



Online Bus Pass Issue and Renewal

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Abstract:

This project aims at providing an effective solution for maintaining Bus pass information using database. The system has two logins, one for user and the other for admin. Online bus pass generation system would be useful for commuters to get their bus passes online instead of standing in long queues to obtain their passes. This system is intended to perform functionalities like accessing basic information for authentication and provide Bus pass for the commuters without placing them in long queues. The official in the bus, would be able to verify the authenticity of the pass by scanning the Aztec code provided on the pass with a recommended device.

Keywords: Login, Apply, Payment, Generation, Notification.

I. INTRODUCTION

The government of Karnataka provides the transportation facility for its people in the state. There are several buses that the people use for travelling. Travelling would require the passengers to buy the ticket during the course of 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 require to travel longer distances and the cost of the ticket may be higher. For this reason, the government provides the bus pass facility to the people so that, they can avoid buying the ticket each time they use the bus services for travelling.

The bus pass issue system that is currently in existence is a manual process in which students and other commuters are required to submit application forms along with their details filled. These application forms are to be verified and then the bus pass is issued to the concerned person after the application form is verified. This is a tedious process, which requires the people to stand in long queues to get their passes. The previous system leads to a lot of time wastage for the commuters. Also, the bus pass issue takes place in the current system, only for a limited period of time during the day that is until evening. The commuters may not be able to acquire their passes once the depots at the bus stands, once the counters are shut down in the evening. Hence we are proposing web based system that resolves almost all the problems faced by the commuters in the previous manual process.

This method is already exist in some areas of India such as Andhrapradesh only renewal and we are trying to upgrade this method by adding some extra features such as issuing. This application is intended to provide a pass for the new applicant and he can renew that pass once it gets expired. Payment can be done online using credit card. Through this application even public can view bus time table at any time with source and destination without logging in.

II. RELATED WORK

Online Bus pass Renewal system is already implemented in Andhra Pradesh as “Andhra Pradesh State Road Transport

Corporation”. The pass application form is available online. Online Bus pass Generation system is helpful as it reduces the paper work, time consumption and makes the process of getting Bus pass simple and fast. It is online web application implemented in AndhraPradesh The different kind of information is provided about the buses, eligibility criteria, fare and timings etc. We will get the pass reservation facility, fare and timings of the buses. One more web application developed by Karnataka State Transport Corporation. In this pass application forms are not available through online. The process has to be followed manually. Hence time consumption is more.

III. PROPOSED SYSTEM

A. Proposed System

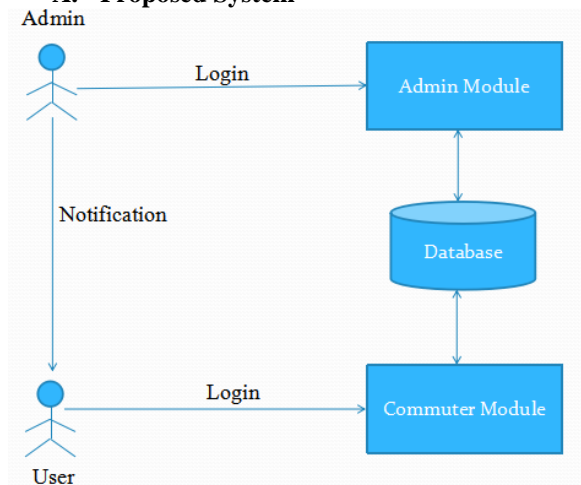


Figure 2: Architecture system

The proposed system is intended to overcome the major drawbacks of the currently existing manual system. The features are as follows

1. This online bus pass software system will help students and commuters get bus passes and eliminate the need of standing in queues for passes.

2. Public can find all the bus pass related information along with timetable without going to the bus station.
3. Minimum time is required to process the details submitted and to generate the bus pass.
4. Renewal can be done online with the reference identification that is provided during the registration of the pass.

B. Modules included in the System

The System will be developed in 2 modules

It includes two modules

1. Commuter module:

It is having four options

- Student
- Senior citizen
- Handicap
- Service person

The user should register first and then logins to use the application.

Commuter can use this application by performing following procedure

- Register: New user should register himself first by entering enough information to use the application.
- Login: after registration he can login into the system by using user name and password.
- Apply for pass: User can apply for the pass by providing basic information like adhar_id, phone number etc.
- Payment: After getting the notification from admin He should make the payment online through credit card.
- Renewal: After expiration of the pass he can apply for renewal.

2. Admin module

Admin can use this application by performing following procedure

- Login: Admin login into the application by entering email and password
- Verification: Admin views the details of commuter and verifies them
- Notification: after verification he will sent the notification of approval or rejection via SMS.
- Pass generation: After payment done by the user admin will generate the pass and sends it to the user's mail
- Renewal: Admin will views the applications for renewal and approves them.
- Add bus timetable: Admin is having the privilege of adding the bus timetable.

V. CONCLUSION

It is a real time project which is useful for the public who are facing problems with the current manual work of bus pass registration and renewal. It also increases the validity period, frequently warn the people before completion of his validity period by sending Short Message Service or mails. Their renewal or registration can be done using a credit card. In the due course of time if the user expects more than what this system provides, the new requirements can be easily by

enhancing the system without making much of changes. The places and the information relating to the place can be updated. We can use E-cash system. According to our work new packages like new places developed and be added by the admin.

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