Smart Mall Shopping Submitted to International Journal of Scientific and Research Publications

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ABSTRACT

A product having societal acceptance is the one that helps comfort, provides efficiency and convenience in everyday life. Big shopping complexes are being developed in metro cities. Huge rush can be seen at these malls on holidays and weekends. People wanting to purchase products have to carry them in the trolleys. After finishing choosing the products, one proceeds to go to billing counter. At billing counter bill is generated by scanning the products manually using a hand assisted barcode scanner. This takes a lot of time resulting in a long queue for billing. In this project, we discuss a system which is being developed to aid a person in day-to-day shopping in terms of reduced time spent while purchasing. The main objective of proposed system is to provide a technology-oriented approach which is pocket friendly, scalable and rugged system for assisting shopping. Key Words: Intelligent Shopping, Shop-ping Cart, User Interface, Server Communication, Automatic billing.

I. INTRODUCTION

This system will assist customer in his everyday shopping by reducing the shop- ping time. It also provides better assistance to the mall managers. This is an innovative system that will provide comfort and convenience to the shoppers and managers. While surveying we found that most of the people prefer to leave the shopping mall instead of waiting in long queues to buy a few products. People find it difficult to locate the product they wanted to buy, after selecting product they need to stand in a long queue for billing and payment. To try to solve the problems previously identified, we have developed our system. Another motivation is the use of smart-phone for implementing shopping in shopping malls using better interface for users and to ease the process. To provide a technological view to solving the problem of manual shopping systems in malls.

II. OVERVIEW

According to present scenario. Now a days shopping at big malls is becoming a daily activity in metro cities. The huge rush at the malls on holidays and weekends. After purchase, at a billing counter the cashier prepare the bill using bar code reader which is a time consuming process and results in long queues. Considering all this, we have implemented a system that can be used in shopping malls to solve the rush at billing counter using Smart Mall System.

III. LITERATURE SURVEY

Shopping malls today are increasing in dimension with more goods and variety of wares due to improved living standards resulting to pursuit of high quality consumer goods, which in turn reveals the demand for efficient shop-ping processes. According to, a similar trend exists for the online shopping system at even a greater pace than the traditional shopping malls. However, they also come with a number of laws, thereby restrictive the objectives of electronic shopping. Some of the major problems faced could include security, fraud and more often, delay in delivery of orders. The objective of this project is to propose a real time capturing system for consumer supplies using Quick Response (QR) code in an Android smart phone. In recent years, valuable research has been carried out on vision-based automatic identification technology that recognizes image codes using smart phones to provide various services that can recognize the authenticity of any product. (disadvantage-Bar code not scanned properly).