



**Air University AACK**

# **Assignment: 02**

**Year: 2025**

**Department Of Business Administration  
Specialization: Aviation Management**

---

---

**Group: B5-Spirit**

**Application Of ICT**

**Course Instructor: Mr. Moeen ud Din**

**Date Of Submission: Oct 7<sup>th</sup>, 2025**

## Mission: 01 Digital Take Off

The screenshot shows the Air University Kamra website. The top navigation bar includes links for LIBRARY, Downloads, CAREER, TENDERS, AUAACK CAMPUS LIFE, OFFICES, and AU Alumni Portal. Below this is a secondary navigation bar with HOME, ABOUT AUAACK, ADMISSION, SCHOLARSHIP, DEPARTMENTS, AU ONLINE PORTALS, and CONTACT US. A banner at the top displays news items: >2025, Fall 2025 Mark List Announced, Results of CBT held on August 21<sup>st</sup> Declared, Updated Mark List of HSC Laptop Scheme Phase IV, and Fee Bill Summer. A central 'Announcements' pop-up box contains the following text:

**Announcements**

Chief Minister's Honhaar Undergraduate Scholarship Program 2025 - Online Application  
Deadline: 26th October 2025

End Semester Result Summer - 2025

Fee installment applications for Fall 2025 are to be submitted until 25th September 2025 Please Click Here to Download Installment Form

The background of the website shows a presentation slide titled 'PhD Defense Topic: Nonlinear Hybrid Control Methodology for Torque Ripple Mitigation of BLDC Motor in Electric Vehicles' and a group of people standing in front of a building.

The screenshot shows the 'AU - Admission Portal - Air University Kamra Campus' login page. The page features a large background image of the university building. The main heading is 'AU - Admission Portal - Air University Kamra Campus'. Below the heading, it states: 'For any further information and queries, applicants may email at [admission@auak.ac.edu.pk](mailto:admission@auak.ac.edu.pk)'. On the right side, there is a 'Login Account' section with the following fields and options:

**Login Account**  
Admission Portal - Air University Kamra Campus

Email Address

Enter Password\*

**Login**

[Account Activation](#) [Forgot Password](#)

Don't Have An Account Yet ? ( [New Registration](#) )

[Frequent Ask Questions : \( FAQ's \)](#)  
( Important Information )

**AIR UNIVERSITY AEROSPACE AND AVIATION CAMPUS KAMRA ONLINE FEE BILL**

**Fee Installment Application – Fall 2025**

[Download Document](#)

**Online Fee Challan**

Enter Your registration ID below:

Select Session:

[View Fee Bill](#)

**Instructions for Fee Payment:**

1. All students are required to deposit their dues as per the announced deadline in each semester. After the deadline a fine amount of Rs. 200/- day will be charged with in same semester at the time of fee payment in bank.
2. In case of non-payment till end-semester, the student name would be struck off from the University rolls.
3. Re-instatement will be made only with subject to payment of regular dues and fine amount.
4. In case of any fee related issue please Contact in Account Office:

[Shutimize Styles](#)

## ICT-Related Services Identified:

1. **Online Fee Bill System** – allows students to view and pay their tuition or other fees online without visiting campus.
2. **Online Admission Portal** – enables students to apply, upload documents, and track admission status through the internet.

### Mission: 02 Control Panel Explorer

Installed RAM	Processor	Graphics Card	Storage
<b>8.00 GB</b>	<b>Intel(R) Core(TM) i5-7200U CPU @ 2.50GHz</b>	<b>128 MB</b>	<b>2.05 TB</b>
Speed: 2400 MHz	2.70 GHz	Intel(R) HD Graphics 620	179 GB of 2.05 TB used

beena  
Inspiron 15-3567 [Rename this PC](#)

[Device Specifications](#) [Copy](#)

Device Name	beena
Processor	Intel(R) Core(TM) i5-7200U CPU @ 2.50GHz 2.70 GHz
Installed RAM	8.00 GB (7.87 GB usable)
Graphics Card	Intel(R) HD Graphics 620 (128 MB)
Storage	1.82 TB HDD ST2000LM007-1R8174, 238 GB SSD SATA SSD
Device ID	46416341-C1AC-49EA-8FA5-70ABFECE74F9
Product ID	00331-10000-00001-AA474
System Type	64-bit operating system, x64-based processor
Pen and touch	No pen or touch input is available for this display

## System Information (from Control Panel / Settings)

**Device Name:** beena (Dell Inspiron 15-3567)

**Processor:** Intel(R) Core(TM) i5-7200U CPU @ 2.50 GHz (up to 2.70 GHz)

**Installed RAM:** 8.00 GB (7.87 GB usable)

**Operating System:** 64-bit Operating System, x64-based processor

**Graphics:** Intel(R) HD Graphics 620

**Storage:** 2.05 TB total (HDD + SSD)

## Mission: 05 Aviation ICT Discovery

### Use of ICT in Air Traffic Control

- Radar Systems: Track aircraft positions in real time.
- Communication Systems: Enable voice and data contact between pilots and controllers.
- Flight Data Processing: Manages flight plans and schedules digitally.
- Navigation Systems (GPS): Help aircraft follow precise routes.
- Weather Monitoring: Provides real-time weather updates to ensure flight safety.
- Surveillance Systems: Monitor airspace and detect unauthorized aircraft.
- Automation & Alerts: Give warnings about potential collisions or route conflicts.
- Data Sharing Networks: Connect airports and control centers globally for coordination.

## Mission: 06 Application Radar

**App Name:** *Flights*

**Key Feature:** It allows users to **search and track real-time flight information**, including **arrival and departure times**, flight status, and delays.



# Choose Airport

 **Enable location to see nearest airport.** **Enable**







Anaa Airport

Anaa, PF

A 



El Arish International Airport

El Arish, EG

AAC



Rabah Bitat Airport

Annaba, DZ

AAE

## Mission: 09 Bonus Mission Future Vision

### How ICT Makes Aviation Safer and More Efficient

- Real-Time Communication: Instant contact between pilots, air traffic controllers, and ground staff.
- Accurate Navigation: GPS and digital mapping ensure precise flight paths.
- Weather Information Systems: Provide up-to-date forecasts to avoid storms and turbulence.
- Automated Flight Control: Computer systems help manage takeoff, flight, and landing safely.
- Air Traffic Management: ICT tools reduce congestion and prevent mid-air collisions.
- Maintenance Monitoring: Sensors detect aircraft problems early for timely repairs.
- Electronic Flight Data: Digital records improve planning and reduce paperwork.
- Passenger Services: Online booking, check-in, and tracking improve travel efficiency.

## Mission: 08 Selfie with Tech

B5- Spirit





Mission: 07 Data Check Point

1	Aircraft Model	Passenger Capacity	Range (km)	
2	Airbus A320neo	150	6,300	
3	Boeing 737 MAX 8	178	6,570	
4	Boeing 787-9 Dreamliner	296	14,010	
5	Airbus A350-900	325	15,000	
6	Boeing 777-300ER	396	13,650	
7	Embraer E195-E2	132	4,815	
8	ATR 72-600	70	1,528	
9	Bombardier Q400 (Dash 8)	78	2,500	
10	Airbus A380-800	555	15,200	
11	Cessna Citation X+	12	60,000	

Aircraft Model	Passenger Capacity	Range (km)
Airbus A320neo	150	6,300
Boeing 737 MAX 8	178	6,570
Boeing 787-9 Dreamliner	296	14,010
Airbus A350-900	325	15,000
Boeing 777-300ER	396	13,650
Embraer E195-E2	132	4,815
ATR 72-600	70	1,528
Bombardier Q400 (Dash 8)	78	2,500
Airbus A380-800	555	15,200