

SALSABEEL FAYIZ MOHAMMAD ALFALAH- ASSISTANT PROFESSOR

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EDUCATION

University of Jordan – Jordan

B.SC. Degree in Computer Information Systems **2007**

Rating: Very Good

University of Jordan – Jordan

M.SC. Degree in Computer Information Systems

"Jordan University website usage data mining using statistical and Clustering techniques"

2009

Rating: Excellent

Glasgow Caledonian University – United Kingdom

Ph.D, Computer Science-Multimedia **2013**

"An Investigation of 3D Simulation and Electronic Medical Records for Gait Data"

Rating: Straight pass

TEACHING EXPERIENCE

University of Jordan **September 2009 - August 2010**

University of Jordan / Computer Information Systems department **January 2014 to Present**

Roles and Responsibilities

- Conduct assigned undergraduate and graduate courses and seminars
- Develop and implement innovative instructional methods
- Guide, lead and mentor students in graduation projects
- Evaluate, monitor and mentor student academic progress
- Serve on college and/or university committees
- Assess, review and evaluate student activities and progress
- Support and serve up for various functional activities conducted by departmental committees
- Grade papers and tests; prepare exercises, lessons and lab experiments for the students
- Comply with all policies and procedures relating to teaching and learning, making every effort to contribute to the continuous improvement and effectiveness of administration of teaching and learning
- Act as a subject coordinator and/or area or discipline coordinator including: managing the area/discipline including providing feedback and contributing to performance management; supervising tutors; carrying out related planning and coordination responsibilities; organising

- the preparation and marking of assignments and all examinations; invigilating examinations; and submitting grades
- Develop productive areas of personal research and scholarship, and as a result, generating high level research outcomes
 - Engage in scholarly activities and/or creative endeavors, which contribute to the academic mission of the University
 - Adhere to University and Faculty Policies and Procedures and contributing to review of existing policies and procedures and development of new policies and procedures
 - Contribute significantly to department and/or faculty meetings, and serving on committees as required

ADMINISTRATIVE EXPERIENCE

University of Jordan / Dean Assistant for development and quality affairs **September 2014 to September 2016**

Roles and Responsibilities

- Effective member of the Faculty Board
- Understand of the principles of quality assurance and continuous improvement as they apply at The University of Jordan
- Assist the Dean in the formulation of a quality assurance and enhancement strategy for the faculty
- Develop and implement an operational plan for delivering the aims and objectives of the quality assurance and enhancement strategy
- Assist the Dean in monitoring the quality and standards of all the faculty's work and for implementing the University's quality assurance principles and procedures
- Manage on behalf of the faculty compliance with ABET requirements
- Monitor and regularly review the performance of the departments against agreed ABET requirement, and report regularly to the Dean
- Manage all staff within the quality assurance team
- Work effectively with the quality assurance office, heads of department and members of the faculty to foster and support excellence in applying quality and standards to ensure the faculty's targets and outputs are met
- Deal with a wide range of queries from different constituencies (quality assurance office, staff of the faculty, students, administrative staff, and ABET contact persons)
- Co-ordinate other activities to support the quality assurance and enhancement of the faculty's academic programmes
- Assist the Dean in assuring the quality of student experience in the Faculty
- Chair relevant management committees
- Manage scheduling exams in faculty
- Manage scheduling graduation projects defenses
- Manage scheduling events conducted within the faculty

- Promote the image and interests of the faculty and University with external organisations and employers in order to foster collaborative links and generate external funding opportunities for students' projects

AREAS OF INTEREST

Human Computer Interaction (HCI)

- Real Time Applications
- Visual Interfaces
- Designing non-traditional interfaces (Haptic, gesture, ...)
- Web Applications
- Universal design
- Ergonomics
- User Experience

Prototyping and Simulation

- Virtual Reality Prototyping
- Motion captured data in Virtual Environments
- Interaction in 3D
- Augmented Reality

Data Management in Healthcare

- Electronic Medical Records
- Medical data visualization
- 3D web based medical systems
- Risk management

Multimedia

- Digital media
- Digital media encoding and decoding concepts
- Compression Techniques
- Multimedia related hardware, software, and web-related issues

System Analysis and Design

- Information systems
- System Development Life Cycle
- CASE tools
- Organizational environment
- Project management
- Information gathering

COURSES

IT-DEV

ITIL v3 Foundation

Amman, Jordan

2012

The Institute of Risk Management Fundamentals of Risk Management London, UK	2013
HCI for 3D and immersive systems HCI 2013 Conference Las Vegas, USA	2013
SPSS The University of Jordan Amman, Jordan	2017

PUBLICATIONS AND PAPERS

- *“Optimised Multimedia Application for Improved Medical Visualisation”*
The 9th International Conference on Manufacturing Research
ICMR, UK. 2011
- *“The Role of 3D Simulation to Aid Podiatry Diagnosis”*
The Operational Research Society Simulation Workshop 2012
(SW12), UK. 2012
- *“A Web Based Application to Enhance Medical Data Visualisation”*
In proceeding of: the 10th International Conference on
Manufacturing Research (ICMR2012), UK, Vol. 1, pp. 329-343. 2012
- *“An investigation of a healthcare management system with the
use of multimodal interaction and 3D simulation: A technical
note”*
Journal of Enterprise Information Management, Vol. 26, No. (1/2),
pp. 183-197, DOI: 10.1108/17410391311289622. 2013
- *“Gait Analysis Management and Diagnosis in a Prototype Virtual
Reality Environment”*
In Virtual, Augmented and Mixed Reality. Systems and
Applications, Springer Berlin Heidelberg, Las Vegas, USA, pp. 3-11 2013
- *“Virtual Reality medical training system for anatomy education.”*
In Science and Information Conference (SAI). IEEE, London, UK, pp.
752-758 2014

- *“Gait analysis data visualisation in virtual environment (GADV/VE)”*
In Science and Information Conference (SAI). IEEE, London, UK, pp.
742-751 2014

- *“The Role of Quality Management Tools and Knowledge
Sharing in Improving the Level of Academic Staff: An
Empirical Investigation of the Jordanian Universities”*
World Academy of Science, Engineering and Technology
Economics and Management Engineering Vol.2, No.4 2015

- *“Development and Evaluation of Virtual Reality Medical Training
System for Anatomy Education”*
In *Intelligent Systems in Science and Information 2014*, pp. 369-
383. Springer International Publishing 2015

- *“Perceptions toward Adopting Virtual Reality as a Learning Aid
in Information Technology.”*
World Academy of Science, Engineering and Technology,
*International Journal of Computer, Electrical, Automation, Control
and Information Engineering,,* Vol. 11, No. (4), pp. 392-396. 2017

- *“Students Perceptions Toward Virtual Reality Technology as a
Learning Medium.”*
World Academy of Science, Engineering and Technology,
*International Journal of Computer, Electrical, Automation, Control
and Information Engineering,,* Vol. 11, No. (4). 2017

- *“Implementing Automated Quality Management Software
System through Total Quality Management and Knowledge
Management Concepts to Improve the Quality of Education in
the Universities.”*
International Journal of Business and Management, Vol. 12, No. (5), p.145. 2017

- *“Learning Management System versus Social Networking
Sites.”*
International Business Research, Vol. 10, No. (6), p.123. 2017

- *“Perceptions toward adopting virtual reality as a teaching aid in information technology.”*

Education and Information Technologies,

<https://doi.org/10.1007/s10639-018-9734-2>. 2018

- *“A comparative study between a virtual reality heart anatomy system and traditional medical teaching modalities.”*

Virtual Reality, Springer London

<https://doi.org/10.1007/s10055-018-0359-y>. 2018

- *“Investigating Learners' Attitudes Toward Virtual Reality Learning Environments in Embryology Education.”*

Modern Applied Science, Vol. 13, No. (1), p.57

DOI:10.5539/mas.v13n1p57. 2019

- *“Usability Issues For Learning Management Systems: Case Study, Students And Teaching Staff Perceptions”*

Journal of Theoretical and Applied Information Technology, 2020
Accepted for publication

- *“EMR For Obstetric Emergency Department And Labour Ward In Jordan University Hospital”*

Journal of Theoretical and Applied Information Technology, 2020
Accepted for publication

- *“The Value of Virtual Reality Technology in Embryology Education; Objective and Subjective Outcomes”*

African Journal of Reproductive Health, 2020
Accepted for publication

RELATED WORKSHOPS

- How to be an effective researcher / Glasgow Caledonian University / UK
- Introduction to effective presentation / Glasgow Caledonian University / UK

LANGUAGES

Arabic – Native Language

English – Speak fluently and read/write with high proficiency

MEMBERSHIPS

British Computer Society (BCS)