

ONLINE RENNET APPLICATION

Ashwini Bhagat¹, Snehal Wankhede², Vijaya Bingewar³

Guide By: Prof. Ajay Karare

Department of Computer Science & Engineering
Jhulelal Institute of Technology, Nagpur
Maharashtra, India

ABSTRACT-

This project aims to adequate supply solution for preventing Bus license details of users through a database. Online Bus License Renewal is a web supplication that permit users to get bus license online. The goal of this project is to lessen the utilized a user's power, without making them to stand in a queue for a very coon's age. Online Bus License Rennet system helps to diminish the paper work, time expenditure and build the process of obtaining bus license in a fundamental and much swift way. The framework also provides students a facility of renewing their passes, so that the students avoid travelling certain places for the above-cited purpose. User can recharge their account and extend the validity every time when the pass expires. Admin can view all users' details and balance through its login.

KEYWORDS-login, apply, payment, generation, notification.

INTRODUCTION-

This project was created to provide "safe, reliable, timesaving, efficient, comfortable and reasonable" services for people, even though the estimate price for providing this act of assistance has been a considerable importance. This is such an area in which most of the government's subsidies is used. Even though we have lot of technology development in Tamil Nadu, we do not have any official website for bus pass registration and renewal as many of our adjoining states hold. Hence, we got an idea of helping human kind in a better way. As per the previous system of our state people had to do several formalities and each process manually, but this system helps people by easing the work and making it faster. Customers can register for the bus pass through the internet, within the first 15 days of the month. Furthermore, customers need not pay cash to buy the bus pass as they can also pay the amount by using credit card. Hence, system needs to be reformed with more ease and useful advantages.

RELATED WORK-

Online bus pass renewal service has been already implemented in Andhra Pradesh as "Andhra Pradesh state road Transport Corporation". A client can apply online by filling in details in the application form provided on the particular website. 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. Figure shows the snapshot of online web application implemented in Andhra Pradesh. The different kinds of information are provided about the bus schedule, eligibility criteria, reservation, fare etc. The user will get the reservation facility, fare and timings of the buses. For this pass, application form is not available online. The process has to be followed manually. Hence, time consumption is more.

(BUSPASS APPLICATION)

To be filled in Block letters

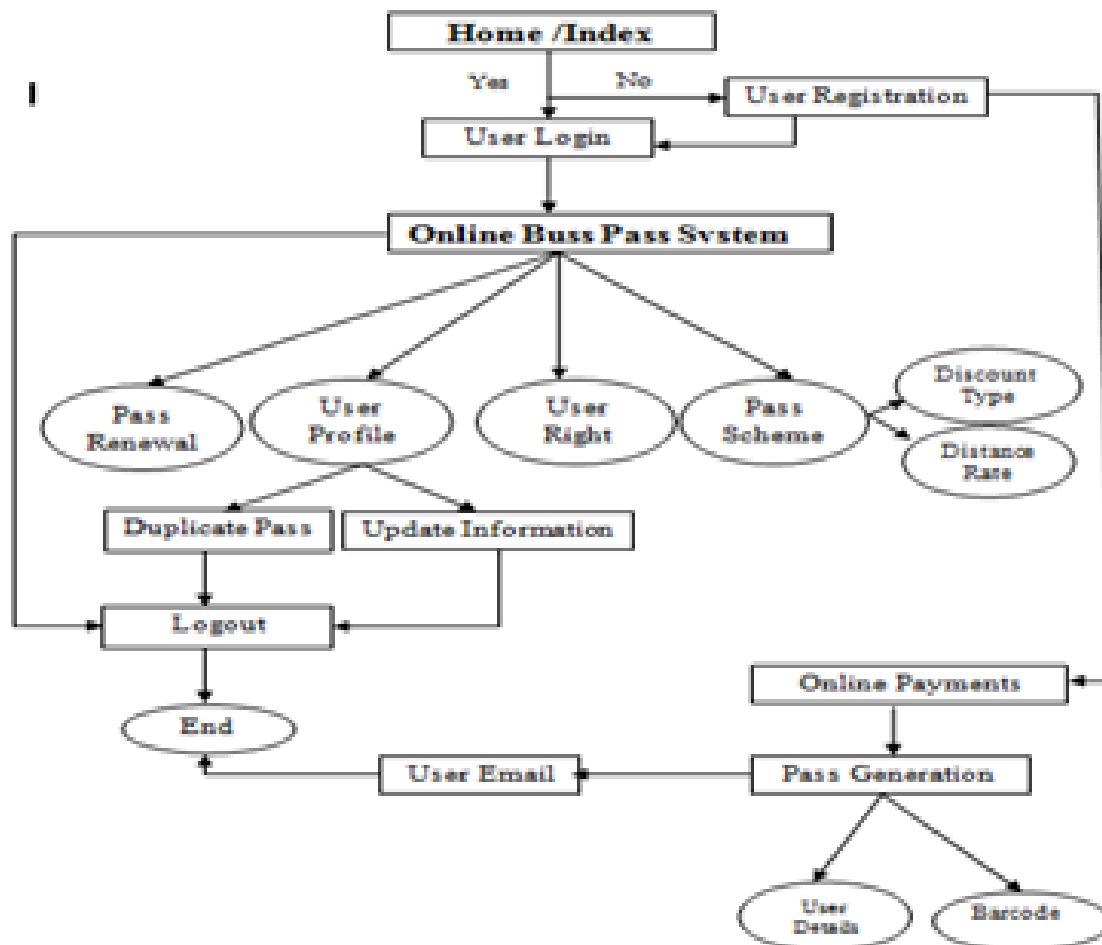
| | | |
|--|--------------------------------|---|
| Full Name: | | Affix a recent stamp size Photo of the applicant with seal & sign of institution |
| DoB: | Age: | |
| Gender: | | |
| Present Postal address: | | |
| Door #: | Street: | |
| Locality: | | pin code: |
| Name of the Parent/guardian: | | |
| Permanent address: | | Contact Tel.No: |
| | | Email Address: |
| | | Aadhar No. (if available) |
| Student's Requirement : Ordinary pass / Travel as you like pass / Renewal / Extension | | |
| <u>Travel Details</u> | | |
| Class: | Educational Institution: | |
| From: | To: | |
| Place of Changeover: | Distance (in KM): | |
| Validity Period: | to: | |
| Signature of Parent/Guardian | | Student's Signature |

PROPOSED SYSTEM-

Our work introduces a new method of generating the Bus pass through online.

- You can find all the bus license related details online without travelling to the bus station.
- This online bus license software will help not only students but also all the passengers, get the bus passes online and kick out the need of standing in long lines for passes or to book a ticket for each journey.
- The payment can be done online via credit or master card.
- This system will make sure that data is accurate.
- Records will be efficiently and accurately stored and maintained in a DBMS.
- Renewal is possible online with the reference identification details that will be provided after the registration is done by the user.
- Supposing if the student or any other type of commuter does not require the pass service anymore, he/she can cancel their registration.
- There would be a minimum time consumption in adding all the details of the applicant in database and issuing him/her the particular license/pass.

SYSTEM ARCHITECTURE-



The figure above demonstrates the steps involved in preserving the user's /client's information in the database. The user needs to register first by providing all the necessary information of the above fields. After registering, the user can login by entering the username and password. If the password does not match with the password in the database, an error message will be displayed. If the user wants to change its password, he/she will have to provide the current password and the new password to confirm his/her password. The password is in the encrypted form in. After login, user has to apply for the form by filling wanted information to get the license. The admin can verify the received applications and then issue the pass. Depending upon the criteria specified, the fixed amount will be deducted from users account when the submit button is clicked. Data of the applicant provided by him/her is displayed below which consists of the applicant's name, source figure shows the overall architecture diagram of the proposed system.

CONCLUSION-

This system can be used in any bus transport undertaking services. Using the system in government and private sectors can exclude the use of human efforts and saves lot of money and time. The proposed system would enable the people to register for the bus pass online.

This system would also enable the users to renew the pass online by updating the details online.

FUTURE SCOPE-

- Profile can be modified.
- Abuse user can be verified and blocked if necessary.
- Multi -hopping networks.

REFERENCES-

1. Development of an Effective Online Bus Pass Generation System for Transportation System for Transportation Service in Karnataka State.
2. Caulfield and M. O'Mahony, "An examination of the public transport information requirements of users", IEEE Transactions on Intelligent Transportation Systems, vol. 8, no. 1, (2007), pp. 21–30.
3. J. Lee, K. Hong, H. Lee, J. Lim and S. Kim, "Bus information system based on smart-phone Apps", in Proc. of KSCI Winter Conference (2012), pp. 219-222
4. S. Chandurkar, S. Mugade, S. Sana, 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.
5. K. G. Zografos, K. N. Androutopoulos and V. Spitadakis, "Design and assessment of an online passenger information system for integrated multimodal trip planning", Trans. Intell. Transport. Syst.vol. 10, (2009), pp. 311–323.
6. Bar code from Wikipedia.com or Aztec code from Wikipedia.com.