

Effective from A.Y: 2019-20

Learning objective: The learner will be able to understand the airline project management process.

Course Methodology:

Lectures/ tutorials/laboratory work/ field work/ outreach activities/ project work/ vocational training/viva/ seminars/ term papers/assignments/ presentations/ self-study/ Case Studies etc. or a combination of some of these. Sessions shall be interactive in nature to enable peer group learning

Syllabus:

UNIT 1: Project Formulation	12 Hours
Introduction to aviation project management, History, Meaning and definition, Features of projects, Classification, Types, Project formulation, Project life cycle	
UNIT 2: Project Feasibility Study	12 Hours
Meaning, Stages in aviation project formulation, Need for feasibility studies; TELOS Approach, Project report preparation, Project Support Facilities, Need for support system, Nature and types of project supporting facilities, Incentives and subsidies, Government and Institutional support	
UNIT 3: Project Control Systems	12 Hours
Project control methods, Selection of project, Portfolio theory approach, Network analysis and decision-making: PERT and CPM techniques, Project scheduling	
UNIT 4: Risk Management	12 Hours
Risk management process, Type of risks, Risk Identification and Measurement, Measurement methods, Probability approach, Disaster management in Aviation, Business continuity plan	

Suggested Readings:

1. Lock, D., and Triant, G. 'Aviation Project Management'. (Latest Edition), Routledge, USA
2. Flouris, T.G. and Lock, D. 'Managing Aviation Projects: Concept to Completion'. (Latest edition), Routledge, USA
3. Kerzner, Harold, 'Project Management Case Studies'. (Latest Edition), Wiley, UAE

Learning outcomes:

The learner will be able to:

1. Draft a project proposal.
2. Understand a project feasibility study.
3. Understand the project control systems.
4. Identify and measure the types of risks in projects.