E-Pass: Online AMTS Pass Management System

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Abstract- *In this digital world, to achieve a high speed in the processing of data it is almost compulsory to convert the data which is in analog form to digital form. Ahmedabad Municipal Transport Service is India's oldest Municipal Transport Corporation for local Transport Service. This service provides great facilities as well as schemes according to the criteria for commuters; however, some issues should be resolved, like the manual process of getting bus pass for the citizens. The main aim is that it is useful for frequent travellers who are facing problems with the current manual process of bus pass registration system. This system is intended to perform functionalities like accessing basic information for authentication, fee payment, which is beneficial like less time consuming, no queue problems, no misbehaving. The official in the bus would be able to verify the authenticity of the pass by scanning the provided card with a recommended device.*

Keywords- Online Bus Pass Registration, Login Module, Apply, Payment, Generation, Notification, Admin Module.

I. INTRODUCTION

We are creating this project using DJANGO framework to provide "safe, reliable, time saving, efficient, comfortable and affordable" services for people, although the cost for providing this service has been substantial. DJANGO framework is one of the popular and important technologies now a day. It is heavily subsidized by the government and is reportedly in the red, like most of India's state-run road transport undertakings.

Even though we have lot of technology development in Gujarat. We got this idea that would help our people in a better way. As per the previous system of our state people had to do each and every process manually, but this system helps people to make the work a bit faster. Customer can register for the Bus Pass over the Internet. Furthermore, customers no need to pay cash to buy bus ticket every time while travelling because they can pay the amount using Credit Card and get the pass. Hence, there is a need of formation of the formal system with more advantages and flexibility. Because of the drawbacks that are present in the existing system, we got this idea that would help people in a better way. Passengers can buy the bus ticket being misplaced or stolen or the problem of not having the cash.
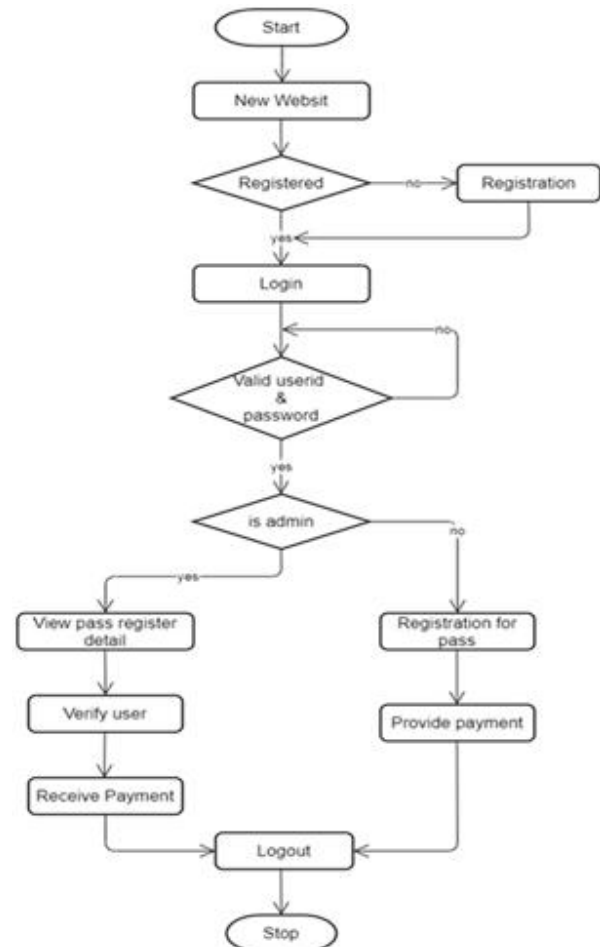

Fig 1: Flowchart of User & Admin

II. LITERATURE REVIEW

Nowadays one of the significant competitive advantages in business is so faster the supply chain. This can happen with a better strategic technology planning.

Detailed Survey collection on online bus pass generation: In this paper, a solution for current issue in the bus pass generation is discussed. This system intended to provide a solution for drawbacks in the current system and reduces paper work and man power. Admin and user have their

respective login pages. Then the user can apply for pass by filling the details in online form and uploading the proof. Then the proof and form are verified by the admin. If the proof and form filled by user are valid then a notification is sent to the user. After the user receive notification, he/she can do the payment only authorized sources. Once the payment is done by the user then pass is generated to the user in online as pass with Aztec code, in which the information is encoded. The user can download it and use it. If bus pass is damage, the user can download the temporary pass in online. This makes user work easy and it takes less e. The conductor scans the code by using the recommended device for scanning.

Online Bus Pass Generation System using Web Application: In this paper, the system has separate logins pages for user and the admin person. This system concentrates on security and confidentiality of the user details, so once the user register in the website, he /she receives an OTP code to his/her mail, by doing this the admin can verify whether the user is valid one or not. Then the user enters the OTP and he/she can login into the website. The user can apply for the pass and do the online payment or net banking. Once the payment is done and verified by the admin the pass is generated and sent to the students or user's mail. Then the user can have the softcopy of the pass and he/she can download it and make it as hardcopy and use it. The user can also renew the bus pass by login into the website. A notification has been sent to the users registered e-mail if the pass is about to expire, so he /she can aware of it and renew it.

This project upgrades our existing bus pass or bus ticket issuing system in the Indian states. The current system requires the local users or students to submit the necessary documents and proofs manually in the bus depots. After the submission of these documents, it has to be verified by the officials of the bus depot. It is therefore a time-consuming process for the travellers because they need to follow a lengthy process for registration. Once the verification process completes the bus pass is provided to the user on a specified date. It is hence a hectic process to be followed for getting a pass.

III. STUDY FINDINGS

Here, Web applications have become an essential component of business in today's world. By using the web applications, businesses can now develop and become simpler, and achieve its objectives much faster. These applications can help target numerous clientele and customers at a time. This statement is all about serving the people (commuters) who travels in the AMTS and this would benefit.

A website is your identity on the Internet and in the digital world. It lets people know about you and reach you. It is a place for you to share information with people and make them know about you and to build interest and trust in you or your business or services of organization.

A. In this new era of digitalization, one should uplift their one step toward the digitalization and giving a thought we had developed this system. This system has its own study findings by communicating with the users like students, senior citizens, handicapped and employee and in feedback they gave a nice response.

B. We have produced the online system that is capable to manage the data of the bus pass details. User of this system can operate this system in where in country, and register/renewal of the bus pass on single click. The system has able to manage the bus details and update the information just on click.

C. Presently the system is manual and we are developing online system for it. On communicating the user said this system has better.

D. The commuters also suggested something better that can be implemented which would give good impact on our project and the e-cash and the notification system all was good for the users

IV. CONCLUSION

We will develop "ONLINE AMTS PASS MANAGEMENT SYSTEM" System with great concern and will try our best to implement as many as features to make it viable and usable. This system is a powerful and easy-to-use for the user in their day-to-day life. It is the Web Application with the latest platform that fulfils the required needs of user. Nowadays, technology is increasing day by day for making the works of human being easier. It is the platform for the public who uses the public transport. We had developed for the public who are facing problems with the current manual work of bus pass registration. We had developed for the public who are facing problems with the current manual work of bus pass registration. In these system admin has to verify the documents for pass registration process to proceed. This is-the easiest way for the users of AMTS in daily basis.

V. ACKNOWLEDGEMENT

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