



## **Railway Reservation System**

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### **ABSTRACT**

The railway reservation system provides the passengers with an enquiry about the trains arrival and departure time, booking and cancellation of tickets etc. This was computerized system of booking tickets in advance without going to the station and this helps in time saving in this fast world. The technology used in this will provide the passenger to save their time. The project is well designed to keep each and every booking record of the passengers. The record of train include it is number, name, source, destination, and day on which it is available, whereas record of train status include dates for which tickets can be booked. The main aim of the project is ten minutes earlier then arrival of the train the platform number details will be SMS to mobile phone. Then an offer to the passenger to booked in the ticket more than of five members. This would be very useful for the passengers for their happy journey.

**Keywords:** Booking, Cancellation, Railway, Platform.

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### **1. Introduction**

#### *1.1 About the project:*

Railway reservation system is a software application that is designed to automate the process of booking train tickets. This type of system is used by railway companies to manage reservation and bookings for their ticket. The target of a railway reservation system project is to provide an easy and efficient way for passengers to book train tickets, check train schedules and manage their bookings. This project is to design and develop information of different trains, train status and passengers in a database server. This was a computerized system of booking tickets in advance without going to the station and this helps in time saving in this fast world. The main aim of the project is ten minutes earlier then arrival of the train the platform number details will be SMS to mobile phone. This would be very useful for the passengers for their happy journey.

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### **II. SYSTEM ANALYSIS**

#### *2.1 Existing system:*

Also now booking online will save your time and money. But from now on, when you book tickets online, you will get a message on your mobile phone with the time where the train is coming. Knowing this, you will receive a message on your mobile number matter where you are.

#### *Disadvantages:*

They will wait for the announcement or visualized the laser boards. If some people are late coming to the railway they will hurry and see me on their platform. Thus people find it difficult to know their railway information.

#### *2.2 Proposed system:*

The computerized online ticket booking system in railway. There are many benefits are currently but one of the disadvantages. Sometimes passengers do not have time to check their platform number when they arrive late at the station. So we have added on additional link. Passengers will be SMS the platform ten minutes in advance. Through this, even if the passengers arrive late at the station, their platform number will be informed to them and they will go to their platform without any confusion.

#### *Advantage:*

Sending a message ten minutes in advance is very helpful for people. To get their platform number and they save time and money as they pre-book their tickets online.

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### III. SYSTEM METHODOLOGY

- Admin login
- Registration
- User login
- Train details
- Payment
- Cancellation
- SMessage sending

#### **3.1 Admin Login:**

The admin module is used to mainly to check authentication of one, who is responsibility to access the details. It checks whether the username, password is valid or not. If it is wrong, we can't enter the details.

#### **3.2 Registration:**

The passengers to reserve the online train tickets we have to the first stage is register.

#### **3.3 User Login:**

In this module, by logging we can enter the username and password to the reservation system.

#### **3.4 Train details:**

The main purpose for developing this module is to manage the booking of the train ticket. After the registration we book the train ticket easily.

#### **3.5 Payment:**

This is the customer payment form for the train ticket booking where customer will be able to make payment. The final stage is to pay the cost for reserved tickets.

#### **3.6 Message sending:**

It is to inform you that the reserved your tickets. And mention total amount paid. Then platform details send to the passenger's mobile numbers.

#### **3.7 Cancellation:**

This is the customer booking confirmation from where customer will be able to cancel his train tickets.

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### IV. CONCLUSION:

The online train ticket booking system is a very good feature. The project entitled "online ticket booking" is developed using HTML, CSS and JavaScript as front end and MYSQL database in back end to computerize the process of online train ticket booking. The railway reservation system provides a safe and secure reservation.

#### **References**

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