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**PROSPECTUS**

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**POST GRADUATE DIPLOMA IN AVIATION MANAGEMENT  
ADVANCED DIPLOMA IN AIRCRAFT RESCUE & FIRE FIGHTING (ARFF)  
CERTIFICATE PROGRAMME IN AIRPORT RAMP SERVICES MANAGEMENT  
CERTIFICATE PROGRAMME IN AIRPORT PASSENGER SERVICES MANAGEMENT**

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# ADVANCED DIPLOMA IN AIRCRAFT RESCUE AND FIREFIGHTING

## About the Program

This comprehensive training program for Aircraft Rescue and Firefighting (ARFF) is designed to equip participants with essential knowledge, skills, and practical experience to excel in the demanding field of aircraft rescue and firefighting. Participants will delve into various aspects of ARFF, from firefighting techniques to rescue operations, guided by expert instructors and industry professionals. The program includes theoretical concepts, practical simulations, and hands-on exercises to ensure a well-rounded learning experience.

## Scope of the Program

This program is for those candidates who intend to acquire theoretical and practical aspects of Aircraft Rescue and Firefighting



activities so that they can apply for potential job opportunities that may arise in airports in India and abroad.

## Objectives

- To enable the participants to develop basic understanding on theoretical concepts of firefighting.
- To provide the participants with knowledge, understanding and to train them in rescue operations and firefighting methods.
- To train the participants to handle modern firefighting equipment and fire tenders used for Airport Rescue and Firefighting.

## Duration

The duration of the program is two semesters (1 year).

## Eligibility Criteria

- Pass in Higher Secondary or Equivalent with Physics, Mathematics, and Chemistry subjects in higher secondary or candidates with graduation from a recognized university.
- Should possess a Light Motor Vehicle (LMV) license. Candidates having a driving license for the category Heavy Passenger Motor Vehicle (HPMV), Heavy Goods Motor Vehicle (HGMV) are preferred or should give undertaking to the effect of taking license.
- Certificate from a medical practitioner for physical & medical fitness
- Age: 18-27 years as on last date for submission of application.

## Program Fee

- The tuition fee for the program is Rs 2,54,000/ plus 18%GST if applicable (in addition students will have to pay admission fees, registration fees, uniform fee and such other fees as may be decided by Academy from time to time)

## Selection Criteria

- Admission test • Physical test • Interview

## Physical Standards

### PHYSIQUE

	Female	Male
Minimum Height	157 cm	167 cm
Minimum Weight	45 Kg	55 Kg

### CHEST

	Female	Male
Normal before expansion	NA	81 cm
Minimum expansion		5 cm

### EYESIGHT

Distant vision	6/6 with each eye without glasses
Near vision	N-5 with each eye without glasses (Visual evaluation is for each eye individually)
Color vision	Should be normal as determined by Ishihara's charts
Night blindness	Absent
Field of vision	Each eye should have full field of vision as determined by confrontation test

HEARING – Normal

SPEECH - Normal

Refractive error – No refractive error is acceptable

Disqualification – Knocking knee, bowlegs, degree of squint, flat footed, physical deformity, suffering from chronic disease, any major operation by virtue of which is physical fitness to work in Fire Service has been impaired will be considered as disqualification.

## Program Structure

### Semester I

Sl. No	Module name	Credits / Hours
1	Basic Theory of Fire & Fire Extinguishers	6 credits / 120 hours
2	Firefighting Equipment – Theory & Practice	6 credits / 120 hours
3	Aircraft Crashes, Emergency Procedures -Theory & Practice	6 credits / 120 hours
4	Communicative English Part I	4 credits / 72 hours

### Semester II

Sl. No	Module name	Credits / Hours
5	Fire Service Management and RT Communication	6 credits/120 hours
6	Emerging Technologies, High -Rise Firefighting Strategies and Regulatory Framework	6 credits / 120 hours
7	Safety Management System and Disaster Management	6 credits/120 hours
8	Communicative English Part II	4 credits / 72 hours

### External Trainings-

- 1.Two Days Pressure Fed Firefighting at BPCL, Kochi
- 2.Six Days Tunnel & Smoke Chamber Training at Kerala Fire and Rescue Academy, Thrissur
- 3.Three Day Building Rescue Operations at Wild Wind Adventures, Thrissur
- 4.Three Day St. John Ambulance Certificate Training Programme on First Aid

### Evaluation Scheme

There are two components in evaluation.

- Continuous evaluation through module tests and performance in practical sessions including PT, Drill and Parade with a weightage of 40 %
- Module end examinations in each semester with a total weightage of 60%

No of seats: 50

## POST GRADUATE DIPLOMA IN AVIATION MANAGEMENT

### About the Program

The PG Diploma in Aviation Management (PGDAM) is a specialized program designed to equip individuals with the knowledge and skills necessary for entry level jobs in the fields of Airline Management, Airport Management, Ground Handling Services, Air Cargo management, Aviation Security, Aviation Safety, Passenger and Baggage Handling, Ramp Service Management and Aviation Finance.

### Scope of the Program

This programme is for those candidates who intent to acquire theoretical and practical aspects of Airport and Airline Ground Level Operations. So that they can apply for potential job opportunities that may arise in Airports in India and abroad in the fields of Airline Management, Airport Management, Ground Handling Services, Air Cargo management, Aviation Security, Aviation Safety, Passenger and Baggage Handling, Ramp Service Management and Aviation Finance.

### Objectives

To enable the participants to:

- Understand the aviation industry in general.
- Define Airport Layout and Terminal Operations.
- Perform jobs in Airline Passenger handling operations / Airport Ramp Handling operations.
- Gain knowledge in Safety and Security in Airport Operations.
- Handle Special Passenger Services and the procedures of Ramp, Baggage Make-up Area, Air Cargo, and the Basic Load Control functions.
- Develop Leadership & Communication skills and team management that are required in aviation industry.

### Duration

The minimum duration of the program is two semesters (1 year).

## Eligibility Criteria

- Pass in any Degree from a recognized University or Equivalent
- Good communication skills and proficiency in English
- Certificate from a medical practitioner for physical fitness
- Age: 20-26 years as on last date for submission of application.

## Program Fee

The tuition fee per participant for the program is Rs 1,40,000/ plus 18%GST if applicable (in addition students will have to pay admission fees, registration fees, uniform fee and such other routine expenses as may be decided by Academy from time to time)

## Selection Criteria

- Admission test
- Group Discussion
- Interview

## Other / Pre-qualification standards

- Police Clearance Certificate
- Vision: 6/6 Clear Vision and should be free from colour blindness

## Program Structure

### Semester I

Sl. No	Module name	Credits / Hours
1	INTRODUCTION TO AVIATION INDUSTRY	4 credits / 72 hours
2	BASICS OF PASSENGER & BAGGAGE HANDLING	4 credits / 72 hours
3	FUNDAMENTALS OF AIR CARGO HANDLING	4 credits / 72 hours
4	AIRPORT RAMP SERVICES	4 credits / 72 hours
5	BASICS OF LOAD CONTROL	4 credits / 72 hours

### Semester II

Sl. No	Module name	Credits / Hours
6	AVIATION SAFETY AT AIRPORTS	4 credits / 72 hours
7	AVIATION SECURITY MANAGEMENT	4 credits / 72 hours
8	AIRPORT ECONOMICS & AVIATION FINANCE	4 credits / 72 hours
9	AIR NAVIGATION AND METEOROLOGICAL SERVICES AT AIRPORTS	4 credits / 72 hours
10	FUTURE OF THE AVIATION INDUSTRY / AIRPORT SERVICE QUALITY	4 credits / 72 hours
	TOTAL	40 credits / 720 hrs



## Evaluation Scheme

There are two components in evaluation.

- Continuous evaluation through module tests and performance in practical sessions with a weightage of 40%
- Term end examination in each semester with a weightage of 60%

Term end examination will be conducted by CUSAT with the support of Board of Studies constituted for the purpose of confirmation of Program Structure, Syllabus, training methods, evaluation scheme and certification.

No of seats: 50



## **CERTIFICATE PROGRAM IN AIRPORT PASSENGER SERVICES MANAGEMENT**

### About the Program

The Certificate Program in Airport Passenger Services Management is a specialized course designed to equip individuals with the knowledge and skills necessary for entry-level jobs in the aviation industry. This course covers all aspects of passenger handling operations, including check-in procedures, document verification, baggage handling, boarding pass issuance, security screening, immigration and customs formalities, boarding procedures, announcements, handling of special passengers, airport safety and security, and reservation and ticketing procedures.

### Scope of the Program

This program is for those candidates who intend to acquire theoretical and practical aspects of Airport and Airline passenger level operations so that they can apply for potential job opportunities that may arise in airports in India and abroad in the field of ground level airport/ airline customer service and hospitality sectors.

## **Objectives**

To enable the participants to:

- Understand the aviation industry in general.
- Define Airport Layout and Terminal Operations.
- Roles and responsibilities of Check in counter staff, Reservation and Ticketing.
- Explain the importance of Safety, Security at Terminal building.
- Handle Special Passenger Services.
- Development of interpersonal skills and competencies required in aviation industry and Future Development and Industry trends in Passenger Handling including Digi-Yatra.
- Develop Leadership & Communication skills and team management that are required in aviation industry.

## **Duration**

The minimum duration of the program is one semester (6 months).

## **Eligibility Criteria**

- A degree from a recognized university or equivalent
- Good communication skills and proficiency in English
- Certificate of physical fitness from a medical practitioner
- Age: 20-26 years as of the last date for submission of application

## **Program Fee**

The tuition fee per participant for the program is Rs 70,000/ plus 18%GST if applicable (in addition students will have to pay admission fees, registration fees, uniform fee and such other routine expenses as may be decided by Academy from time to time)

## **Selection Criteria**

- Admission test
- Group Discussion
- Interview

Other / Pre-qualification standards

- Police Clearance Certificate
- Vision: 6/6 Clear Vision and should be free from colour blindness



## Program Structure Semester I

Sl. No	Module name	Credits / Hours
1	COMMUNICATIVE ENGLISH	4 credits
2	GROOMING AND PERSONALITY DEVELOPMENT	4 credits
3	INTRODUCTION TO AIRLINE INDUSTRY	3 credits
4	INTRODUCTION TO PASSENGER HANDLING SERVICES	3 credits
5	BASICS OF AIRPORT SAFETY & SECURITY	3 credits
6	BASICS OF RESERVATION & TICKETING / INFORMATION TECHNOLOGY	3 credits
	Total	20 credits /360 hours

### Evaluation Scheme

There are two components in evaluation.

- Continuous evaluation through module tests and performance in practical assignments with a weightage of 40 %
- Term end examination in each semester with a weightage of 60%

Term end examination will be conducted by CUSAT with the support of Board of Studies constituted for the purpose of confirmation of Program Structure, Syllabus, training methods, evaluation scheme and certification.

**No of seats: 50**



# **CERTIFICATE PROGRAM IN AIRPORT RAMP SERVICES MANAGEMENT**

## **About the Program**

This program is designed to provide participants with a comprehensive understanding of ramp handling operations. The course covers all aspects of ramp handling operations, aircraft loading and unloading, baggage handling, cargo handling and documentation, load control, fueling procedures, ramp safety, airport slot coordination, international aviation regulations, and more.

## **Scope of the Program**

This program is for those candidates who intend to acquire theoretical and practical aspects of Airport Ramp operations so that they can apply for potential job opportunities that may arise in airports in India and abroad in the field of Airport/ airline Ramp operations.

## **Objectives**

To enable the participants to:

- Understand the aviation industry in general.
- Define Airport Layout and Terminal Operations.
- Roles and responsibilities of Ramp Handling Agents at Airside Operations.
- Explain the importance of Safety and Security in Ramp Operations.
- Know the functions of Special Passenger Services and the handling procedures of Ramp, BMA, Cargo, and the Basic Load Control functions.
- Development of interpersonal skills and competencies required in aviation industry and Future Development and Industry trends in Ramp Handling
- Develop Leadership & Communication skills and team management that are required in aviation industry.

## **Duration**

The minimum duration of the program is one semester (6 months).

## Who can attend

- A degree from a recognized university or equivalent
- Good communication skills and proficiency in English
- Certificate of physical fitness from a medical practitioner
- Age: 20-26 years as of the last date for submission of application

## Program Fee

The tuition fee per participant for the program is Rs 70,000/ plus 18%GST if applicable (in addition students will have to pay admission fees, registration fees, uniform fee and such other routine expenses as may be decided by Academy from time to time)

## Selection Criteria

- Admission test
- Group Discussion
- Interview

## Other / Pre-qualification standards

- Police Clearance Certificate
- Vision: 6/6 Clear Vision and should be free from colour blindness
- Valid LMV driving licence.

## Program Structure

### Semester I

Sl. No	Module name	Credits / Hours
1	INTRODUCTION TO AVIATION INDUSTRY	3 credits
2	FUNDAMENTALS OF RAMP HANDLING	4 credits
3	PASSENGER & BAGGAGE HANDLING - RAMP PROCEDURES	3 credits
4	FIRE & SAFETY; SECURITY - RAMP OPERATIONS	3 credits
5	CARGO HANDLING - RAMP OPERATIONS	3 credits
6	BASICS OF LOAD AND TRIM & PRACTICALS	4 credits
	Total	20 credits / 360 hours

## Evaluation Scheme

There are two components in evaluation.

- Continuous evaluation through module tests and performance in practical assignments with a weightage of 40 %
- Term end examination in each semester with a weightage of 60%

Term end examination will be conducted by CUSAT with the support of Board of Studies constituted for the purpose of confirmation of Program Structure, Syllabus, training methods, evaluation scheme and certification.

**No of seats: 50**







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