



International Journal of Advance Engineering and Research Development

Volume 6, Issue 12, December -2019

Digital Bus-Pass

¹Prof. Supriya Balote,

²Sujata A Sabale, ³Snehal A Karkhanis, ⁴Ankita D Dhokle, ⁵Unnati S Atkare

1,2,3,4,5 Anantrao Pawar college of engineering and research, Parvati, Pune.

^{1,2,3,4,5} Department of Computer Engineering.

Abstract — *The main objective of our project is to provide an optimum solution PMT. To stop Pass duplication fraud and save govern- ment money. It helps to avoid unnecessary traditional pass process and convert the process into the digital pass system. It will Organize and create a Central Data system using Aadhar card and increase security in the Pass System. It will also help to avoid the line System and the student won't need to Login again and again into the system.*

It will be completely on-time registration process then data will store into the system. Student just need to scan Aadhar card QR Code and put pass Date details next time of visit. This system was intended to develop an application for PMT to perform function- tonalities like accessing the basic information of a student from educational institutions for authentication and provide Bus pass.

Keywords: *QR Code, Central Data, Ditional.*

I. INTRODUCTION

This project is created to provide safe, reliable, saving, client and portable" services for the user. This idea would help the user in a better way. As per the previous system the user had to do each and every process manually, but this system helps the user to make the work be faster. The user can then take print out of this bus pass from their mail id and use them. The bus pass will be dier for different types of users. In this bus pass, all the required details such as candidate personal details of the school(government/private), validity period, amount paid (free for government school students) and photocopy of the candidate are provided. This digital bus pass software system will help students and passengers get bus passes quickly and eliminate the need to stand in queues for users or collecting a ticket for each journey.

1. PROBLEM INGREDIENTS:

Before this application development, the manual process is used to do the process of issuing the Bus pass to the students. This Manual process requires manpower and more time con- summing. To avoid such difficulties we implemented this system. Students from different states or cities use the friend fake document for address proof and get a monthly pass into a minimum amount. Their no central document verification method right now that will identify the Student details.

2. Goals and Objectives

Goals:

Peoples travel to get some relief from their monotonous life. So, they want to travel without any hesitations. In this modern tech era they want a system that will enhance the portability, accessibility as well as user friendly

Objective:

To develop a system which proves benecial for people and people can use it easily anywhere anytime. Leading to higher learning productivity in class.XII this system will reduce paper work and easy way to use

3. Scope

Digital Student Bus Pass Generation system is a web applica- tion for students to get bus passes through online. Before this application development, the manual process is used to do the process of issuing the Bus pass to the students. This Manual process requires man power and more time consuming- ing. To avoid such difficulties we implemented this system.

- Bus pass generation
- _ Bus pass renewal
- _One Time User Registration.

Existing System

The government of Karnataka provides the transportation facility for its people in the state. There are several buses that the people use for travelling or transportation. Travelling would require the passengers to buy the ticket during the

travelling. This may be sometimes difficult due to the crowd in the bus and people may not buy the ticket for travelling. Also, the people may require to travel longer distances and the cost of the ticket may be costly. For this reason, the government provides service to people for bus pass facility to the people so that, they can avoid buying the ticket each time they use the bus services for travelling.

In our state bus pass procedure is manually take the documents from user and generate the bus pass, no any digital or permanent storage is available

II. LITERATURE REVIEW

1. **Paper name:** A Survey on Online Bus Pass Generation System using Aztec code

Author: Akshay K, Abhisek Chowdhury, Keerthana D, Manjula K, Rajeswari S

This paper describe an effective solution for maintaining Bus pass information using a database

2. **Paper name:** Digital bus pass Using QR-CODE

Author: Snehal Banale, Prajkta Dudhade, Rajshri Pal, Sayali Patil

This paper present the system for online bus-pass, and this system provide android app as well as web application

3. **Paper name:** Bus Pass Mobile Application Using QR Code

Author: Jivan Shelke, Aniket Mahangde, Sagar Karwa, Vishwajeet Mane.

In this paper describe information about the -urban living environment is becoming more and more complex, the road condition is becoming worse because of heavy traffic, an increase in traffic, accidents and the high ratio of empty buses.

III. SURVEY of PROPOSED SYSTEM

Verify the aadhar card details by using scanner camera to scan the QR code and match the details of user. Then Store the data of user in database. After register Generate unique-id for every customer. check details and Generate the online bus pass.

ADVANTAGES OF PROPOSED SYSTEM:

- Stop Pass Duplication.
- Quick and accurate Result.
- Save Government Money.
- Maintenance is easy.
- System response time is relatively fast.
- The system does not require any mobile application.

V. SYSTEM ARCHITECTURE

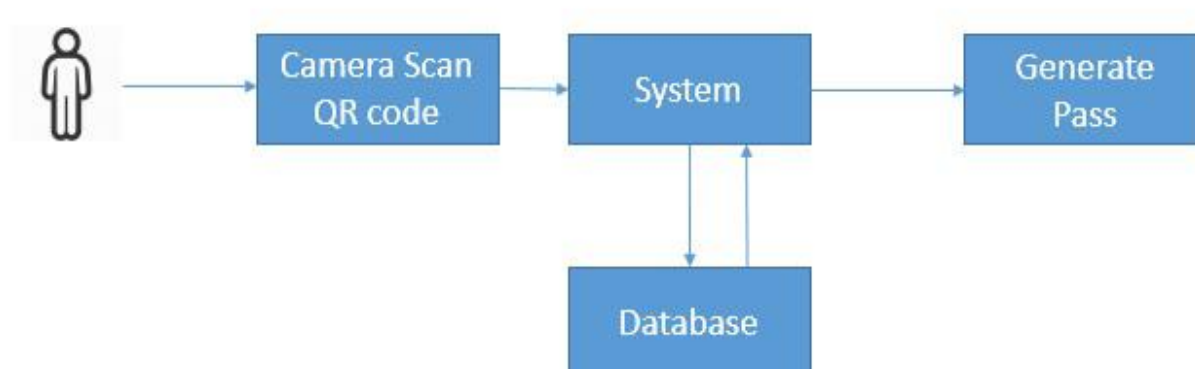


Fig.: System Architecture

VI. REFERENCES

- [1]. Yafeng Lu, Michael Steptoe, Sarah Burke, Hong Wang, Jiun-Yi Tsai, Hasan Davulcu, Douglas Montgomery, Steven R. Corman, Ross Maciejewski, Senior Member, IEEE "Exploring Evolving Media Discourse Through Event Cueing" IEEE TRANSACTIONS ON VISUALIZATION AND COMPUTER GRAPHICS, VOL. 22, NO. 1, JANUARY 2016.
- [2]. Kasha K, Abhisek Chowdhury, Keerthana D,A "Survey on Online Bus Pass Generation System using Aztec code", International Journal of Innovative Research in Computer and Communication Engineering (An ISO 3297: 2007 Certified Organization) Vol. 4, Issue 2, February 2016.
- [3]. Rafael Martnez-Pelez, Patricia Romero-Navarro, Aaron Garca-Molina, Joel Ruiz, "A Flexible Mobile Ticket for Intelligent Public Transportation", 978-1-4673-7839-0/15/2015 IEEE.
- [4]. Dr. Bos Mathew Jos, AhammedAslamAkhil, Divya Lakshmi, Shajla "RFID Based Bus Ticketing System", International Journal of Advanced Research in Electrical, Electronics) and Instrumentation Engineering (An ISO 3297: 2007 Certified Organization Vol.4, Issue 4, April 2015.
- [5]. S. Chandurkar, S. Mugade, S. Sinha, M. Misal and P. Borekar, "Implementation of Real Time Bus Monitoring and Passenger Information System", International Journal of Scientific and Research Publications, vol. 3, no. 5, (2013), pp. 1-5.
- [6]. P.Sharmila, A.Ponmalar, Skanda Gurunathan R, "Bus Pass and Ticket automation System", Volume 3, Issue 8, August-2016, pp. 389-393 ISSN (O): 2349-7084