



## **AIRPORT MANAGEMENT SYSTEM**

### **Synopsis**

#### **Introduction**

This airport management system utilises the concepts of database management systems to incorporate the management of various departments of an airport. The database holds the information required to carry out the complete process, from departure and landing, to catering and baggage collection smoothly to ensure user satisfaction.

#### **Modules**

##### **1. Airport Operations Module**

Airport Info: Contains details about the airport including name, location, and facilities.

Gate Info: Information about the gates, including their locations and usage.

##### **2. Passenger Management Module**

Passenger Info: Contains personal details of passengers such as names, contact information, and IDs.

Ticket Info: Includes ticket details for passengers, such as departure and arrival times, ticket number, and seat allocation.

##### **3. Flight Management Module**

Flight Info: Comprehensive flight details including flight numbers, schedules, statuses, and associated aircraft.

##### **4. Baggage Handling Module**

Baggage Info: Information on baggage including tags, owners, and status updates during processing.

##### **5. Catering and Services Module**

Catering Info: Information on catering services provided in flight, including provider details, menus, and service times.

##### **6. Security Management Module**

Security Info: Contains details about security personnel, checkpoints, security protocols, equipment status and incident reports.

#### **Software Requirement**

- Visual Studio Code (2022)
- Relational Database: MySQL
- Data access: VC#, JavaScript
- Frontend: HTML, CSS, JavaScript
- Collaboration: GitHub

#### **Group Member Details**

- Suvan Kumar Shee (Reg no: ) [Batch 2]
- Armaan Gupta (Reg no: ) [Batch 2]
- Gokul Nair (Reg no: 230953382) [Batch 2]