

**MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR**  
(A Govt. Aided UGC Autonomous & NAAC Accredited Institute Affiliated to RGPV, Bhopal)



**Skill Based Mini Project Report**

**on**

**AIRLINE MANAGEMENT SYSTEM**

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**0901CS201086**

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**Submitted to:**

**DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING**  
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**MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR**  
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## **CERTIFICATE**

This is certified that **Pranshu Adhwaryu** (0901CS201086) has submitted the project report titled Taxi Management system under the mentorship of asst. Ms. Jaimala Jha , in partial fulfilment of the requirement for the award of degree of Bachelor of Technology in Computer Science and Engineering from Madhav Institute of Technology and Science, Gwalior.



Ms. Jaimala jha ma'am  
Faculty Mentor  
Assistant professor  
Computer Science and Engineering

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### **DECLARATION**

I hereby declare that the work being presented in this project report, for the partial fulfilment of requirement for the award of the degree of Bachelor of Technology in Computer Science and Engineering at Madhav Institute of Technology & Science, Gwalior is an authenticated and original record of my work under the mentorship of Ms. Jaimala jha ma'am, Assistant professor , Department of computer science and engineering .

I declare that I have not submitted the matter embodied in this report for the award of any degree or diploma anywhere else.

**Pranshu Adhwaryu**

(0901CS201086)

2nd Year,

Computer Science and Engineering

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### **ACKNOWLEDGEMENT**

The full semester project has proved to be pivotal to my career. I am thankful to my institute, **Madhav Institute of Technology and Science** to allow me to continue my disciplinary/interdisciplinary project as a curriculum requirement, under the provisions of the Flexible Curriculum Scheme (based on the AICTE Model Curriculum 2018), approved by the Academic Council of the institute. I extend my gratitude to the Director of the institute, **Dr. R. K. Pandit** and Dean Academics, **Dr. Manjaree Pandit** for this.

I would sincerely like to thank my department, **Department of Computer Science and Engineering, for allowing** me to explore this project. I humbly thank **Dr. Manish Dixit**, Professor and Head, Department of Computer Science and Engineering, for his continued support during the course of this engagement, which eased the process and formalities involved.

I am sincerely thankful to my faculty mentors. I am grateful to the guidance Ms. Jaimala jha ma'am, Assistant professor , Department of computer science and engineering , for her continued support and guidance throughout the project. I am also very thankful to the faculty and staff of the department.

**Pranshu Adhwaryu**

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2nd Year,  
Computer Science and Engineering

## **Abstract**

Through this project Airlines Management System, I have managed the database of Different Airlines which includes data like

The airline no, Customer Id, Name, Address, traveling from and Traveling To, and date of Arrival/Departure.

The Database is divided into two parts

1. Admin Panel
2. User Base

Admin Panel is for the Admin to manage and access data that is hidden from the user

The user base has data of all the users who took flight in past/the future.

# **INTRODUCTION**

This project aimed to create a Database to Manage Airlines System Effectively and Efficiently.

# **Table Of Content:**

Abstract

Chapter 1: Introduction

Chapter 2: Database Table

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# Airlines Management System

## Tables -

3 tables are used to store data i.e. States, City, Flights

1. States - This table contains  
stateid, (Primary key)  
statesname
2. City - This table contains  
Stateid, (Foreign Key)  
Cityid, (Primary key)  
Cityname
3. Flights -  
Flightid, (Primary Key) Companyname,  
Sourcestateid,(Foreign Key)  
Sourcecityid, (Foreign Key)  
Destinationstateid, (Foreign Key)  
Destinationcityid, (Foreign Key) status,  
flightclass,  
sourcetiming,  
destinationtiming,  
days,  
Image.

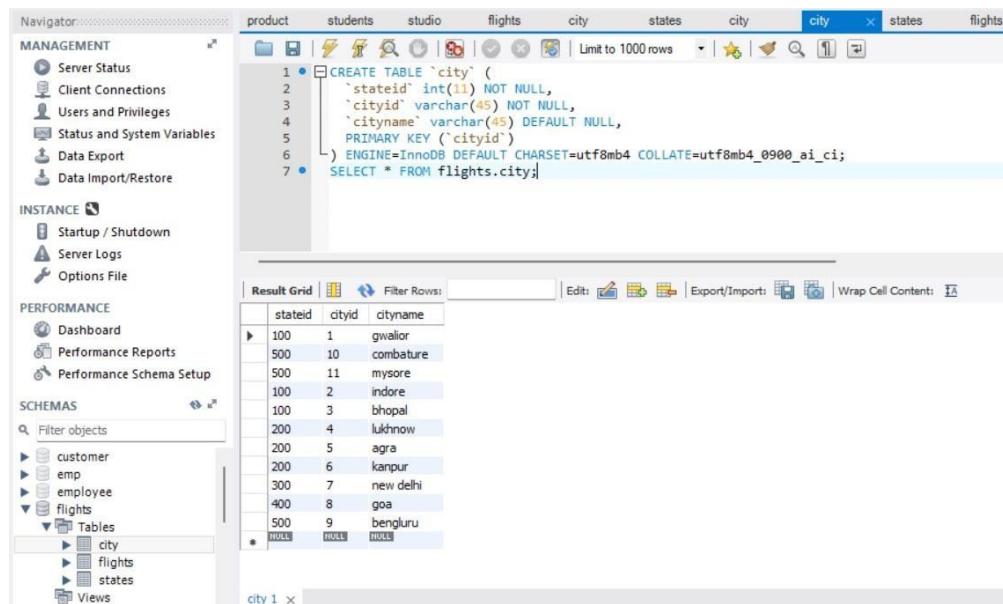
## DBMS USED:

**MySQL Workbench** has been used for this Project.

## SQL QUERY:

### CITY

```
CREATE TABLE `city` (
  `stateid` int(11) NOT NULL,
  `cityid` varchar(45) NOT NULL,
  `cityname` varchar(45) DEFAULT NULL,
  PRIMARY KEY (`cityid`)
);
SELECT * FROM flights.city;
```



The screenshot shows the MySQL Workbench interface. The left sidebar contains a 'Navigator' with sections for MANAGEMENT, INSTANCE, and SCHEMAS. Under SCHEMAS, the 'flights' schema is selected, showing tables like customer, emp, employee, flights, and states. The main area has tabs for product, students, studio, flights, city, states, and city. The 'city' tab is active, showing the SQL query and its results. The results grid displays the following data:

stateid	cityid	cityname
100	1	gwalior
500	10	combature
500	11	mysore
100	2	indore
100	3	bhopal
200	4	lukhnow
200	5	agra
200	6	kanpur
300	7	new delhi
400	8	goa
500	9	bengluru
*	HULL	HULL

## STATES

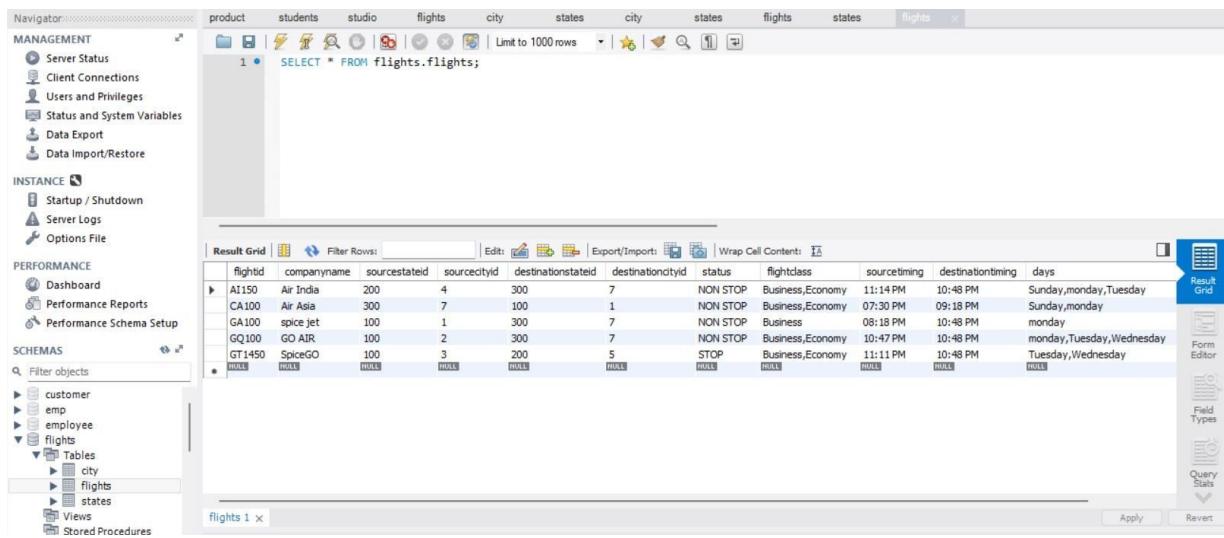
```
CREATE TABLE `states` (
  `stateid` int(11) NOT NULL,
  `statesname` varchar(45) DEFAULT NULL,
  PRIMARY KEY (`stateid`)
);
SELECT * FROM flights.states;
```

The screenshot shows the MySQL Workbench interface. The left sidebar contains navigation links for MANAGEMENT, INSTANCE, PERFORMANCE, and SCHEMAS. The SCHEMAS section shows the 'flights' schema with tables: customer, emp, employee, flights, and states. The main area shows the results of the query 'SELECT \* FROM flights.states;'. The results grid displays the following data:

stateid	statesname
100	madhya pradesh
200	uttar pradesh
300	new delhi
400	Goa
500	karnatka
*	NULL

## FLIGHTS

```
CREATE TABLE `flights` (
  `flightid` varchar(40) NOT NULL,
  `companynam` varchar(45) DEFAULT NULL,
  `sourcestateid` int(11) DEFAULT NULL,
  `sourcecityid` int(11) DEFAULT NULL,
  `destinationstateid` int(11) DEFAULT NULL,
  `destinationcityid` varchar(45) DEFAULT NULL,
  `status` varchar(45) DEFAULT NULL,
  `flightclass` varchar(45) DEFAULT NULL,
  `sourcetiming` varchar(45) DEFAULT NULL,
  `destinationtiming` varchar(45) DEFAULT NULL,
  `days` varchar(45) DEFAULT NULL,
  `logo` varchar(45) DEFAULT NULL, PRIMARY
  KEY (`flightid`)
)
```



The screenshot shows a database management interface with a sidebar navigation and a main query and results area.

**Navigator:**

- MANAGEMENT
  - Server Status
  - Client Connections
  - Users and Privileges
  - Status and System Variables
  - Data Export
  - Data Import/Restore
- INSTANCE
  - Startup / Shutdown
  - Server Logs
  - Options File
- PERFORMANCE
  - Dashboard
  - Performance Reports
  - Performance Schema Setup
- SCHEMAS
  - customer
  - emp
  - employee
  - flights
    - Tables
      - city
      - flights
      - states
    - Views
    - Stored Procedures

**Query Bar:** product students studio flights city states city states flights states Rights

**Query:** 1 • SELECT \* FROM flights.flights;

**Result Grid:**

flightid	companynam	sourcestateid	sourcecityid	destinationstateid	destinationcityid	status	flightclass	sourcetiming	destinationtiming	days
AI150	Air India	200	4	300	7	NON STOP	Business,Economy	11:14 PM	10:48 PM	Sunday,monday,Tuesday
CA100	Air Asia	300	7	100	1	NON STOP	Business,Economy	07:30 PM	09:18 PM	Sunday,monday
GA100	spice jet	100	1	300	7	NON STOP	Business	08:18 PM	10:48 PM	monday
GQ100	GO AIR	100	2	300	7	NON STOP	Business,Economy	10:47 PM	10:48 PM	monday,Tuesday,Wednesday
GT1450	SpiceGO	100	3	200	5	STOP	Business,Economy	11:11 PM	10:48 PM	Tuesday,Wednesday

## **RESULT**

The objective has been achieved by the MYSQL workbench

### **Conclusion:**

Like Airlines management systems much other Management systems can also be made like Library Management, School management, Staff Management Etc...