SriLanka Institute of Advance Technological Education



**Project Name:**

**Online Railway Reservation System**

**Submitted To:**

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**Submitted by:**

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# 1.0. Introducing Online Railway Reservation System

Technology has transformed many aspects of life in the 21st century, including the way many of us make train reservations. For example, to make ticketing more convenient for travellers, Srilanka Railways has started an online reservation system, which helps us in booking tickets from the comfort of our homes or offices. While this is convenient for most people, it has made things particularly easier for people residing in remote locations.

The system is basically concerned with the reservation and cancellation of railways tickets of the passenger. The need of this system arose because as is the known fact that India has the largest railway network in the whole of the world and to handle it manually is quite a tough job. By computerizing it, we will be able to overcome many of its limitations and will be able to make it more efficient. The handling of data and records for such a vast system is a very complex task if done manually but it can be made easier if the system is computerized.

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# 2.0. Abstract

Railway Reservation System is a complex online distributed transaction application based on client server architecture. The salient features of the software include allowing user from anywhere to do a booking for a journey in any train in any class from anywhere to anywhere; handling reservation, modifications cancellation/refunds.

This project is all about the railway reservation online i.e., Software includes allowing user from anywhere to do a booking for a journey in any train in any class from anywhere to anywhere; handling reservation, modifications cancellation/refunds.

# 3.0. Problem Background

In the existing system Reservation is done manually by a user at railway reservation counters. User has to wait for a long time in the queue to get the reservation. Like this wasting the time of user and for this lot of man power is required. And lot of paper work is also required.

# 4.0. Proposed Solution

To avoid all the above pitfalls the system proposed is “Railway Reservation System”. In this all the reservation process through online. This system saves money, manpower, time. It provides security compared to existing system.

The basic functions being performed by our system are status, reservation and cancellation. These functions will be handles with the help of following sub functions:- It reserves and cancels seats of passenger. It contains Information about the stations.

* It contains information about the trains.
* It contains information about the passenger.
* It contains the details of reservations fare.
* It makes entries for reservation, waiting, cancelled tickets.
* It will update for uptime and downtime trains.
* The passenger could search for trains from a particular source to destination.
* The record of train status includes dates for which tickets can be booked, total number of seats available, number of seats already booked and waiting slot

# 5.0 USE CASE DIAGRAM

# 6.0 Estimated schedule

**Dec 20- Jan 3:**

Study something about Larval to get some knowledge.

Find the problem.

**Jan 4- Jan 17:**

Find the requirement.

Arrange all requirements to our project, and write down all requirements.

**Jan 18-Jan 24:**

Understanding and realizing the design and source code.

Create the design of the project, according to our requirement.

**Jan 25- Jan22:**

Starting the coding of the project according to our design.

**Jan 23- Feb 2:**

Functionality and performance testing.

Documenting test results.

**Feb 13- Feb 26:**

Documenting the implementation details of the project.

Documenting the final report.

The above schedule is only an estimation that we planned to carry out within this project. If we can finish early to above mentioned time period.