Airport Feasibility Studies Training Course

Professional Development Training Course Outline

Category	Aviation and Airport Management	**Duration**	5 Days
Base Fee	$1,500 USD	**Delivery Mode**	Online / On-site Hybrid

Course Introduction

Airport Feasibility Studies Training Course is designed to equip aviation professionals with advanced knowledge and practical skills required to conduct effective airport feasibility assessments, investment evaluations, and strategic development studies. The course focuses on modern airport planning principles, aviation market analysis, demand forecasting, financial feasibility modelling, environmental assessment, and infrastructure development strategies aligned with global aviation standards. Participants will gain expertise in evaluating airport viability, assessing operational requirements, analysing economic impacts, and developing evidence-based recommendations for sustainable airport investments.

With the rapid growth of global air transportation, airport expansion projects require accurate feasibility studies to minimize risks and maximize long-term returns. This training course integrates international best practices, smart airport concepts, aviation economics, sustainability frameworks, and real-world case studies from leading airports worldwide. Participants will learn how to apply analytical tools and decision-making frameworks to support airport authorities, investors, governments, and aviation stakeholders in making informed infrastructure development decisions.

Programme Curriculum

Airport Feasibility Studies Training Course

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Course Objectives

Upon completion of this course, participants will be able to:

1. Understand advanced airport feasibility study frameworks and aviation infrastructure planning processes.
2. Develop professional airport demand forecasting and traffic analysis models.
3. Apply aviation economics principles to evaluate airport investment opportunities.
4. Conduct comprehensive financial feasibility assessments and cost-benefit analyses.
5. Analyse airport operational requirements and capacity development strategies.
6. Evaluate environmental, social, and sustainability considerations in airport projects.
7. Apply risk management techniques in airport feasibility and investment decisions.
8. Understand airport master planning and strategic infrastructure development.
9. Develop effective feasibility study reports using global aviation standards.
10. Analyse airport market potential and competitive positioning.
11. Evaluate public-private partnership models for airport development.
12. Apply digital transformation and smart airport concepts in feasibility assessments.
13. Improve decision-making skills for sustainable aviation infrastructure investments.

Organizational Benefits

1. Improved ability to evaluate airport investment opportunities and development proposals.
2. Enhanced decision-making through accurate aviation feasibility analysis.
3. Better risk identification and mitigation during airport expansion projects.
4. Increased capability to prepare professional airport feasibility reports.
5. Improved understanding of airport financial sustainability and profitability.
6. Stronger alignment with international aviation planning standards.
7. Enhanced capacity to manage airport infrastructure development projects.
8. Improved stakeholder engagement and investment planning.
9. Increased operational efficiency through strategic airport planning.
10. Better preparation for future aviation growth and market changes.

Target Audiences

1. Airport executives and senior management professionals.
2. Aviation planners and airport development specialists.
3. Government aviation authorities and regulators.

4. Airport investment and infrastructure consultants.
5. Civil aviation engineers and project managers.
6. Airline strategy and airport operations professionals.
7. Financial analysts involved in aviation projects.
8. Consultants supporting airport development initiatives.

Course Duration: 5 days

Course Modules

Module 1: Fundamentals of Airport Feasibility Studies

- Introduction to airport feasibility study concepts and strategic importance.
- Understanding airport development lifecycle and planning frameworks.
- Key components of professional feasibility assessment reports.
- Role of feasibility studies in airport investment decisions.
- Global case study: Feasibility planning approach used for Dubai International Airport development.
- Practical exercise on identifying airport project feasibility requirements.

Module 2: Airport Market Analysis and Traffic Forecasting

- Methods for analysing aviation markets and passenger demand trends.
- Airport catchment area analysis and competitive benchmarking.
- Passenger, cargo, and aircraft movement forecasting techniques.
- Data analytics approaches for aviation demand prediction.
- Global case study: Heathrow Airport traffic forecasting and expansion assessment.
- Practical development of airport demand forecasting models.

Module 3: Airport Financial Feasibility and Investment Analysis

- Principles of airport financial modelling and investment evaluation.
- Revenue forecasting, operational costs, and profitability assessment.
- Cost-benefit analysis techniques for airport projects.
- Investment appraisal methods including NPV and ROI analysis.
- Global case study: Istanbul Airport financial development model.
- Practical preparation of airport investment evaluation reports.

Module 4: Airport Capacity Assessment and Infrastructure Planning

- Evaluating runway, terminal, and airside capacity requirements.
- Airport infrastructure demand analysis and expansion planning.
- Understanding passenger processing and operational efficiency.
- Integration of airport master plans with feasibility studies.

- Global case study: Singapore Changi Airport expansion planning.
- Practical assessment of airport infrastructure requirements.

Module 5: Environmental, Social, and Sustainability Assessment

- Environmental impact considerations in airport development.
- Sustainable airport design and green aviation strategies.
- Noise management and community engagement approaches.
- Climate resilience planning for airport infrastructure.
- Global case study: Amsterdam Schiphol sustainability initiatives.
- Developing sustainability recommendations for airport projects.

Module 6: Risk Management and Project Evaluation

- Identifying financial, operational, and technical project risks.
- Developing airport feasibility risk assessment frameworks.
- Risk mitigation strategies for aviation investments.
- Managing uncertainties in airport development projects.
- Global case study: Berlin Brandenburg Airport project challenges.
- Practical creation of airport project risk management plans.

Module 7: Airport Business Models and Public-Private Partnerships

- Understanding airport ownership and management models.
- Evaluating public-private partnership structures.
- Investment strategies for airport modernization projects.
- Stakeholder analysis and partnership development.
- Global case study: Delhi Airport private management model.
- Practical evaluation of airport business opportunities.

Module 8: Developing Professional Airport Feasibility Reports

- Structure and presentation of comprehensive feasibility reports.
- Developing strategic recommendations for airport investments.
- Applying international aviation standards and guidelines.
- Communicating feasibility findings to decision-makers.
- Global case study: King Abdulaziz International Airport development assessment.
- Final project: Preparation and presentation of an airport feasibility study.

Training Methodology

- Instructor-led presentations covering airport feasibility principles and industry practices.
- Interactive discussions focusing on aviation challenges and solutions.
- Global airport case study analysis and practical applications.
- Group exercises involving feasibility modelling and project evaluation.
- Workshops on airport investment analysis and report preparation.
- Simulation activities for airport planning decision-making.
- Expert discussions on emerging aviation trends and technologies.

Register as a group from 3 participants for a Discount

Send us an email: info@fineskilltrainingcenter.org or call *+254769199797*

Certification

Upon successful completion of this training, participants will be issued with a globally- recognized certificate.

Tailor-Made Course

We also offer tailor-made courses based on your needs.

Key Notes

a. The participant must be conversant with English.

b. Upon completion of training the participant will be issued with an Authorized Training Certificate

c. Course duration is flexible and the contents can be modified to fit any number of days.

d. The course fee includes facilitation training materials, 2 coffee breaks, buffet lunch and A Certificate upon successful completion of Training.

e. One-year post-training support Consultation and Coaching provided after the course.
f. Payment should be done at least a week before commence of the training, to Fineskill Training Center account, as indicated in the invoice so as to enable us prepare better for you.

Upcoming Scheduled Sessions

Start Date	End Date	Location	Price
23 Nov 2026	27 Nov 2026	Online	$1,000
23 Nov 2026	27 Nov 2026	Physical	$1,500
23 Nov 2026	27 Nov 2026	Physical	$3,000

Start Date	End Date	Location	Price
23 Nov 2026	27 Nov 2026	Physical	$3,000
23 Nov 2026	27 Nov 2026	Physical	$6,000
23 Nov 2026	27 Nov 2026	Physical	$4,500
23 Nov 2026	27 Nov 2026	Physical	$6,000
23 Nov 2026	27 Nov 2026	Physical	$6,000

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