

Dr. Amjad Alasmar Alsuwaylimi

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Google Scholar — ResearchGate

Academic & Leadership Profile

- **Associate Professor of Computer Science** with 15+ years of experience in higher education, teaching, research, and university administration.
- **Deputy General Supervisor, General Administration of Digital Transformation**, Northern Border University, Saudi Arabia.
- **Consultant for Policy and Procedure Review**, with experience in institutional governance, policy development, strategic planning, quality, and accreditation.
- Researcher with **20+ Scopus-indexed publications** and **four registered patents** in IoT, healthcare, assistive technology, and automation.
- Core expertise in **Artificial Intelligence, Digital Transformation, Cybersecurity, and Arabic Natural Language Processing (NLP)**.
- International academic background with a **Ph.D. from the University of Exeter, UK**, and an **M.Sc. from the University of Wollongong, Australia**.
- Academic, research, and administrative leader with a strong focus on **innovation, institutional development, and digital transformation**.

Professional Summary

Associate Professor in Computer Science specializing in Artificial Intelligence, Arabic Natural Language Processing, and cybersecurity. Author of 20+ peer-reviewed publications in leading international journals (Elsevier, Springer, IEEE). Proven track record in leading digital transformation initiatives, developing academic programs, and contributing to institutional policy and strategic planning.

Professional Experience

- Deputy General Supervisor of the General Administration of Digital Transformation – Northern Border University (2026–Present)
- Consultant, Vice Presidency for Policy and Procedure Review, Northern Border University (2024–Present)
- Led initiatives in digital transformation and process optimization (2026)
- **Associate Professor, College of Science, Arar** (2026–Present)
- **Assistant Professor, College of Science, Arar** (2024–2026)
- **Assistant Professor, Faculty of Computing and information Technology, Rafha** (2022–2023)
- **Lecturer, Faculty of Computing and information Technology, Rafha** (2011–2022)

Education

Ph.D. in Computer Science , University of Exeter, UK	2021
MSc in Information Technology , University of Wollongong, Australia	2010
BSc in Computer Science , Northern Border University, Saudi Arabia	2007

Diplomas

- Diploma in Entrepreneurship & Crisis Management, Organisational Learning Centre, UK May 2017
- Diploma in Quality Management, Manchester City College, UK April 2016

Research Interests

Artificial Intelligence (AI), Machine Learning, Arabic Natural Language Processing (Arabic NLP), Cybersecurity, Deep Learning, Optimization, Data Analytics, Explainable AI

Selected Publications

- Arabic Phishing Detection using GA (IJCSNS, 2025)
- Transformers for Arabic Hate Speech (CMC, 2025)
- QR-DEF Encryption Framework (2025)
- Explainable AI for Parkinson's (Springer, 2025)
- Deep Learning for Arabic NLP (Elsevier, 2024)

Total: 20+ publications (Scopus-indexed)

Administrative & Leadership Experience

- Vice Chair, Technical Committee for Studying the Alignment of the University's Enterprise Resource Planning (ERP) System with the Unified Government Resources Planning (UGRP) System (2026)
- Member, Committee for the Implementation of Promotion Standards for Senior University Positions (2026)
- Chair, Standing Committee for Standard 2, 2028 Institutional Accreditation Project (2026)
- Member, Executive Standing Committee for the 2028 Institutional Accreditation Renewal Project (2026)
- Member, Standing Committee on Artificial Intelligence (2026)
- Consultant, VP Policy Review (2025)
- Member, AI Committee (2025)
- Chair, Digital Transformation Strategy (2025–2028)
- Vice Chair, Digital Transformation Committee (2025)
- Member, Spending Efficiency Committee (2025)
- Member, Real Estate Tender Committee (2025)
- Member, Councils System Development (2025)
- Chair, HR Chatbot Project (2025)
- Member, AI Master's Program Committee (2024)
- Member, Authority Matrix Committee (2025)
- Member, Regional Digital Transformation Team (2024)
- Chair, Scientific Forum PR Committee (2024)
- Member, Interviews Committee (2024)
- Chair, Schedules & Exams (2024)
- Chair, Field Training (2024)
- Chair, Teaching Assistants Unit (2024)
- Reviewer, National Olympiad (2023–2024)
- Member, Data Science Program Committee (2023)
- Member, Semester System Transition (2023)
- Member, Gifted Committee (2023–2024)
- Member, Student Activities Committee (2023)
- Invigilator, GRE Readiness (2023)
- Chair, Exit Testing Committee (2023)
- Advisor, Academic Advising (2022–2023)
- Member, Central Exit Testing (2023)
- Chair, Professional Certification Committee (2023)
- Chair, ASAS Initiative (2022–2023)
- Member, Mission & Objectives Team (2022)
- Member/Rapporteur, Gifted Committee (2022–2023)
- Member, Academic Guidance Committee (2022–2023)
- Member, Registration Unit (2022)
- Member, Quality Unit (2022)
- Chair, Scholarship Committee (2014–2015)
- Advisor, Academic Advising (2014–2015)
- Member, IT Department Council (2012–2015)
- Member, Strategic Planning Committee (2014–2015)
- Member, Curriculum Committee (2013–2015)
- Member, Quality Unit (2012)
- Chair, Website Development Committee (2012)

Teaching

Undergraduate Courses: Web Programming, Software Engineering, Databases, Operating Systems (OS), Computer Networks, Cybersecurity

Graduate Courses: Artificial Intelligence (AI), Natural Language Processing (NLP) for AI, Introduction to Cybersecurity

Patents

1. **Antenna with Stable Impedance for IoT Devices.**
Japan Patent Office.
2. **Implantable Antenna for IoT-Based Health Monitoring Devices.**
Japan Patent Office.
3. **Satellite/GPS-Based Stick for Blind Patients.**
Japan Patent Office.
4. **IoT-Based Automated Voltage Controller System for Motor-Operated Three-Phase Autotransformer.**
United States Patent and Trademark Office (USPTO).

Skills

Programming & Development: Python, Java, TensorFlow, PyTorch, Web Programming

Data Analysis & Research: SPSS, Machine Learning, Deep Learning, Statistical Analysis, Research Methodology

Academic & Administrative: Strategic Planning, Academic Program Development, Digital Transformation