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# **RAILWAY RESERVATION SYSTEM**

# INTRODUCTION

Railway Reservation System is developed to automate the railway reservation system. It includes modules required to successfully operate railway reservation process smoothly. It includes modules

that consists of search modules , column containing the information about **Home** , **Meals** , **Service at station** and Contact Us, and a column always showing the image or video showing the awesomeness of indian railway.

Module also contains details about different **HOLIDAY PACKAGES** like Tourist Trains, International Trains and National Packages.

Search modules containing the option to enter the **FROM**(originating station),**TO**(destination station),Date of journey and **FIND TRAINS**(submit button)to find the available trains according to the provided information.

Top section including information of available meals that are available in trains, different service that are being offered at station and an option to Contact the administrator for the enquiry of website or any given bugs or errors facing in using of the website.

Therefore proposed “Railway Reservation System” has been designed to automate the process of railway for ticket reservation and back office activities. System can make the daily hassle activities efficient and providing the fast response.

# GOALS & OBJECTIVES

Our projects introduces railway reservation system with an objective to make the reservation system more efficient easier and fast.This project explores how computer technology can be used to solve the problem of user.The main objectives provided by this software are as follows:

* To enquire about availability of trains
* To modify the information related to

a)Trains

1. Time Table

2. Train Name

3. Train Number

b)Ticket Fare

* To enquire about different available packages
* To search the services offered on train and on station

This project is dedicated to model existing railway reservation system that aim at development of Railway Reservation System that facilitates the railway customer to manage their reservations and the railway administrator to modify the backend database in user – friendly manner.

# OBJECTIVE

The objectives of the system are-

* To reduce paperwork
* Reduced operational time
* Increased accuracy and reliability
* Fast process
* Increased operational efficiency
* Data security

This software package can be readily used by non-programming personal avoiding human handled chance of error.This project will be used by three types of users:

* Railway Administrator
* Authorized Railway Reservation counters
* Passengers

Administrator can access and modify the information stored in the database of this system includes searching and booking of train between given information,finding trains and also managing the user and passenger details etc.

Reservation counters can work on the system forms only but cannot modify the information which is only accessed by Administrator.

Passengers can search by providing details ,make reservation after informations ,book meals ,search for services at stations.

Department Director can maintain daily updates in details and print reports (e.g: Passenger Status) according to need. Administrator is must be an authorized user.

Website can be upgraded according to user’s and administrator requirements with little changes.

# MODIFICATION AND IMPROVEMENT OVER THE EXISTING IMPLEMENTATION

Present State:

* Currently used software lacks human friendly interface
* Time consumed in accessing the records of the database.
* User has to wait for a long time in the queue to get the reservation.
* Facilitates of the software cannot be accessed online/other than departments systems
* There is no option to send the reports via email.

After implementation of projects:

* Easy to use GUI
* The software will be accessed online by Administrator for authorized data by reservation counters for reservation and by passenger for search for trains from a particular source to destination
* Time saving and Facilitates of the software will be access online.
* New features as per requirements

SCOPE:

This project has a large scope as it has the following features which help in making it easy to use and

Understand and modify it:

* Automation of Reservation Status
* No need to do Paper work
* To save the environment by using paper free work
* To increase the accuracy and efficiency of the software.
* Management of Online Database
* Management of Online Payment

Main points are:

* Simplified managements of passengers
* Can be used online
* Online Payment System
* Human friendly interface

# **SIGNIFICANCE OF PROJECT**

The significance of the project is to provide the following benefits:

* The significance of project is to automate the Reservation
* The online facility of the software will make it more efficient.
* The website will be implemented by the officials of Railway Management System.