**SYNOPSIS**

**Report on**

**Flight Reservation System**

**by**

Kumari Surbhi : 2200290140081

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Under the supervision of

**Mrs. Monika Kansal**

### KIET Group of Institutions, Delhi-NCR, Ghaziabad



### Department Of Computer Applications

**KIET GROUP OF INSTITUTIONS, DELHI-NCR, GHAZIABAD-201206**

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**ABSTRACT**

The Flight Reservation System is a crucial tool in the airline industry, simplifying the booking process for travelers. It offers features such as user authentication, flight search and selection, booking management, seat allocation, integration with ancillary services, real-time updates, and analytics. The FRS enhances efficiency, convenience, and customer satisfaction within the industry, providing a seamless travel experience for both airlines and passengers.

**TABLE OF CONTENTS**

Page Number

1. Introduction 1
2. Literature Review 2
3. Project / Research Objective 3
4. Project Flow/ Research Methodology
5. Project / Research Outcome 5
6. Proposed Time Duration 6
7. References/ Bibliography

**INTRODUCTION**

1.1. Project Overview

Airline Reservation System contains the details about flight schedules and its fare tariffs, passenger reservations and ticket records. Air Alliance operates fights to 30 destinations in India namely Allahabad, Bengzáru, Bhopal Bhuj, Dehradun, Delhi, Diu, Gorakhpur, Guwahati, Hyderabad, Jabalpur, Jaipur, Jamanı, Kanpur, Kochi, Kokata, Kulu, Mumbai, Pantnagar, Pune, Raipur, Ranchi, Shimla, Surat, Vijayawada, Tezpur and Tirupati

1.2. Project Description

Arline Reservation System will hold fight schedules and is fire tariffis, passenger reservations and ticket records. It saves time as it allows online procedure as users no konger to wait in a queue to book the flights. It is automatically generated by the server. Admin is the main authority who can do addition, deletion, and modification of flights if required.

The project has been planned to be having the view of distributed architecture, with centralized storage of the database. The application for the storage of the data has been planned. Using the constructs of Database Mysql and all the user interfaces have been designed using the Adobe Dreamweaver technologies.

The database connectivity is planned using the "SQL Connection" methodology. The standards of security and data protective mechanism have been given a big choice for proper usage. The application takes care of different modules and their associated reports, which are produced as per the applicable strategies and standards that are put forwarded by the administrative staff.

The entire project has been developed keeping in view of the distributed client server computing technology, in mind. The specification has been normalised up to 2NF to eliminate all the anomalies that may arise due to the database transaction that are executed by the general users and the organizational administration. The user interfaces are browser specific to give distributed accessibility for the overall system. The internal database has been selected as Database MySQL.

The Airline Reservation System project is an implementation of a general Airline Ticketing website like Orbitz, which helps the customers to search the availability and prices of various airline tickets, along with the different packages available with the reservations.

This project also covers various features like online registration of the users, modifying the details of the website by the management staff or administrator of the website, by adding, deleting or modifying the customer details, flights or packages information. In general, this website would be designed to perform like any other ticketing website available online.

1.3. Definitions, Acronyms, and Abbreviations

Personal Details: Details of passengers such as user id, phone number, address, passport no, e-mail address etc.

Contact Detalls: Details of contact associated with the plissenger.

SRS: System Requirement Specification

WWW: World Wide Web

MySQL: is a RDBMS based on SQL which is used for adding, removing, and

modifying information in the database.

RDBMS: Relational Database Management System

HTML: Hypertext Markup Language

PHP: Hypertext Preprocessor

CSS: Cascading Style Sheet

HTTP: Hypertext Transfer Protocol

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