

COURSE TITLE	SECURITY MANAGEMENT IN AVIATION INDUSTRIES
COURSE CODE	04AH0401
COURSE CREDITS	4

Course Outcomes: After completion of this course, student will be able to:

- 1 Identify and categorize different types of threats to aviation security, including terrorist threats, cyber threats, insider threats, and natural disasters.
- 2 Evaluate the national and international regulations governing aviation security, including security protocols, legal frameworks
- 3 Apply Coordinate and manage responses to security incidents involving multiple agencies
- 4 Identify and categorize different types of threats to aviation security, including terrorist threats, cyber threats, insider threats, and natural disasters.
- 5 Analyse legal frameworks governing aviation security and analyse ethical considerations in passenger privacy and security measures.

Pre-requisite of course:NA

Teaching and Examination Scheme

Theory Hours	Tutorial Hours	Practical Hours	ESE	IA	CSE	Viva	Term Work
4	0	0	25	30	20	25	0

Contents : Unit	Topics	Contact Hours
1	Introduction to safety and Security in aviation Introduction to Security Management and Infrastructure of Airport, Rules and regulations of Indian civil aviation, IATA and ICAO for security Roles	15
2	Airport Security Operations and security technology Security at airport , Landside and Airside Security, Critical Security Zones in the Airport, Physical Security Systems	15
3	Types of emergency at airport and handling procedures Bomb threat handling at ground and in aircraft , Hijacking Threat, VVIP Security, Act of God	15
4	Advance security in aviation Cybersecurity in Aviation , Pandemic situation in Aviation, Logistic Security in Aviation, Handling Hazard materials	15
Total Hours		60

Textbook :

- 1 Aviation Management “Global and National Perspective , Ratandeep Singh., House (1 Jan. 2009), 2023
- 2 The Wright Brothers , David Mccullough, Simon & Schuster; Book Club Edition, 2022
- 3 Safety Management Systems in Aviation, Alan J. Stolzer, Robert L. Sumwalt, CRC Press, 2023

References:

- 1 Strategic Airport Planning, Strategic Airport Planning, Robert E. Caves & Geoffrey D. Gosling, Asian Books, 2022
- 2 Aviation Security Management, Aviation Security Management, Andrew R. Thomas, Praeger, 2013

Suggested Theory Distribution:

The suggested theory distribution as per Bloom’s taxonomy is as follows. This distribution serves as guidelines for teachers and students to achieve effective teaching-learning process

Distribution of Theory for course delivery					
Remember / Knowledge	Understand	Apply	Analyze	Evaluate	Higher order Thinking / Creative
20.00	30.00	25.00	15.00	10.00	0.00

Instructional Method:

- 1 Project Based Learning, Case Based Learning, Flipped Classroom , Collaboration Learning