

Effective from A.Y: 2019-20

**Learning objective:** The learner will be able to understand the operational aspects of an International Airport.

**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:**

<b>UNIT 1:Introduction to the Aviation Industry</b>	<b>12 Hours</b>
History of Aviation Industry, Influence of Air transport, Service providers in the Air Transport Industry, Partnership in the Aviation Industry, Socio-Environmental and Economic Impact of Aviation Industry.	
<b>UNIT 2: Air Side Operations</b>	<b>12 Hours</b>
Airport terminal design, Types of terminals, Types of passengers, Types of baggage, Airport certifications, Role of ICAO, Regulations set by DGCA and International Associations, Safety and Security in Airports, Safety Plans, Inspections and Audits, Permits to Operate Vehicles, Foreign Object Damage Control and Management, Identification of dangerous passengers, Civil Security and Evacuation Plans.	
<b>UNIT 3: Primary Support Systems in an Airport</b>	<b>12 Hours</b>
Primary Support Systems, Fire and Rescue, Medical Services, Aircraft Recovery, Secondary Support Systems, Airport Services, Maintenance, Facilities, Storm Water Management, Solid Waste Management.	
<b>UNIT 4: Role of Private Public Partnership in Airports</b>	<b>12 Hours</b>
Role of Private Public Partnership in Airports, Role of AAI and GMR, Best Practices and Study of Worlds Best Airports, Future of Airports in India, Comparative studies of International Airports.	

**Suggested Readings:**

1. Graham, Anne. 'Managing Airports : International Perspective'. (Latest edition), Routledge, London.
2. Baker, M.B., 'Airline Traffic and Operations'. (Latest edition), McGraw-Hill, New Delhi.
3. Rodwell, J.F. 'Essentials of Aviation Management. A Guide for Aviation Service Business'. (Latest edition), Kendall Hunt, USA.
4. Wald, A., Fay, C., and Gleich, R. 'Introduction to Aviation Management'. (Latest edition), LIT Verlag, Munster

**Learning outcomes:**

The learner will be able to:

1. Understand the Socio-Environmental-Economic impact of an airport.
2. Understand the safety standards in an airport.
3. Identify the primary support systems in an airport.

