

# Online Bus Pass System

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**Abstract**– The project name as “Online Bus Pass System” is useful for passengers who are facing problems with the current manual work of bus pass system and renewal. His/her renewal or registration can be done through online payment. In the existing system the user has to go on particular date and time if they fail then the renewal done. Online bus pass system application will help the user to save their time and renewal bus pass without standing in a line for hours near counters. There are uses need to register with the application by submitting their details through online. The admin will verify the candidate details and if they are satisfied they will approve bus pass. The user can login with their username and password and renewal is performed. The renewal process is carried by paying the money using online payment. The user can give their valuable feedback for further enhancement of this project.

**Keywords**– Bus Pass Generation, Renewal pass, Payment gateway

## I. INTRODUCTION

We are developing this project to provide time consuming and reliable services for people, although the cost for providing this service has been substantial. Hence we have lot of technology to development of Application for Bus Pass Registration and Renewal as many of our Neighbor states possess. Although we got this idea that would help people in a better way. As per the existing 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 user can register for the Bus Pass over the Internet, Furthermore, customers no need to pay cash to buy bus pass because they can pay the amount using Online payment

Hence, there is a need of reformation 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 Customer can buy the bus pass over the Internet. The Bus pass System reduces most of the limitations of the existing system.

## II. LITRATURE SURVEY

In First survey Online Bus Pass Renewal System Using Web Application, the author name is S.Famitha, G.Priyanka, M.Vasanthi, B.E3 Assistant Professor(2016) Department of Computer Science and Engineering Prathyusha Engineering College, Tamilnadu, India.

In second survey the paper title is My Online Railway Pass System, the author name is Medha Kulkarni, PVPPCOE, sion; Vrushali Ugaonkar, PVPPCOE, sion; Bhakti Ghursale, PVPPCOE, sion; Madhuri Khandare, PVPPCOE, sion; Sneha Yadav, PVPPCOE, sion(2016).

In third survey learn the paper title is Development Of An Effective Online Bus Pass Generation System Karnataka State, the author name is Parashuram Baraki, Sandhya Kulkarni, Spurthi Kulkarni, Arpita Goggi, Keertipriya(2015).

In fourth survey learn the paper title is A Survey On Online Bus Pass Generation System Using Aztec Code, the author is Akshay K, Abhisek Chowdhury, Keerthana D, Manjula K, Rajeswari S(2016)

## III. BASIC REQUIREMENT

For implementing this project, we need to install Android studio, JDK in our systems which will help the code to execute successfully.

### 1. Hardware Requirements: -

Processor: - Intel i3 (3.4GHz – 4.2GHz) Ram: - 4GB  
Hard Disk:- 500GB Android mobile

### 2. Software Requirements: -

Operating System: - Windows (10) Android Studio:-3.5  
Java JDK 8  
MYSQL 8.0.12

## IV. IMPLEMENTATION OF ONLINE BUS PASS SYSTEM

Following figure is Online bus pass system, having two logins namely user and admin. User has performed some tasks that is registration, form fill up, apply for bus pass, and enter details for having bus pass. Parallels admin perform some other tasks like verifying detail for user enters, its stored data for user perform the various activities, and get approval from user to bus pass when it

is ready. In some condition if user enters detail are wrong then in this condition this process flow will change and then user required again apply bus pass and enter details. If no other conditions occur then this pass is approval and the process will be end.

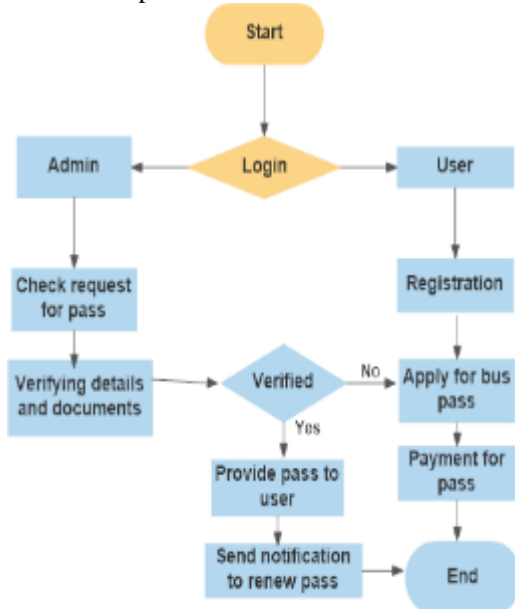


Fig.1. Flowchart of Online Bus Pass System.

## V. MOTIVATION

The project has been developed on the bus information system. This project proposed an Android mobile phone application that gives information about buses, bus numbers as well as bus routes online

We have produced the online system that is capable to manage the data of the bus pass details. User of this system can able to 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.

This system is use to performs functions like accessing basic information for authentication and provide passes without need for waiting in any queue.

## VI. PROPOSED SYSTEM

Online bus pass system is use to register and renewal bus pass without standing in any queue. In our online bus pass system Application provides the facility to the user to get monthly, half yearly and yearly bus passes through online. Online bus pass

system sends the notification to the user for renew of bus pass. It is time reducing system it helps the users to get quickly bus pass. This proposed system will make sure that information about the user will be well organised, safe and correctly kept and is handled in a database. Renewal of user's bus pass is also done via online with

the help of user name and password which is submitted by the user after registration. If in case the passenger is not fascinated to use the facilities of this bus pass system then he/she can cancel their booked passes.

As this system is online the registration and the confirmation of the passes is secured and the confidential details of the user is also safe in the database. When the user's book pass then his pass is confirmed only when the user has did the payment and this payment is done via online transaction. With the help of this online bus pass system, the admin can get all the required details which are mandatory in order to generate the bus pass. The user have to submit the correct detail for the verification of an authorised person.

## VII. DATA FLOW DIAGRAM

### 1. DFD level 0 Diagram:-

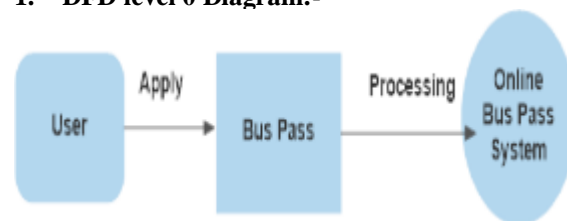


Fig-DFD level 0 Diagram

Figure shows the dataflow diagram for level 0. It have three module user, online bus pass system and pass system. It defining the flow of getting bus pass to user. It includes two steps first is user which can apply for bus pass and second is system processing to get bus pass from system.

### 2. DFD level 1 Diagram:-

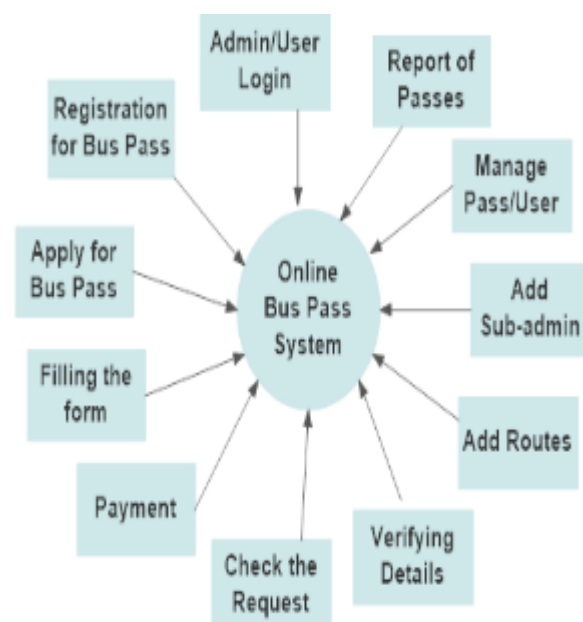


Fig.3. DFD level 1 Diagram.

Figure shows the dataflow diagram for level 1 This figure shows online bus pass register/ renewal system. It includes both user and admin activities. Some activities perform by the user and other admin. It defines the flow of system.

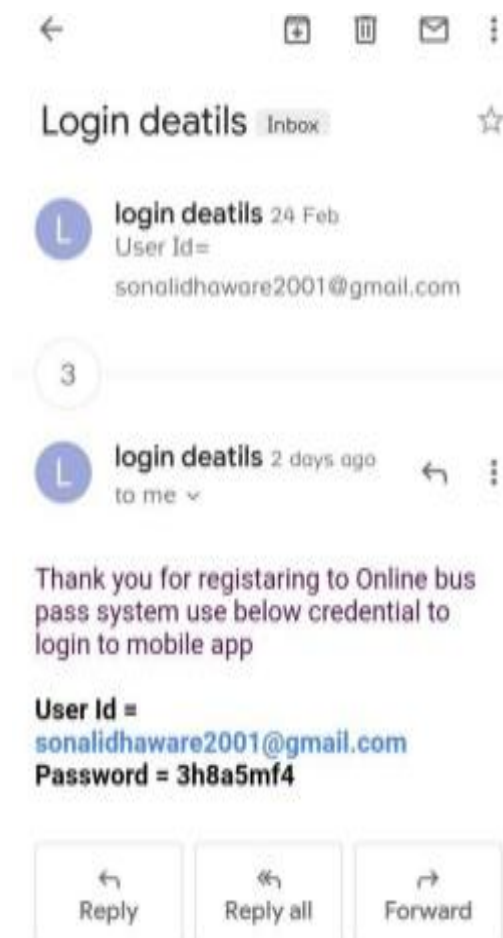
## VIII. PROBLEM STATEMENT

Previously when the user needed bus pass he/she had to do manual work by visiting the bus depot and filling the forms offline. This procedure was time consuming as the user has to stand in the queue for the bus pass. As a solution on this problem we have created online bus pass system to save the time of the user and get the bus pass easily any time , any were.

## IX.RESULT & OUTPUT

We have developed this system to get the bus pass online to the user. In this we have created modules of admin and user through which they will performed their respective duties as seen in the following screenshots.

### 1. Login Details



User will get, Registration ID and password through mail.

### 2. Login page



After registration user can login with E-mail and password. If user already not register then application does not approve the user login.

### 3. Registration page



If user does not have registration to the application then user can register new bus pass

#### 4. Verified Pass



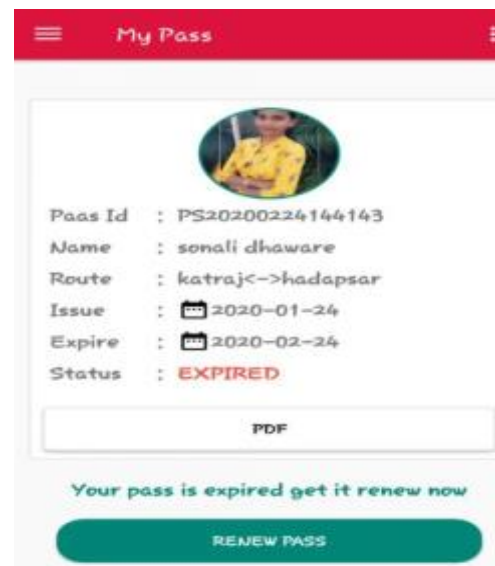
If user details and documents are correct then it will be verified by admin. And user will get verified bus pass.

#### 5. Pending Pass



If user can apply for bus pass and Admin had not check the documents and details of user. at that time application shows the pending pass to the user.

#### 6. Renewable/Expired Pass



If pass will be expired then the application will send the notification to user for renew bus pass.

### X. FUTURE SCOPE

This project has a wide scope for future development, as the users requirement is always going to be changed which is including tracking the location of the bus. It is helpful for the user to find the current location of the bus and it is providing the feature that is online booking of ticket and seat for the journey and make changes to the system as per user requirements.

### XI. CONCLUSION

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

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