Online Bus Pass System

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Abstract:

The project title "Online Bus Pass System" is [1] developed using PHP as Front end and MS SQL Server as back end. Bus pass registration is useful for regular student/passengers who are facing problems with the current manual work of bus pass registration and renewal. His/her renewal or registration can be done through Master Card/UPI/Online Payment. In the manual system the user has to go on particular date and time if they fail then the renewal cannot be done. This online bus pass registration application will help candidates to save their time and renewal bus pass without standing in a line for hours near counters. Initially uses need to register with the application by submitting their details through online. The administrator will verify the candidate details and if they are satisfied, they will approve bus pass. The candidate can login with their username and password and renewal is performed. The renewal process is carried by paying the money using the Master Card/UPI/Online Payment. The candidate can give their valuable feedback for further enhancement of this project.
Keywords: *Bas Pass Generation, Renewal, Online transaction.*

I. INTRODUCTION

Regular student/passengers can issue the Bus Pass over the Internet, 24 hours a day throughout the week. This solves the issue of bus pass being misplaced or stolen. Users can recharge through Master Card/UPI/Online Payment.

In addition, the online system lets the student/passengers can check the availability of the bus pass before they buy bus pass. Furthermore, no need to pay cash to buy bus ticket regularly because they can pay the bus ticket by using bus pass.

Hence, there is a need of reformation of the system with more advantages and flexibility. The Bus Scheduling and Booking System eliminate most of the limitations of the existing software.

Bus pass system to put it simply, means system can provide pass identification Pass renewal, cancellation, updating, Student discount etc.

- Using this website, we can check all details related Bus pass and instruction like how to renew pass how to update it, and also provide details of student discount.

- This website keeps all information of all Bus passes.
- Passengers first need to verify themselves the system using various through registration. Once verified the system allows them to book passes for any route online.
- Users can recharge through cc debit cards.

II. 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. For each and every process there is time limit specified if the person fails to go on time, then all the transactions will be cancelled. In this existing system was used to bus details maintain through file.

And after bus information are stored to computerize. The Project Metrics has to enter all the details of project, documents, and tasks. And, also the maintenance team information and also efforts estimation. For this purpose, the organization maintain the size of the document, source code and update 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 bus pass collect from depot very rare one.

User can face lot of problems Disadvantages
- It is time consuming
- It consumes lot of manpower to better results
- It lacks of data security
- Retrieval of data takes lot of time
- Percentage of accuracy is less
- Reports take time to produce

III. PROPOSED SYSTEM AND OUTCOMES

The proposed system overcomes the drawbacks in the existing system. In the proposed system, User register their details through online and get their unique username and password for further processing.

The bus pass will be differed 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 (government/private), 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. The renewal process can be done monthly as per user wish. Based on that renewal period amount will be deducted.

A Features of the Proposed System
- To make accuracy and efficient calculations.
- To provide proper information briefly.
- To provide huge maintenance of records.
- Flexibility of transactions can be completed in time.
- Easily bus pass apply through online.

Our system consists of following features Website Module **Website Forms**

Admin
- *Update Details of User.*
- *Delete Users.*
- *Add Users.*
- *Create unique pass number of particular user.*
- *User personal details verification*
- *Verified user details pass generation with unique pass id number.*

User
- *General registration form.*
- *user login form.*
- *Student personal detail application form.*
- *Online transaction facility is not available.*
- *Apply for pass application or renewal pass application.*
- *The user will get mail he/she can take the print of bus pass through its email-id. User can even renew the pass using their pass number and credit card or other transfer method.*

User can access pass online using unique pass number.

IV. ARCHITECTURE DESIGN

Fig. Architecture Design

V. METHODOLOGY

A. *Description of Proposed System:*
The System is very easy to implement. The system has the following features:
- It will ensure data accuracy.
- All the records will be efficiently maintained by SQL Database.
- The bus pass registration is necessary for the system.
- Only minimum time needed for the various processing.

B. *User Activities*:
The most common activities carried out by user are illustrated below
- The user can login using username and password.
- The user can sign up/do registration with the system. The registered user can login to the proposed system.
- The user can register their bus pass details.
- The user can also do renewal process of the system.
- The user can print the bus pass report.

C. *Database Activities*:
- The depot officer/Database Scheduler will verify all the registered user, and allow them to login the system.
- The administrator can acknowledge to verify, the user made on the system

C. *System Requirement:*
The requirement definition is concerned with the analysis of the existing system with the aim of determining and structuring the requirement of the proposed system. It is achieved with the aid of user requirement.

VI. PRESENTATION OF THE APPLICATION INTERFACE (MODULES)

The presentation is based on the interface of the system and the outputs from the back end and the application interfaces consist of various windows that enable Different categories of users to interact with the, system. This includes some of the user's details forms and their respective outputs Homepage Interface:
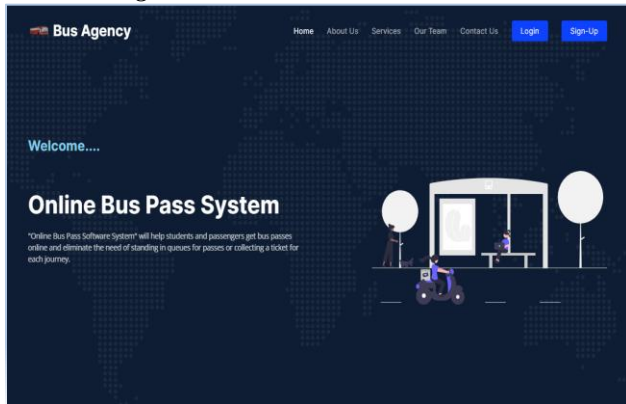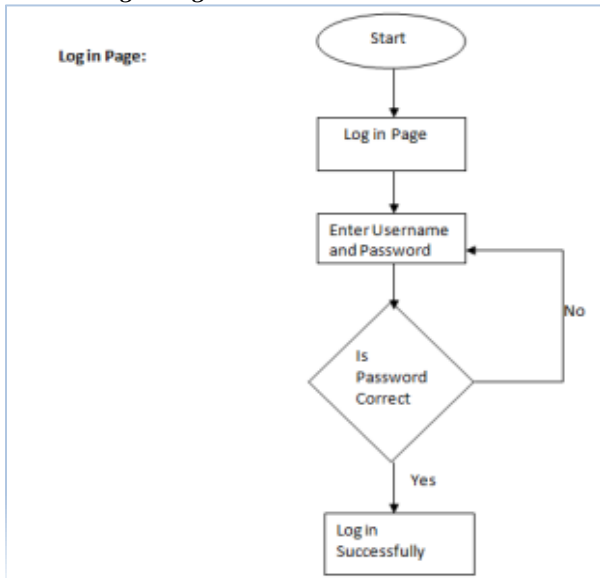
A. Home Page:

Fig. Home Pg

B. User Register Page:
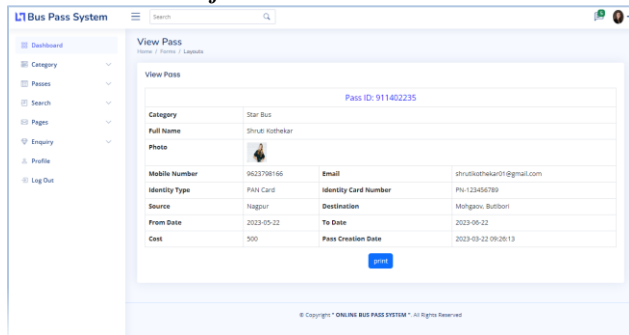

C. User Login Page:

Login Page:

D. Bus Pass Registration:

E. Renewal

In this module, the user enters into the renewal form for renewal bus pass. The user has to give the month of renewal, user id and the necessary details. For making the payment through online user gives their credit card number and pin number for amount transaction. Once the process is completed the user bus pass will be renewed through this application within a day.

F. Final outcome of the Ticket:

VII. ADVANTAGES:

- You can find all the bus pass related information online without going to the bus station.
- This online bus pass software system will help students and passengers get bus passes online within a day , Renewal of pass facility and eliminate the need of standing in queues for passes or collecting a ticket for each journey.
- The payment can be done online via credit or master card.
- Information is accurate.
- It is a fast process.

VIII. CONCLUSION

It is concluded that the system will works well and thus it will fulfill the end user's requirement. The system is tested and errors are accurately removed. This application will be accessed from one or more than one system and hence login from more than one system is tested. This system is user friendly so that everyone can use this application easily. User has to give the proper documentation. The end user is able to easily understand how this overall application. The system is evaluated, implemented and its performance is found to be satisfactory to the end users. The required result for the user's requirements is generated. Further enhancements can be added to this system, because the features of this application are very attractive and it is useful than the present one. The speed of the transactions is achieved.

IX. REFERENCES

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