iiAAM
FOUNDATION

COURSE CATALOGUE

Training and Beyond...........

WHY AVIATION?

India is one of the fastest developing countries in the world. Aviation in India is broadly divided into two segments-Military and Civil aviation. The civil aviation industry in India has accelerated during the last 10 years. Currently, India is the third largest domestic aviation market in the world and is expected to be the world's largest domestic aviation market in the next 10 to 15 years.

The improvisation of various factors such as the introduction of low-cost carriers, modern airports, FDI in domestic airlines, the intervention of advanced information technologies and the ever-growing emphasis on regional connectivity has contributed towards a dynamic expansion of the civil aviation industry of India. According to a report, India has a large existing fleet of aircraft standing roughly at about 686 aircrafts.

Owing to the quick rise of the demands in the civil aviation, it is expected that another 925 aircraft will be added in the next 5 years. The aviation market has continued to maintain its double-digit growth and hence it is evident that the aviation industry in India is not just growing but rapidly growing at a very high scale.

It's a known fact that the government-owned Airports Authority of India (AAI) operates 137 airports in India and civil enclaves out of a total of 487 airports and airstrips located throughout India. And India has 34 operational International airports and expecting 15 more new airports in the next 3 years giving job opportunities to Lakhs of Aviation aspirants.

These positive impact of growth in the aviation industry is not entirely because of the huge investment it receives but also clearly because of the various major initiatives undertaken by the government. India, being a country with vast geographical extent, the need for connectivity has always been a top target for the government.

The introduction of the UDAN scheme by the government aims at making domestic connectivity especially the regional connectivity affordable and widespread.

Summary: It is un-denying fact that aviation in India is gaining good growth and there are even more opportunities to take it higher. The only requirement remains good policies and relentless focus on quality, cost and passenger interest. Which we can achieve by creating quality employees matching ever growing industry standards.

COURSES OFFERED

To be at par with industry requirements and standards, IIAAM has carefully designed curriculum that not only supports academica' but also enhances the industry oriented learning which enables the aspirants to get trained for the aviation industry along with gaining sufficient academic credentials.

Courses at IIAAM are offered as 3/6/11 month programs for those aspirants who envision strong academic credentials with a job / industry oriented learning. These courses are certified by JAINx- The Learning Hub, a unit of Jain University-Center for Skills, Bangalore.

CERTIFICATION IN AVIATION, TRAVEL AND TOURISM (60 HRS)

This course will enhance the Aviation & Tourism skill sets and will explore you through the Airport Operations & Customer Service Department such as Terminal Management Services in handling passengers & itinerary planning with an insight into airline geography, customer service and travel agencies, travel formalities.
Courses included:
- Genesis and Overview of Aviation
- Travel, Tourism and Hospitality

CERTIFIED SKILL DIPLOMA IN AIRPORT OPERATIONS (180 HRS)

This program will incubate you in hatching the skills of Airport operations including passenger handling, baggage handling, Load & Trim, Ramp Operations for Aircraft Turn Around activities, Air Traffic Control's Contribution to the sky as an angel of guardians in aircraft routing, Security Protocol & Law Enforcement Regulations, Apron Empowerment and much more.
Courses included:
- Genesis and Overview of Aviation
- Airport Operations-Basic
- Airport Operations- Advanced
- Regulatory Framework
- Air cargo and Logistics
- Cabin Crew Requisites & Grooming

CERTIFIED PROFESSIONAL DIPLOMA IN AVIATION MANAGEMENT (270 HRS)

This program gives a learner an overall knowledge on various operations at airport and airlines and also equips the learner with managerial skills relevant for aviation management. Variety of topics are covered in this course ranging from introduction to aviation until airport ,aircraft emergencies, safety management, maintenance management etc.,

Courses included:

- Genesis and Overview of Aviation
- Airport Operations-Basic
- Airport Operations- Advanced
- Regulatory Framework
- Air cargo and Logistics
- Cabin Crew Requisites & Grooming
- Airport, Aircraft Emergencies and Safety Management
- Aviation Maintenance Management
- Airport Management

INDUSTRY TRAINING

For those learners who are interested in enhancing their knowledge and skill in a specific domain or more, can get benefited through these exclusive domain specific training offered by industrial experts at IIAAM.
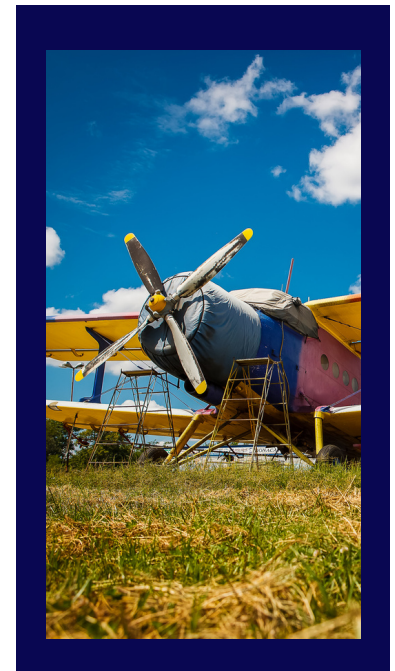
Domain specific trainings are offered ranging from few hours to few week programs for those aspirants who envision a job / industry oriented learning in specific domain. IIAAM provides a certificate to individuals for these courses upon successful completion of assessments and projects.

GENESIS AND OVERVIEW OF AVIATION

The course provides the foundation to the aviation industry and airport functional areas. It covers the basic knowledge of aviation origin, airports and airlines around world, aviation terminology, airport operations, environmental issues due to ever changing industry needs, an introduction to regulatory bodies in Aviation. It traces the historical evolution of aviation industry and thought on present trends in industry and also focuses on the contemporary challenges faced by the environment.

Modules included:

- Introduction
- Understanding an aircraft
- Airlines and Airports
- Aviation and Environment
- Airport Layout

AIRPORT OPERATIONS-BASIC

The course provides the foundation to Terminal Operations which include reception, processing, and staging of passenger, transit procedures at airport, disembark from an aircraft, storage, and marshalling of cargo. Students gain exposure on various operations of terminal including procedures related to the safe take-off and landing of commercial and military aircraft and coordinating activities between air traffic control and maintenance personnel, air ticketing, baggage handling etc.,

Modules included:

- Airport as an operating system
- Ground Handling
- Baggage Handling
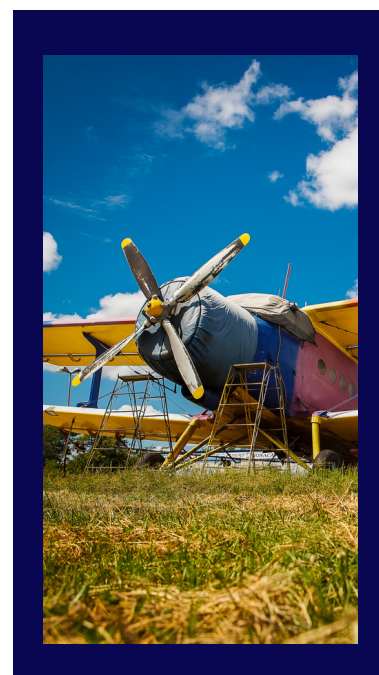- Passenger Terminal Operations

REGULATORY FRAMEWORK IN AVIATION

The course provides detailed and in-depth information about the Regulatory bodies in Aviation and their organizational structure, how the rules are made, and how Aircraft accidents are investigated. A basic knowledge about International Conventions is added in this course along with Civil Aviation Requirements and National Law which would be very much essential for the students if they seek a career as Pilots / Air Traffic Controllers or as Flight Dispatchers. This course enables the students to prepare for DGCA examinations as well.

Modules included:

- Regulatory Organisations and Rule making
- Aircraft Accident Investigation Bureau (AAIB)
- International Conventions
- Civil Aviation Requirements (CAR)
- National Law

AIRPORT OPERATIONS-ADVANCED

The course provides detailed and in-depth information about procedures to be followed at airport landside and airside areas. The course emphasizes operational readiness, how the cargo is handled within the terminal and at the apron, detailed documentation, and carrier process. Also, a detailed process of security and screening of passengers, baggage, freight and cargo, and overall airport security operations are included. Students also gain insights into how flight crew scheduling is done and a detailed process of operations to be carried out by a flight crew from pre-flight to post-flight.

Modules included:

- Operational Readiness
- Cargo Operations
- Security and Screening
- Airline Flight Operations

AIRPORT AND AIRCTAFT EMERGENCIES

The course provides detailed and in-depth information about various emergencies that occur in airport and on aircraft and how to effectively handle such emergencies. It provides in depth information about various safety methods to be practiced at airport and on aircrafts, and how to respond during emergencies. This course emphasizes on how aircraft accident investigations are governed, and the role of safety in handling dangerous goods.

Modules included:

- Airport Safety Management Systems
- Airport Aircraft Emergencies
- Recording and Reporting Safety Data
- Human Factors in Aviation Safety
- Dangerous Goods Regulations
- Airline Safety

AIR CARGO AND LOGISTICS

The course provides detailed and in-depth information about how air cargo works. Students would learn about types of cargos, how to plan inventory, and how air cargo is categorized and shipped. This course emphasizes on handling materials and warehousing, which is one of the key areas to explore for students who wish to have a successful career in aviation sector.

Modules included:

- Introduction to air cargo
- Cool logistics and special air cargo
- Cargo security and risks
- Inventory planning and management
- Materials handling, Warehousing

AIRLINE & CABIN CREW MANAGEMENT

The course provides detailed and in-depth information about the Airline industry concerning fleet management, scheduling, and route planning. This course emphasizes how staff management affects revenue management in airlines and practices followed by airlines to maintain a healthy balance in income and revenue management. It provides in-depth information about supply and demand in air transportation.

Modules included:

- Supply and demand of air transport
- The airline industry
- Flight schedule and crew management
- Pricing and revenue management
- Route planning

AVIATION MAINTENANCE MANAGEMENT

The course provides detailed and in-depth information about how aviation maintenance works. Students would learn about types of maintenance planning, how to plan to forecast, and how phased checks have to be planned. This course emphasizes maintenance and production planning control in aviation, which is one of the key areas to explore.

Modules included:

- Definitions, goals and objectives
- Documentation for maintenance
- Production planning and control
- Line maintenance-on aircraft
- Quality assurance and quality control
- Load and trim

AIR TRAFFIC CONTROL

The Basic ATC course gives students a foundation-level of knowledge of the Air Traffic Controller job and the complete Air Traffic Management (ATM) system. This also enables students to learn about Air Traffic Control operations, communication procedures and control tower operations, and future traffic management.

Modules included:
- Elements of ATC
- Airspace and ATC Structure
- ATC Communication procedures
- Control tower operations
- Future air traffic management

AIRPORT MANAGEMENT

The course provides detailed and in-depth information about various strategic and planning methods that occur in airport and on aircraft and how to effectively handle such planning methods. It provides in depth information about Airport Maintaining methods to be practiced at airport and on aircrafts, the students should have understood about Strategic planning, how revenue is managed in airports, how aircraft fleet is scheduled and planned, which is very important for those students seeking career in aviation.

Modules included:
- Airport strategic planning
- Airport financial management
- Airline pricing & revenue management
- Airline planning process
- Airline schedule optimization

AVIATION HR

This conceptual course provides an in-depth knowledge about the various responsibilities & importance of HR regulations in Aviation industry. This course will comprises & consolidates Human Resources dealing with various challenges & improvising Aviation standards. This course helps the student to understand the HR policies and other relative Human Resources functions in Aviation Industry

Modules included:
- Industry recruitment cell
- Emphasising HR entity documents
- Eligibility,qualification and job roles
- HR perspective on aviation trainees
- Understanding HR agreements /bonds

AVIATION METEOROLOGY

This course provides the foundation to Aviation Meteorology which includes, basics of atmosphere, types of winds, IMC and IFR. Students get exposure on various tactical management process in route planning which trains the students to be industry ready.

Modules included:

- Earth's atmosphere
- Wind and its various movements
- Types of Turbulence
- Instrumental meteorological conditions
- High altitude weather

CIVIL AVIATION REQUIREMENTS (CAR)

This conceptual course portrays and imbibes an in-depth knowledge about the entire purpose and significances in relevance to the industry on how Civil Aviation Requirements work with different inter-departmental requirements such as Navigational Services, Licensing & Aircraft operations.

Modules included:

- Aircraft act and rules
- CAR regulations and guidelines
- Air navigation services
- CAR's role in Aerodromes licence and personnel licencing
- Aircraft operations, Aviation accidents and incidents with data, statistics and summaries

CERTIFICATIONS IN AIRLINE INDUSTRY

This course gives a fundamental knowledge about the certifications offered by the airlines and the requirements to get one.This course helps in preparedness of the student to take the examinations conducted by airlines

Modules included:

- AVSEC Basic
- Dangerous Goods Regulations (DGR)
- Ramp Safety
- Family assistance and care
- Load and trim functions

COMMUNICATION, NAVIGATION AND SURVEILLANCE

This conceptual course provides the foundation to Air Navigation Systems which include types, importance and limitations. Students get exposure on various operations handled by ATM which trains the students to be industry ready.

Modules included:

- Introduction to CNS/ATM
- Maintenance of CNS Facilities
- Navigational Aids
- CNS/ATM Communication
- Future air navigation systems

CORPORATE AVIATION AFFAIRS

This course gives a fundamental knowledge about the various functions & purpose of Corporate Requirements. This course helps in preparedness of the student to understand behind the scenes challenges & decisions made by key players.

Modules included:

- Overview of Aviation Corporate culture in headquarters atmosphere
- Maintaining Corporate Relations
- Corporate Administration at head office
- Aviation Corporate Departments
- Policy Making at Hub

CUSTOMER RELATIONSHIP MANAGEMENT IN AVIATION INDUSTRY

This theoretical course provides the students with knowledge about various aspects of customer service and how to handle passengers efficiently by maintaining a positive relationship. This course equips the students with all necessary skills and knowledge in field of customer service and be industry ready.

Modules included:

- Customer Service
- Managing passenger relations
- Reservation services
- Passenger service
- Enhanced Passenger Facilitation

HUMAN FACTORS IN AVIATION

This theoretical course provides the students with knowledge about various aspects of Human factors, how human factors impact aviation industry and what are the measures followed to eradicate and control errors due to human factors.

Modules included:

- Organizational Perspective
- The System Safety Perspective
- The Human in Flight
- Ergonomics
- Managing Performance

TRAVEL AND TOURISM MANAGEMENT

This course provides fundamental knowledge to understand the various types in tourism and gives an idea on effectively managing a tourism business and the future of Air travel business.

Modules included:

- History of Travel Trade
- Traveller Identification Management
- Tourism in India and its types
- IATA Accreditation and Government recognition
- Strategic Management in Tourism

INFLIGHT OPERATIONS MANAGEMNT

This course provides an in-depth knowledge of cabin crew profession, its origin and current practices. This course also emphasises on grooming standards, safety procedures, handling medical emergencies and everything that a cabin crew is trained for.

Modules included:

- Introduction to grooming standards
- Inflight safety procedures
- Inflight medical emergency / First aid
- Standards expected during flight
- Standards expected during flight

MARKETING OF SERVICES IN AVIATION

This theoretical course provides the students with knowledge about strategies in marketing, how airline markets according to varying customer requirements, how different airline products are analyzed and marketed, and all about brand management.

Modules included:

- Marketing and Market
- Market Segmentation
- Airline Business and Marketing
- Product Analysis
- Brand Management and Relationship Marketing

LOGISTICS AND SUPPLYCHAIN MANAGEMENT

The conceptual course portrays and imbibes the various policies on logistics & supply chain management in relevance to warehousing and material handling with new technologies such as Machine Learning, Robotics & Artificial Intelligence.

Modules included:

- Logistics management and Supply Chain management
- Introduction to Warehousing Concepts
- Material Handling and Warehouse safety
- Cargo Security - Advanced
- Risk and Management

SECURITY AND SAFETY IN INDIAN AVIATION

This theoretical course provides the students with knowledge about various aspects of Security and Safety in Aviation. It also provides in depth knowledge about various safety/security concerns that arise in the industry and how to safely handle them.

Modules included:

- Airport Security and Emergency Contingencies
- Aircraft Security
- Prohibited Items, Weapons and explosives
- Baggage and Cargo Security
- Passenger Screening System and Technology

SOCIAL SUSTAINABLE AVIATION

This course portrays and imbibes knowledge about the current affairs & environmental impact with pre & post covid effects along with the global sustainable strategy in aviation & tourism domains on how aviation industry functions irrespective of natural or man-made disasters.

Modules included:

- Aviation Sustainability Strategy
- Environmental Alert & Remedies
- Sustainable Aviation Fuel & Fluids
- Sustainability Strategy In Aviation & Tourism Business Domains
- Phase & Evolution Of Covid 19 In Aviation

TRAINING COST

COURSE	CERTIFIED BY	PRICE IN INR
Certification in Aviation, Travel and Tourism (60 Hrs)	JAINx	30,000
Certified Skill Diploma in Airport Operations (180 Hrs)	JAINx	60,000
Certified Professional Diploma in Aviation Management (270 Hrs)	JAINx	90,000
Industry training -Domain specific courses (Each Course)	IIAAM	10,000

Training cost includes:

- Study Material
- Assessments
- Exam fee*
- Placement support*

*Applicable for courses certified by Jain University

IIAAM FOUNDATION

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