Air University AACK

Assignment: 02

Year: 2025

Department Of Business Administration
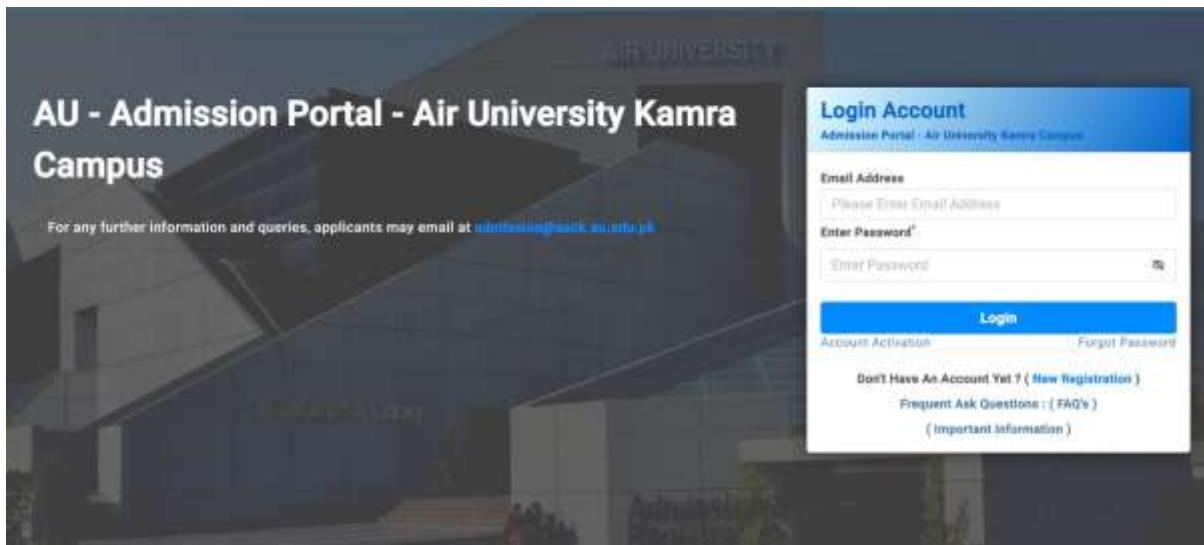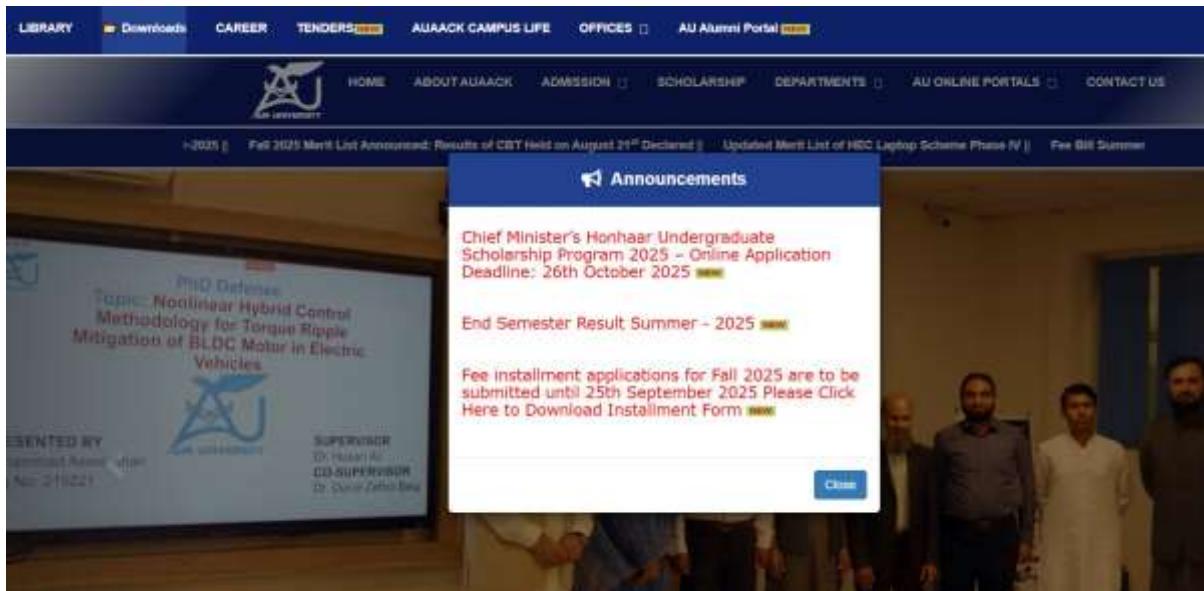
Specialization: Aviation Management

Group: B5-Spirit

Application Of ICT

Course Instructor: Mr. Moeen ud Din

Date Of Submission: Oct 7th, 2025

Mission: 01 Digital Take Off

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

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   **AAC**
El Arish, EG

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)
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
Cessna Citation X+	12	60,000

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