Digital Bus Pass Generation System

Vasanta Sanga[1], Priti Navale[2], Mayuri Shirke[3], Dhanashri Patil[4]

[1-4]Department of Computer Engineering, JSPM's ICOER Wagholi Pune.

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Abstract - *This project aims to provide an effective solution for maintaining Bus pass information using a database. Online Bus pass generation is useful for people who are facing problems with the current manual work of bus pass registration and renewal. The system has two logins, one for user and other for admin. Online bus pass Generation system is a web application for people to get Bus passes through online. This system was intended to develop an application to perform functionalities like accessing the basic information for authentication and provide Bus pass to a particular person without placing him/her in a queue for a long time. Online bus pass generation system is helpful as it reduces the paper work, time consumption and makes the process of getting bus pass in simple and faster way. User can refill their account and extend the validity every time when the pass expires. Admin can view all users' details and balance through its login. This system is helpful to people to get bus pass from anywhere in the Maharashtra state and no need to worry about renewal of the Bus pass. And we also provide searching of bus like, bus name, bus time, etc. so people no need to worry about bus info.*

1. INTRODUCTION

This project is created to provide "safe, reliable, saving, efficient and affordable" services for 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 user to make the work bit faster.

The bus pass will be differ for different types of users. The renewal process can be done monthly. Based on that renewal period amount will be deducted.

Our work introduces a new method of generating the Bus pass through online. In our system verification can also be done by sending an otp to student mail. Then the payment can also be done through net banking. There are many modules in our project. They are:

1. Registration

2. Verification

3. Payment / Transaction

4. Pass generation

5. Renewal of pass

6. Search Bus

2. LITERATURE SURVEY:

Parshuram Baraki, Sandhya Kulkarni, Spurthi Kulkarni, Arpita Goggi proposed effective online bus pass generation in which online transaction facility is not available.

Abhishek Choudhry, Manjula K, Akshay K, Rajeswari S. proposed a system which is intended to perform functions like accessing basic information for authentication and provide authenticity of pass by scanning Aztec code.

S. Pradhiba, D. Sathiyapriya, P. VasantaKumari, R. Rajkumar proposed online bus pass system which takes more time. It should be fast, accurate and require less time to process.

Snehal Banale, Prajkta Dhudade proposed Digital Bus pass using QR code system in which Scanning of QR code is time consuming.

Table 1. Literature survey

Literature survey

Title	Publication Year	Author name	Limitations
Development of an effective online Bus Pass Generation system.	2015	Parashuram Baraki, Sandhya Kulkarni	Online transaction facility is not available.
Online Bus Pass Generation system	2016	Abhishek Choudhry, Manjula K	Provide authenticity of pass by scanning Aztec code.
Online Bus pass system.	2017	S. Pradhiba, D. SathiyaPriya, P.	It takes more time to process.
Digital bus pass using QR code.	2017	Snehal Banale, Prajakta Dudhade	Scanning of QR code is time consuming.

3. EXISTING SYSTEM:

In the existing system, bus pass registration and renewal process are carried out manually. The person has to visit the counter and have to submit the details and then they have to wait for approval.

In this existing system, bus details maintain through file. And after bus information are stored to computerize. Organization maintains the size of the document, source code and updates the information about team member's details manually. Which is much of time consuming process and more importantly it is error prone. At present system user can facing lot of problems.

4. PROBLEM SYSTEM:

Bus pass registration is useful for passengers who are facing problems with current manual work.

This system will help users to save their time and renewal bus pass without standing in line for hours near counter. Pass is carried by paying money online.

5. SYSTEM OVERVIEW:

In our system we overcome the drawbacks in the existing system. In the proposed system user register their details through online and get their unique user-id for further processing. The bus pass will be differ for different types of users. In this bus pass, all the required details such as candidate name, address, date of birth, mail id, name of the school, validity period, amount paid and photo copy of the candidate are provided. Instead of school details, working organization details will be provided in employees bus pass. User can easily renew bus pass at the end of every month, if renewal not done by user then automatically pass will expire.

This system is not just only for students but also for employees, senior citizens, handicapped. Customer can buy pass over the internet, 24 hours a day throughout the week, and solves the issue of bus ticket being misplaced or stolen.

Online transaction done by user by credit or debit card. Bus pass is send to users email id and also available in users profile. Admin controls the overall data in the system. User can check all details related bus pass and instructions like how to renew pass how to update it.
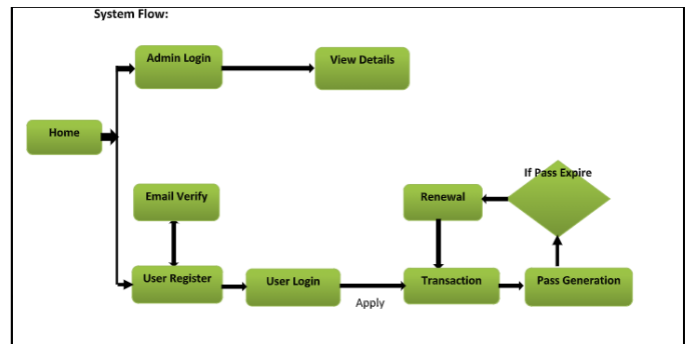
5.1 System Flow:

Fig 1. System Flow

6. ADVANTAGES

Passengers don't have to wait in queue.

It is a fast process.

Information is accurate.

It consumes less manpower.

7. CONCLUSIONS:

Bus pass Registration and Renewal System Project is a real time project which is useful for the everyone who Are facing problems with the current manual work of bus pass Registration and renewal. His / Her Renewal or Registration can be done by a credit card. This online bus pass registration application will help students, senior citizens, handicapped, employees to save their time and renewal bus passes without standing in a line for hours near counters. Initially candidates need to register with the application by submitting details of photo address proof, and required details and submit through online. They will verify your details and if they are satisfied they will approve bus pass

8. REFERENCES

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