



Air University AACK

Assignment: 02

Year: 2025

Department Of Business Administration
Specialization: Aviation Management

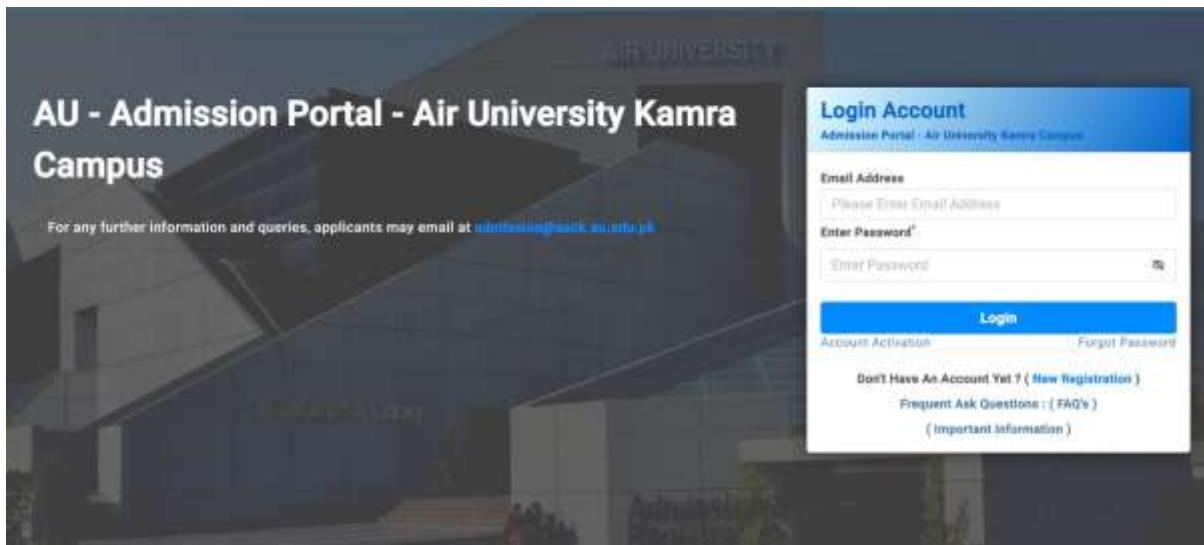
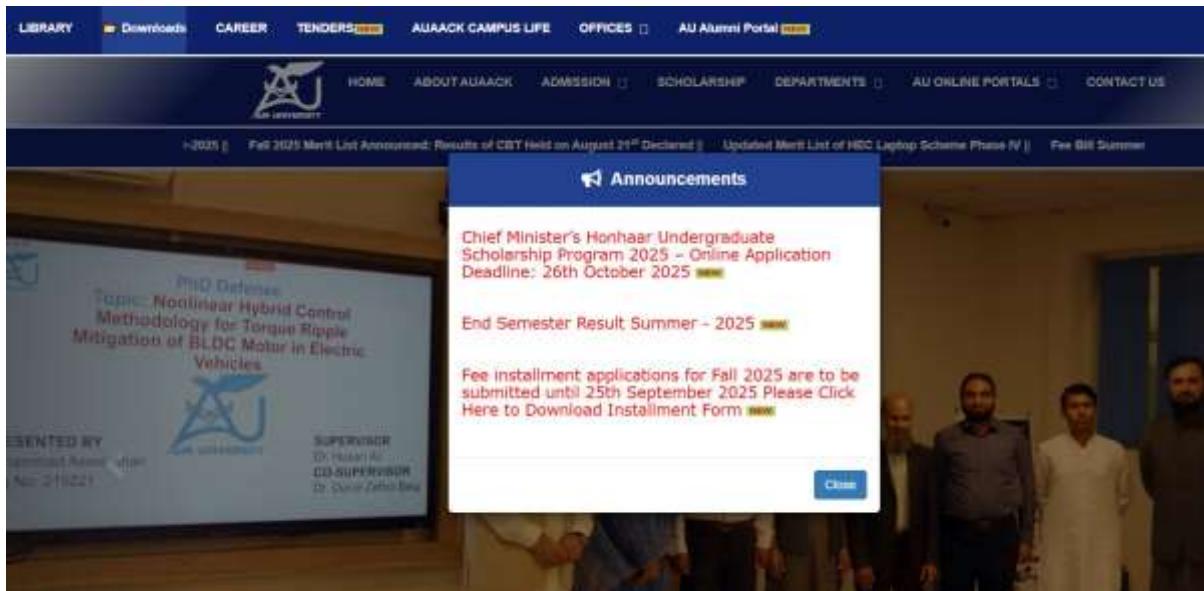
Group: B5-Spirit

Application Of ICT

Course Instructor: Mr. Moeen ud Din

Date Of Submission: Oct 7th, 2025

Mission: 01 Digital Take Off



The screenshot shows the homepage of the 'AEROSPACE AND AVIATION CAMPUS KAMRA ONLINE FEE BILL' website. At the top, there is a logo of an airplane and the text 'AIR UNIVERSITY'. Below the header, a banner reads 'Fee Installment Application – Fall 2025'. A link 'Download Document' is visible. The main section is titled 'Online Fee Challan' and contains fields for 'Enter Your registration ID below.' and 'Select Session' (with a dropdown menu showing '—Select Session—'). A blue button labeled 'View Fee Bill' is present. Below these fields, there is a section titled 'Instructions for Fee Payment:' with four numbered points. At the bottom of the page, there are two buttons: 'Shameza Shye' and 'Logout (2025)'.

ICT-Related Services Identified:

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

Mission: 02 Control Panel Explorer

The screenshot shows the Windows Control Panel displaying device specifications for a laptop. The laptop is named 'beena' and is identified as an 'Inspiron 15-3567'. On the right, there is a 'Rename this PC' button. Below the name, there is a 'Copy' button. The device specifications table includes the following information:

Device Name	beena
Processor	Intel(R) Core(TM) i5-7200U CPU @ 2.50GHz
Installed RAM	8.00 GB (7.87 GB usable)
Graphics Card	Intel(R) HD Graphics 620 (128 MB)
Storage	2.05 TB (179 GB of 2.05 TB used)
Speed: 2400 MHz	2.70 GHz

Below the table, there is a detailed list of device specifications:

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



Search by airport or city

...



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

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

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