Online Buspass Generation System using Web Application
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Abstract:
Online Bus pass generation is useful for students who are facing problems with the current manual work of bus pass registration and renewal. The students need to register by submitting their details through online. After registration an OTP code will be send to student’s mail. The administrator will verify the student details and if they are satisfied they will approve bus pass. The pass will be generated and send to student’s mail. The student can login with their college idno and password and then renewal can be performed.

I. INTRODUCTION:
Our project is created to provide timesaving, comfortable and safe services for students. Due to the drawbacks that are present in the existing system, we got the idea of doing this project of generating the buspass through online which can help students in a better way. In the existing system student had to do each and every process manually, but our project helps student to make their work faster and easy. Students can buy the bus pass through the internet. This system is also used the to save the students time. The students can pay to buy bus pass through Credit Card and Netbanking.

II. RELATED WORK:
Online Bus pass generation system is already implemented in Andhra Pradesh as “Andhra Pradesh State Road Transport Corporation”. The pass application form is available online. 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. The different kind of information is provided about the buses, eligibility criteria, fare and timings etc. We will get the pass reservation facility, fare and timings of the buses. In this pass application forms are not available through online. The process has to be followed manually. Hence time consumption is more.

III. PROPOSED SYSTEM:
Our work introduces a new method of generating the Bus pass through online. In our system verification can also be done by sending an otp to student mail. Then the payment can also be done through net banking. There are many modules in our project. They are
1. Registration
2. Verification
3. payment
4. Pass generation
5. Renewal of pass

IV. ARCHITECTURE DIAGRAM:

![Architecture Diagram](image-url)
V. REGISTRATION MODULE:

In this the student has to give complete details about him/her to create a new account. After successfully creating the account the user can able to perform the online bus pass facility. All the transactions are performed based on the student id.
VI. VERIFICATION MODULE:
After registration an OTP code is sent to student’s mail. After entering the code he can proceed with next step. Once the user submit their detail, their information can be viewed by admin and he will approve the bus pass. This will allow only authorized students.

VII. PAYMENT MODULE:
Students can pay the amount for the bus pass through credit card. They can also pay through net banking. The amount paid through online must be secure and it should reach the authenticated user. All the transactions that is done must be committed properly.

VIII. PASS GENERATION:
After providing all the necessary details like nemesis, college name, phone number, photo etc., the details will be submitted to the admin. The admin verifies and the detail and authenticate them. If the admin approves the user as trusted one then the bus pass will be generated and send to the student’s mail.
IX. RENEWAL OF PASS:

The student can login to his account for the renewal of buspass. The student has to enter student id and the necessary details. Then the payment process will be carried out. Once the process is completed the user bus pass will be renewed automatically and send to student’s mail.

X. CONCLUSION:

This project is useful for the students who are facing problems with the current manual work of bus pass registration and renewal. It will send an email for the students before completion of his validity period. We can also add the bus information with this application. We can combine this application to online bus ticket booking.

XI. REFERENCES:


