**A PROJECT REPORT ON**

**FLIGHT TICKET BOOKING**

**A project report submitted in the partial fulfillment of the**

**Requirement for the award of the degree of**

**BACHELOR OF TECHNOLOGY  
in**

**COMPUTER SICENCE & ENGINEERING**

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**ABSTRACT**

Airline reservation System is a computerized system used to store and retrieve information and conduct transactions related to air travel. The project is aimed at exposing the relevance and importance of Airline Reservation Systems. It is projected towards enhancing the relationship between customers and airline agencies through the use of ARSs, and thereby making it convenient for the customers to book the flights as when they require such that they can utilize this software to make reservations.

After search the system display list of available flights and allows customer to choose a particular flight. Then the system checks for the availability of seats on the flight. If the seats are available then the system allows the passenger to book a seat. Otherwise it asks the user to choose another flight

To book a flight the system asks the customer to enter his details such as name, address, city, state, and credit card number and contact number. Then it checks the validity of card and book the flight and update the airline database and user database. The system also allows the customer to cancel his/her reservation, if any problem occurs.

The main purpose of this software is to reduce the manual errors involved in the airline reservation process and make it convenient for the customers to book the flights as when they require such that they can utilize this software to make reservations, modify reservations or cancel a particular reservation.

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**BONAFIDE CERTIFICATE**

Certified that the Mini project report on **“AIRLINE RESERVATION SYSTEM”** is the bonafide work of “RASOOL” who carried out the project work under my supervision.

**SIGNATURE SIGNATURE**

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INTRODUCTION

The project aims to design an Airline Reservation System application which enables the customers to search and book flight. Airline Reservations Systems contain fare tariffs, passenger reservations and ticket records.

OVERVIEW OF THE PROJECT

The Airline Reservation System project is an implementation of a general Airline Ticketing website like Orbitz, which helps the customers to search the availability of flights, book and cancel the flight tickets. This project also covers adding, deleting or modifying the customer details and flights. In general, this website would be designed to perform like any other airline ticketing website available online.

PURPOSE OF THE PROJECT

The purpose of this project is to implement or to design a database for an airline reservation system to check the flight details, book and cancel flight tickets. It makes the process of booking and cancelling flight tickets simple and easy for the passengers.

PROBLEM DEFINITION

Normally a person wants to reserve his ticket and he has to contact at nearest Overseas Travels branch. The Airline Reservation System provides an interface to schedule flights and reservations for an airline through internet. Its responsibility is to keep track of system users, customers, Airbus information, flight information and cancellation.

PROJECT PLAN AND SCOPE OF THE PROJECT

Airline Reservation System is one the modifications that were carried out in the Passenger Service System so that the working and availability of Service area can be broadened. On one hand, it helps the customers and on the other, it also makes the life of the airline service companies easier by keeping all the records of the passengers and if there is any change in the fight due to some reason, the passengers are promptly informed. This system is also used by companies to keep track of user preferences of regular travelers so that they can provide better service and give offers to customer.

**2. SYSTEM ANALYSIS**

Systems analysis is the study of sets of interacting entities, including computer systems analysis. This field is closely related to requirement analysis or operations research .

It is also "an explicit formal inquiry carried out to help someone (referred to as the decision maker). It identifies a better course of action and make a better decision than he might otherwise have made."

The development of a computer-based information system includes a systems analysis phase which produces or enhances datamodel which itself is a precursor to creating or enhancing a database.

There are a number of different approaches to system analysis. When a computer-based information system is developed, systems analysis would constitute the following steps: The development of a feasibility study, involving determining whether a project is

• economically, socially, technologically and organizationally feasible. Conducting fact-finding measures, designed to ascertain the requirements of the system's

• end-users. These typically span interviews, questionnaires, or visual observations of work on the existing system

**2.1 GENERAL Systems**

analysis researchers apply methodology to the analysis of systems involved to form an database for checking their results.

System analysis is used in every field where there is a work of developing something. Analysis can also be defined as a series of components that perform organic function together

**2.2 EXISTING SYSTEM**

The existing system is that the passenger must fill up the data manually and must submit it to the reservation counter. It may take a lot of time to process it and to book the flight. Therefore there is wastage of time. Since the data is entered manually, the probability of error or mistakes is high

**2.2.1 DRAWBACKS OF EXISTING SYSTEM**

**Entering Record**

Entry of each record is done manually each time the record is done manual each time the record is maintained on paper and it maximizes the maintenance of additional files.

**Searching the record**

Due to absence of unique identification of a flight, the searching of record takes much time and increases the time wastage.

**Deleting the Record**

In the current system the concept of deleting record is tedious.

**Modification of Records**

If any modification is required it is done directly on the documents being preserved in correspondence to account information.

**2.3 PROPOSED SYSTEM**

To avoid the limitation of current system it’s necessary to design and develop a new system which have the following benefit and the existing system.

1. Everything is automated which reduce the risk factor.

2. Flexibility in generating of information.

3. Quick retrieved and maintenance of data.

4. Highly accurate. 5. User satisfaction.