**INTIGRATED TICKET SYSTEM FOR BUS AND TRAIN**

**Title of the Project:** INTIGRATED TICKET SYSTEM FOR BUS AND TRAIN

**Project Architecture: N-Tire**

**SDLC Methodologies:** Waterfall/Spiral Model

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| --- | --- |
| **Course:** |  |
| **Roll No:** |  |
| **Name of the Student:** |  |
| **Technology And Language:** | JAVA |
| **Internal Guide:** |  |
| **E-Mail ID:** |  |
| **Mobile No (Student):** |  |

**Abstract of the Project:**

**Introduction:**

**E-Bus pass System Project**  is a real time project which is useful for the students who Are facing problems with the current manual work of bus pass   Registration and renewal. It also increases the validity period,   frequently Warns to the student before completion of his validity period by sending sms or mails. His / Her Renewal or Registration can be done using a voucher or even by a credit card.

This online bus pass registration application will help students save their time and renewal bus passes without standing in a line for hours near counters. Initially students need to register with the application by submitting details of photo address proof, and required details and submit through online. They will verify your details and if they are satisfied they will approve bus pass. You can even renewal using credit card or other wire transfer methods.

**Existing System:**

In existing system the students has to wait for long time standing in queue to apply for bus pass near the counters. Even if they want to get their bus pass get renewal then they have follow the same procedure of waiting for long hours near the counters. The current procedure is a time consuming procedure. The current system leads to the inconvenience and dissatisfactory of the users. People have to travel to the nearby and respective Bus Stops and to apply for bus pass and also for the bus pass renewal. It requires a lot of man power.

**Disadvantages Of Existing System:**

* Takes lot of time in issue/renew of bus-pass considerably.
* Leads to the inconvenience and dissatisfactory of the users.
* The time taken in the issue/renew of bus-pass considerably is 25 – 30 minutes.
* Students have to wait for long time standing in queue near counters.

**Proposed System:**

The Proposed system will help students save their time and renewal bus passes without standing in a line for hours near counters. Initially students need to register with the application by submitting details of photo, address proof, and required details and submit through online. They will verify your details and if they are satisfied they will approve bus pass. You can even renewal using credit card or other wire transfer methods.

**Advantages Of Proposed System:**

* Has reduced the time in issue/renew of bus-pass considerably.
* Leads to the convenience and satisfactory of the users.
* The time taken in the issue/renew of bus-pass considerably is 3-5 minutes.
* Now, there are almost no queues on bus-pass issue centers.
* With computerization, possibility of fake/duplicate passes has reduced considerably.

This application consists of following modules

1. Online Bus-Pass Registration
2. Online Bus-Pass Renewal
3. Online Pass Schemes
4. Status for Registrations & Renewals
5. Search Routes & Fares
6. Reports

**Module I:** Online Bus-Pass Registration:

Different types of bus pass registration for the people of the twin cities. In this module initially students need to register with the application by submitting details of photo, address proof and required details and submit through online. They will verify your details and if they are satisfied they will approve bus pass.

**Module II:** Online Bus-Pass Renewal:

Different types of bus pass renewals for the people of the twin cities. In this module students have to Login to the website and apply for Renewal and they have to check their status which shows whether their bus pass is renewal or not. You can even renewal using credit card or other wire transfer methods. Once the bus pass gets renewal Amount is deducted automatically.

**Module III:** Online Pass Schemes:

Different types of bus pass schemes for the people of the twin cities. In this module User can view different schemes which are available

**Module IV:** Status for Registrations & Renewals:

Checking the status of registrations and renewal of passes. This module is very useful as students will get to know what is their status is. In this module Admin will verify the details of user and generates status either as Accepted or rejected. Based on this status information further actions will be carried out such as deduction of bus pass amount from the user account.

**Module V:** Search Routes & Fares:

To know the fares and routes for different bus pass Registrations. In this module different routes and fares are provided for the user so that he can easily come to know the routes and their fares.

**Module VI:** Reports:

The user can give suggestions regarding our website or can give any complaints.

**SYSTEM ANALYSIS AND DESIGN**

**System Requirements Specifications**

* **Software Requirements:**

Operating System : Windows 7

Technology : Java/J2EE (Servlets, JSP, JDBC)

Web Technologies : Html, JavaScript, CSS

Web Server : Tomcat 7.0

Database :MySql

Software’s : JDK 1.7

* **Hardware Requirements:**

Hardware : Pentium based systems with a minimum of P4

RAM : 1GB (minimum)