the mode of transaction will be displayed on the mobile screen,after the amount is transferred receipt will be received in the mobile itself.This will save the time that was earlier being consumed to scan each item.