



Innovation in Teaching Learning Process

Case study on Successful and Failed Airport

Name of the Innovation	: Case Study on Successful and Failed Airport
Course Code and Name	: 2AEAT301 - Airport Operation and Air Traffic Control
Class and Semester	: T.Y Minor
Academic Year and Term	: 2024-2025 & Odd
Faculty Name and Designation	: Mr. L. Oblisamy, Assistant Professor

Introduction:

Airports are complex ecosystems that serve as critical nodes in global transportation networks. Their success or failure depends on multiple interrelated factors such as infrastructure quality, operational efficiency, regulatory environment, stakeholder coordination, and passenger experience. With increasing air traffic, economic pressures, and sustainability demands, airport management needs to adopt innovative techniques to evaluate and enhance performance. This case study explores both successful and failed airports, using a structured technique to identify the key drivers behind their outcomes and extract lessons for future development.

Motivation/Purpose of Innovative Technique:

The purpose of this case study is to apply an innovative evaluation technique—**Research study on successful and failed airports**—to analyze and compare airports with contrasting outcomes. This technique enables a deeper, data-informed understanding of what contributes to airport success or failure beyond conventional metrics. By systematically examining governance models, technological integration, passenger services, and resilience factors, the study aims to uncover actionable insights that can guide strategic planning, policy formulation, and airport design worldwide. The ultimate goal is to provide a replicable framework for improving airport performance and avoiding pitfalls seen in underperforming facilities.

Procedure Followed:

One Activity Based Assessment (ABA) Techniques were provided to students as a part of their In-Semester Evaluation (ISE) for a weightage of 20% of the overall assessment. The following are the details of the assessment.



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Activity Based Assessment No 1

Class: T.Y. B. Tech, Minor

Semester - V

Course Code :2AEAT301

Course Title : Airport Operation and Air Traffic Control

Case study on Successful and Failed Airport

Graded Assignment : 20 Marks (50 % Weightage in ABA)

Deadline for Submission: 31st August 2024, (11:59 PM)

Objective:

To analyze and compare the factors contributing to the success or failure of selected airports using an innovative evaluation technique, with the aim of identifying strategic, operational insights that can improve airport performance globally.

Rationale:

Develop a more holistic understanding of what drives airport success or failure. This approach will help aviation planners, managers, and policymakers make informed decisions that promote resilient and efficient airport systems.

Evaluation Criteria:

Key Success and failure Factors

Airport Profile

Impact on economy

Conclusion

Outcome:

Through this analysis, students understood how different factors like management strategies, infrastructure quality, passenger services, and operational efficiency affect the success or failure of airports. By using an innovative evaluation technique, students were able to compare real-world examples and identify best practices. This helped them gain valuable insights into how airports can improve their performance globally. Overall, the study enhanced the understanding of airport operations and encouraged them to think critically about strategic improvements in the aviation industry.

References:

1. <https://www.mbrprojectsolutions.com/blog/project-management-case-study-denver-baggage-fiasco>