AMTS Bus E-Pass System

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Abstract- *This article is representing an application namely "AMTS BUS E-PASS SYSTEM". This is going to be created to help and save the time of AMTS users. This application mainly focused on pass allotment system of AMTS. It is useful to AMTS pass users. The user will able to apply for new and to renew pass from anywhere. The user can upload their documents and pay the fees through this application. Also generates e-pass. It also creates a temporary pass till the permanent pass is not allocated.*

Keywords- AMTS, Bus Pass, Online Pass, AMTS Bus Pass, E-Pass

I. INTRODUCTION

This app mainly focuses on AMTS Bus Pass generation. With this app, the user can apply for a new pass and renew the current pass without going to the AMTS Department. Users can also do the payment of the pass fee through the app itself. This sort of app will save much time for the students and other people who use AMTS as their primary transport.

This app will be an Android Application having backend of MySQL. In this world of technological advancements where technology is taking quantum leaps, one of the most sought out things still is service. The quality of service provided by a company decides what future the company will have irrespective of any discounts or offers. People like services to be of precise quality services. One such area is public transportation which is used by each and every person in the world.

Furthermore, the main difficulty is in the process of generating or renewing a Bus Pass. The process is time-consuming. This Application will hopefully ease the process of generating or renewing a Bus Pass as it will be an online application and user only have to go for Document Verification purpose. The user can fill the form for the Bus Pass through the app itself. The user can also pay the Bus Pass Fees through the application's payment gateway and the user will get a temporary e-Pass until the permanent pass is generated.

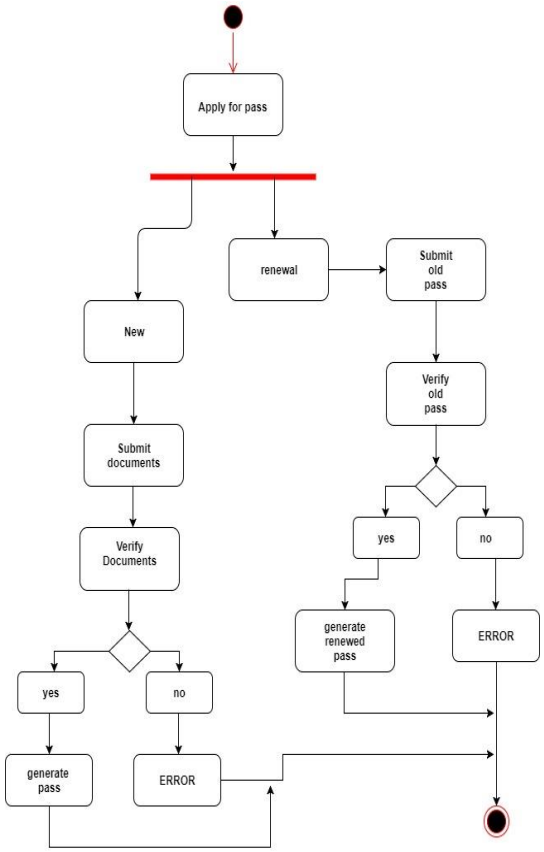
II. LITERATURE REVIEW

The idea of developing this application is to make the pass allotment process compatible, easy and comfortable. The biggest problem is to stand in a queue and having more trouble. This idea will help to make ticketing easy get E-pass on your phone itself. This android application will help you fill up form of the pass of the bus and help you get off the big line of AMTS office.

III. STUDIES AND FINDINGS

Our project is meant to ease the process of generation and renewal of AMTS Pass. Right now there is a scenario that for generating a new AMTS Pass for the student is that first, a person needs to go at the AMTS Office and need to stand in a long Queue for submitting a form, which they need to fill and need to sign it by their college or school officials. Then they need to go again to the AMTS Office for verification of the required documents. The problem with this current process is that it is too time-consuming and takes nearly 15-16 days for generating a permanent pass.

Our application eases this process by 80 % because it provides the facility for filling the form through the application itself and also save the time for students. It is also user-friendly so senior citizen or any less educated could also use this application. A person just needs to verify the documents and temporary pass will be generated within the application itself and when the original pass is generated user will get a notification about the generated pass and then the user needs to go to the AMTS office and collect the permanent pass.



The application will work in following way:

- The first user will be prompted to apply for the pass.
- It will ask whether to generate anew pass or to renew it.
- If the user selects to generate new pass then the user must fill the form and must submit and verify the documents or if the user selects to renew the pass, the user needs to verify the expired pass.
- If the documents are verified, it will generate the pass or else it will show an error.
- After the verification user will be provided the temporary e-pass until the new pass is generated.

IV. CONCLUSION

Through this application, genuine work has been carried out to give people better services implemented throughout the various stages of the project. The app has been made in such a way that all sectors of people can use it. With this application, much time will be saved by the user. It also makes comfortable the tasks carried by AMTS staff.

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