



# PES UNIVERSITY

Department of Computer Science

UE22CS341A: Software Engineering

## Synopsis For Airport Management

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# Abstract

This project is aimed at better managing the features of an airport to streamline the experience of the commuter. This project deals with the management of airlines, commuters and airports. The system provides a broad overview of all the factors that influence the running of an airport.

## Objectives:

This project will enhance passenger experience by reducing wait times and lower price points, but also ease the work of the management staff and the security present, by identifying flagged customers during check in. Thus, raising the airport to international aviation standards.

## Key Features:

- 1) Real time tracking: Using the available data that has been logged onto the database, queries can be run on it to provide status of flights.
- 2) Passenger management: Allows a more efficient check in system. This is done by automating the check in process, thus improving inflow of passengers.
- 3) Security checks: Suspect passengers whose passports have been flagged, will be visible in the database and hence can easily be identified when the flagged customer tries to check in. Thus, preventing crime.
- 4) Data analysis: Huge chunks of data can be studied, from where important decisions can be made to increase the profits of airlines.
- 5) Easy re-routing: When a passenger's flight gets cancelled, the airline usually postpones their trip or offers a refund. This is a huge problem, especially when there are time-based trips. This can be handled in a different way. Using advanced database queries, the system can analyse and then suggest a new path to the customer irrespective of the airline, but at least on the same day of the original trip. This allows the passenger to reach his destination with minimal delays.
- 6) Lower price and future planning: When the customer wants to book a flight, he can review on which particular dates the price of the flight shoots up or when it is at a lower price.