

Curriculum Vitae

Professor Mohammed Mahmoud Abu Shquier

Professor of Computer Science
Manager of E-Learning & Distance Education
Manager of Computer Center
President, Malaysian Universities Alumni of Jordan (MUAJ)
Former Assistant President for Technical Affairs
Former Director of Planning & Development

Leadership	Assistant President • Dean • Director • Professor
Research	AI, Arabic NLP, Machine Translation, Information Retrieval
Transformation	Damascus University Smart LMS
International	President, MUAJ
Recognition	Networking Icon Award
Innovation	Enterprise University Platforms

Professor Mohammed Mahmoud Abu Shquier is a distinguished academic executive, Professor of Computer Science, AI researcher, and digital transformation strategist with over 20 years of leadership in higher education. He served as **Assistant President for Technical Affairs, Dean of E-Learning & Distance Education, Director of Planning & Development, and Professor of Computer Science at Jerash University**. His expertise spans enterprise architecture, artificial intelligence, smart learning systems, educational technology, and institutional digital transformation. Professor Abu Shquier has led numerous large-scale digital initiatives, including the development of intelligent university ecosystems and the Smart Learning Management System for Damascus University. His research focuses on Artificial Intelligence, Arabic Natural Language Processing, Machine Learning, and Smart Universities. Internationally, he serves as **President of the Malaysian Universities Alumni of Jordan (MUAJ)**, fostering academic collaboration between Jordan and Malaysia, and was honored with the **Networking Icon Award** by Education Malaysia Jordan for his contributions to international educational cooperation. His vision centers on enabling universities to become intelligent, innovative, and globally connected institutions through strategic leadership, research excellence, and digital innovation.

Professional Experience

- Assistant President for Technical Affairs – Jerash University
- Dean of E-Learning & Distance Education – Jerash University
- Director of Planning & Development – Jerash University
- Professor of Computer Science – Jerash University
- Former Dean, Faculty of Computer Science & IT
- Former Head, Department of Computer Science
- Former Academic Appointment – University of Tabuk, Saudi Arabia
- Former Academic Appointment – American Program @ Taylor's University, Malaysia

Education

- Ph.D. in Computer Science – Universiti Kebangsaan Malaysia (UKM), Malaysia.
- Master of Science in Computer Science – Science University Malaysia (USM), Malaysia.
- Bachelor of Science in Computer Science – Jordan University of Science and Technology.

Research Areas

- Artificial Intelligence
- Arabic NLP
- Machine Learning
- Information Retrieval
- Educational Technology
- Smart Universities
- Enterprise Information Systems
- Digital Transformation

Selected Scopus Journal Articles

- New Extracted Features to Recognize Faces Affected by Occlusions and Common Variations (2024)
- Tashaphyne 0.4: A New Arabic Light Stemmer Based on Rhizome Modeling Approach (2023)
- Knowledge and Awareness of Viral Diseases among University Students in Jordan (2022)
- Brick and Mortar Education vs. SCORM-based Education in Computer-programming Courses (2021)
- A New Enhanced Arabic Light Stemmer for Information Retrieval in Medical Documents (2021)
- LHFTL: A Novel SSD Performance Optimisation Approach Using the LH Index (2021)
- Air Quality Index Using Machine Learning: A Jordan Case Study (2020)
- Arabic-to-Malay Machine Translation Using Transfer Approach (2020)
- Novel Approach in Multilingual and Mixed English-Arabic Test Collection (2020)
- Adapting eSpeak to Arabic Language (2019)

- MGA-TSP: Modernised Genetic Algorithm for the Travelling Salesman Problem (2019)
- Fully Automated Arabic to English Machine Translation System: Transfer-Based Approach of AE-TBMT (2017)
- Arabic to English Machine Translation (2017)
- Arabic Phonemes Recognition Using Hybrid LVQ/HMM Model (2016)
- Students Performance Between Classical and Online Education (2016)
- Novel Prefix Tri-Literal Word Analyser: Rule-Based Approach (2015)
- Various Issues in Image Steganography Using LSB Technique (2015)
- Computational Approach to the Derivation and Inflection of Arabic Irregular Verbs (2013)
- Hybrid-Based Approach to Handle Irregular Verb-Subject Agreements (2013)
- Technique to Enhance Gender Agreement Requirement in English-Arabic Machine Translation (2013)
- Words Ordering and Corresponding Verb-Subject Agreements in English-Arabic Machine Translation (2012)

Selected International Conference Publications

- Handling Agreement in Machine Translation from English to Arabic (2007)
- Word Agreement and Ordering in English-Arabic Machine Translation – IEEE ISIT (2008)
- Word Agreement and Ordering in English-Arabic Machine Translation Proceedings (2008)
- Adopting New Rules in Rule-Based Machine Translation – UKSim (2010)
- Rule-Based Approach to Tackle Agreement and Word Ordering – EMCIS (2010)
- Rule-Based and Example-Based Machine Translation from English to Arabic (2011)
- Machine Translation from English to Arabic (2011)
- Novel Prototype for Handling Arabic NLP: Smart Morphological Analyser – AI4I (2019)
- The Power of Network Penetration Testing – ACIT (2024)
- Second International Conference on Artificial Intelligence and Machine Learning (AIM-2025), Seattle, CA.
- Doctoral Thesis: Word Agreement and Ordering in English-Arabic Machine Translation: A Rule-Based Approach (2009)

Flagship Project: Damascus University Smart LMS

Professor Abu Shquier serves as Chief Technical Architect and Digital Transformation Lead for the Damascus University Smart Learning Management System initiative. The project transforms the university's digital ecosystem through enterprise architecture, advanced Moodle customization, competency-based education, AI-assisted learning, learning analytics, institutional dashboards, API integration, digital assessment, workflow automation, quality assurance, faculty development and strategic governance.

Key outcomes:

- Enterprise-scale Smart LMS architecture.
- Integration of academic and administrative services.
- AI-ready digital learning ecosystem.
- Learning analytics and evidence-based decision support.
- Faculty capacity building and instructional design framework.
- Scalable platform supporting future digital transformation.

International Leadership

President – Malaysian Universities Alumni of Jordan (MUAJ)

Provides strategic leadership for MUAJ, strengthening academic cooperation between Jordan and Malaysia, promoting alumni engagement, professional networking, educational diplomacy and institutional partnerships.

Major achievements:

- Expansion of Jordan–Malaysia academic cooperation.
- Leadership of national alumni initiatives.
- Promotion of international educational partnerships.
- Recipient of the Networking Icon Award from Education Malaysia Jordan.
- Recognition presented by the Ambassador of Malaysia to Jordan and Palestine.

Networking Icon Award

Recognized by Education Malaysia Jordan and presented by the Ambassador of Malaysia to Jordan and Palestine for outstanding leadership and contributions to Jordan–Malaysia higher education collaboration.

Signature Projects

- Damascus University Smart LMS
- Jerash University Digital Transformation
- Enterprise University Portal
- Conference Management Platform
- Scientific Journal Platform
- Research Management Platform
- AI-enabled Educational Solutions

Representative Institutional Transformation Initiatives

Project	Strategic Purpose	Executive Role
Damascus University Smart LMS	Enterprise digital transformation of learning and governance	Chief Technical Architect & Digital Transformation Lead
Jerash University Digital Initiatives	Modernization of institutional digital services	Executive Leadership & Enterprise Strategy
Enterprise Conference Management Platform	End-to-end conference submission, review, and publication workflows	Solution Architect
Scientific Journal Publishing Platform	Editorial workflow, peer review, indexing, and publication management	Solution Architect
Research Management Platform	Research lifecycle, publications, grants, and analytics	Strategic Designer
Enterprise University Portal	Integrated academic and administrative services	Enterprise Architect
Alumni & Community Engagement Platforms	Alumni networking and institutional engagement	Strategic Lead
Electronic Correspondence & Digital Archiving	Workflow automation and document governance	Digital Transformation Lead
AI-Enabled Educational Services	Intelligent decision support and learning enhancement	AI Strategy Lead

Contact:

 **Mobile:** +962 779 830 983

 **Email:** <mailto:admin@jpu.edu.jo>

 **Homepage:** <https://www.jpu.edu.jo/jpu/profile.php?id=148>

 **Google Scholar:** <https://scholar.google.com.ly/citations?user=mo3VMaoAAAAJ&hl=ar>

 **LinkedIn:** <https://www.linkedin.com/in/mohammed-abu-shquier-60012579>