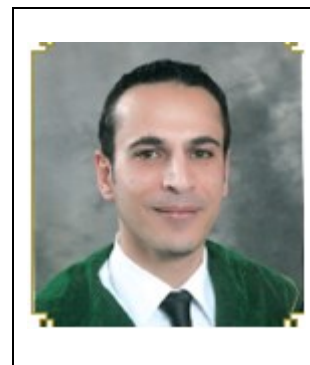| QFG11/0110 - 3.1E	Curriculum Vitae Form - Procedures of Appointment and Promotion Committee

CURRICULUM VITAE

MOUSA IBRAHIM MOHAMMAD SALAH

Faculty of Architecture and Design/ Multimedia Technology,

Al-Zaytoonah University of Jordan, Amman, Jordan

Fax: + (962) -6-4291432

E-mail: Mosa.salah@zuj.edu.jo

   Mosa.salah@gmail.com

1. Personal Data

Date of Birth: 06-Feb-1980
Nationality: Jordanian

2. Education

- M.Sc. (computer information systems) April 2006, The Arab Academy for Banking and Financial Sciences, Amman, Jordan.

- B.Sc. (Computer Sciences) February 2003, Al-Zaytoonah University of Jordan, Amman, Jordan.

3. Employment

Academic Positions

- Lecturer, Faculty of Architecture and Design / Multimedia Technology, Al-Zaytoonah University of Jordan, Amman, Jordan, September 2018 – Now
- Lecturer, Faculty of Science and Information Technology / Department of Multimedia Systems, Al-Zaytoonah University of Jordan, Amman, Jordan, October 2010 – September 2018
- Teaching Assistant, Faculty of Science and Information Technology / Computer Science, Al-Zaytoonah University of Jordan, Amman, Jordan, May 2010 – October 2010

QFG11/0110 - 3.1E	Curriculum Vitae Form - Procedures of Appointment and Promotion Committee

Administrative Positions

- Deputy Director of E-Learning and Open Educational Resources Center, Al-Zaytoonah University of Jordan, Amman, Jordan - 2018 – Now.
- Teaching Assistant, Faculty of Science and Information Technology / Computer Science, Al-Zaytoonah University of Jordan, May 2008 – October 2010
- Website designer and developer, Upright company, Amman, 01/01/2007 – 29/06/2008.
- Website designer and developer, Jordan Multimedia, Amman, 01/10/2003 – 01/06/2004.
- Computer Teacher, Abu Hurairah Secondary School, Ministry of Education, Amman, 01/03/2003 – 29/6/2003.
- Computer Lab Supervisor, Abu Hurairah Secondary School, Ministry of Education, Amman, 01/09/2003 – 29/6/2004.

Consulting and management experiences

As an expert in these fields, I provided a number of consultations to different parties in the fields of System Programing, E-learning, Website development, Virtual & Augmented Reality and Virtual Tours technologies. These entities are:

Organizations / Company's	Date
• Deputy Director of E-Learning and Open Educational Resources Center, Al-Zaytoonah University of Jordan.	2018–Now
• Develop a researcher website and database for the Deanship of Scientific Research at Al-Zaytoonah University of Jordan.	2018–Now
• Pixegenes Marketing Agency (Technical consultant in Virtual & Augmented Reality and Virtual Tours technologies)	2017–Now
• Mohammed Salem Al Hamad For Import & Export Est.	2015–Now
• Salah Survey Office.	2017–Now
• Pure Systems.	2015–Now
• Pharmacy POS systems consulting for different Pharmacies.	2019–Now
• Supervision the maintenance of multimedia systems laboratories, Al-Zaytoonah University of Jordan.	2015–2022
• Quality Assurance and Accreditation Office, Al-Zaytoonah University of Jordan.	2022
• Multimedia and broadcasting supervisor for the 10th International Conference on Information Technology (ICIT 2021)	2021
• Multimedia and broadcasting supervisor for 17th Scientific Annual International Conference for Business (SICB 2021)	2021
• Lingoart Center Languages and Training.	2019
• Contribute to obtaining a quality assurance certificate for the College of Science and Information Technology.	2018
• Organizing committee member for Al-Zaytoonah Second Short Film	2016

QFG11/0110 - 3.1E	Curriculum Vitae Form - Procedures of Appointment and Promotion Committee

Festival

• Upright Company for Programming and Training.	2016
• Webmaster, Multimedia and broadcasting supervisor for World International Training, Conferences and Consultation Center Conference (WITCCC)	2016
• Webmaster, Multimedia and broadcasting supervisor for the 7th International conference on information technology (ICIT 2015)	2015
• First Al-Zaytoonah Short Film Festival	2014
• Webmaster, Multimedia and broadcasting supervisor for the International Conference on Information Technology (ICIT)	2012
• Webmaster, Multimedia and broadcasting supervisor for the World International Conference on Scientific Research and Development (WICSR)	2011
• Webmaster World Islamic sciences and Education University conference.	2010
• Webmaster, Multimedia and broadcasting supervisor for the World International Conference on Technology Supported Education (WICTE)	2010
• The American University of Science and Technology, Beirut Campus (AUST)	2010
• Webmaster, Multimedia and broadcasting supervisor for the World International Conference on Education (WICE)	2010
• Webmaster, Multimedia and broadcasting supervisor for the World International Conference on Technology Supported Education (WICTE)	2010
• Multimedia and broadcasting supervisor for The 3rd International Conference on Information Technology (ICIT)	2007
• Participation in the work of the examination committee in the College of Science and Information Technology.	2006

4. Research Interests

- Virtual & Augmented Reality and Virtual Tours
- Multimedia system
- 3D and 2D Gaming Design
- Game Programing
- Web Technology
- Image Processing
- Pattern Recognition
- Data Scraping / Harvesting
- Program Analysis

5. Membership in Scientific Societies and Associations
- ACM professional member.
- Jordan Computer Society (JCS)

6. Honors and Awards

QFG11/0110 - 3.1E	Curriculum Vitae Form - Procedures of Appointment and Promotion Committee

- Technical Committee for the 17th Scientific Annual International Conference for Business (SICB 2021). Amman, Jordan.
- Technical Program Committee for the 10th International Conference on Information Technology (ICIT 2021). Amman, Jordan.
- Organizing Committee of the Second Al-Zaytoonah Short Film Festival (2016).
- Honored by Upright Company for Programming and Training (2016).
- 7th International conference on information technology (ICIT 2015)
- Organizing Committee of the First Al-Zaytoonah Short Film Festival (2014).
- Certificate of Appreciation from the First Al-Zaytoonah Short Film Festival (2014).
- Certificate of participation in a workshop "planning for the study of self-evaluation and the mechanisms of implementation "from Accreditation and Quality Assurance Office (2014).
- Certificate of Appreciation from 2nd information Technology colloquium (ITC 2012)
- Higher Committee for world international conference scientific research and development, Tripoli (Libya) (2011).
- Certificate of participation from American university of science and technology (2010).
- Certificate of participate and contribute in "higher education in the 21st century: challenges and futurism" from the world Islamic sciences and education university (2010).
- Higher Committee for world international conference on education Amman (Jordan) (2010).
- Higher Committee for world international conference on technology support education Beirut (Lebanon) (2010).
- Honored by the Examinations Committee in the Faculty of Science and Information Technology.
- Honoring from the Faculty of Science and Information Technology related to the development, maintenance and equipping of the Multimedia Lab.
- Certificate of Appreciation from The 3rd International Conference on Information Technology (ICIT - 2007)
- CISCO SEM 1 (2002)

7. **Teaching Experience**

- Game Design
- Cinematic & T.V Production
- Multimedia Tools & Packages
- Selected Topics in Multimedia
- Multimedia Graduation Project
- Introduction to Multimedia
- Principles of 2D and 3D Design
- 2D Animation
- Interactive web applications

- Software Packages
- Internet & Webpage Design
- Internet Application Programing
- Introduction To Computer Science
- Selected Topics In Computer
- Network Principle's & Techniques
- Internet Site Programming
- Computer Networks
- Pre Computer Skills

- 3D Modeling and Design
- 3D Animation
- Cinematic Tricks and Visual Effects
- Game Design and Programing
- Advanced Game Design
- Internet Technology
- Computer Skills
- Computer Skills 2
- Information Systems 1
- Advanced Databases
- Selected Topics In Cis1
- Computer Network 1

8. **Grants**

- Mosa Salah, Ayman Abdalla, Mohammad Abdalla, The Effect of Using Virtual and Augment Reality Technologies in Education and Marketing – Al-Zaytoonah University as Case Study

  2/2021 – 6/2022 (40,499JOD – funded by Al-Zaytoonah University of Jordan, Amman, Jordan).

- Eqbql Jebreen, Mohammad Alia, Mosa Salah, Application of the regulatory framework model for charging electric cars at Al-Zaytoonah University of Jordan

  2/2021 – 2/2022 (10, 552JOD - funded by Al-Zaytoonah University of Jordan, Amman, Jordan).

- Kaled Jaber, Mohammad Abd Al Jwad, Mosa Salah "Learning with mobile technologies: A framework and evaluation at Al-Zaytoonah University of Jordan"

  8/2020 – 8/2021 (8,850 JOD – funded by Al-Zaytoonah University of Jordan, Amman, Jordan).

- Sokayna Al Qatawna, Kaled Jaber, Mosa Salah, Dalal Yahya "Employing of Facial Recognition System in Public Surveillance Cameras to Enforce Quarantine and Social Distancing Using Parallel Machine Learning Techniques (A Pilot Project for Al-Zaytoonah University of Jordan)"

  4/2020 – 5/2021 (9,050 JOD – funded by Al-Zaytoonah University of Jordan, Amman, Jordan).

- Ahmad Al Daoud, Sokayna Al Qatawna, Mosa Salah "Exploring motion capture for biomechanics, animation and medical application"

  1/2020 – 1/2022 (35,000 JOD – funded by Al-Zaytoonah University of Jordan, Amman, Jordan).

- Eqbql Jebreen, Maamon Abu Hamad, Mosa Salah "Apply Fuzzy Logical System Model to coordinate Electrical Vehicles Charging - Study case on Al-Zaytoonah University of Jordan and Jordan Electric Power Company [JEPCO]"

  1/2020 – 1/2021 (8,850 JOD – funded by Al-Zaytoonah University of Jordan, Amman, Jordan).

- Mohammad Alia, Yousef Jaradat, Mosa Salah "Scientific Research Management System for Al Zaytoonah University of Jordan"

  1/2020 – 1/2021 (7,759 JOD – funded by Al-Zaytoonah University of Jordan, Amman, Jordan).

- Mosa Salah, Basem Alokush "Developing an academic scientific research engine and HyPer database system"

  8/2018 – 8/2019 (9,838 JOD – funded by Al-Zaytoonah University of Jordan, Amman, Jordan).

- A. Abdalla, M. Salah and S. Khalaf, "Load-Balancing of Virtual Tours in Distributed Systems."
  5/2012–7/2014 (60,954 JOD – funded by Al-Zaytoonah University of Jordan, Amman, Jordan).

9. **Membership of Committees**

University
- Faculty Representative in University Council, 2020 – Now.
- Computing and e - Learning Committee
- Study plan and educational resources Committee
- Examinations and evaluation plan Committee
- Quality Assurance Committee

10. **Professional and Scientific Meetings**

Scientific Meetings Organized
- World international Conference Scientific Research and Development, Tripoli\Libya, 2011.
- World International Conference on Education (WICE-2010), Amman\Jordan, 2010.
- World International Conference on Technology Supported Education (WICTE) Beirut\Lebanon, 2010.
- The 3rd International Conference on Information Technology (ICIT), Amman\Jordan, 2007.

Participation in Scientific meetings
- World international Conference Scientific Research and Development, Tripoli\Libya, 2011.
- World International Conference on Education (WICE-2010), Amman\Jordan, 2010.

11. Participation in or organization of curricular and/or extra-curricular activities

- Committee member for initiate multimedia technology program.

- Committee member for initiate Artificial Intelligence program.

- Committee member for initiate Multimedia System program.

   Conducting a study and improvement plan for the following studies:

   - Effectiveness of Student Rights in Academic Guidance.

   - The effectiveness of the student guidance and counseling plan.

   - Study the evaluation of the quality of educational services.

- Quality Studies Audit and Evaluation Committee.

- Study of benchmarking comparisons of main and sub-performance influences at the university level and for the families of academic programs.

12. Publications

❖ **Papers in refereed journals**

- **Mosa Salah**, Mohammad Abdallah, A. Abdalla "Evaluation of Existing Virtual Tour Studies and Their Applicability to Jordanian Universities". *under review*

- Mustafa M Al Rifaee, Mohammad M Abdallah, **Mosa I Salah**, Ayman M Abdalla "*Hand Dorsal Veins Image Database and Recognition System*", Computers, Materials, & Continua, Vol.73, No.3, pp 5063-5073 2022. *Indexed by SCI, SCIE and SCOPUS*

- **Mosa I. Salah**, Ahmad A. Mazhar , Manar A. Mizher, "*Optimization of Video Cloud Gaming Using Fast HEVC Video Compression Technique*", International Journal of Advances in Soft Computing and its Applications, Vol. 13, Issues 3, (2021). *Indexed by SCOPUS*

- Sokyna Alqatawneh, Khalid Mohammad Jaber, **Mosa Salah**, Dalal B.Yehia, Omayma Alqatawneh and Abdulrahman Abulahoum, *"Employing of Object Tracking System in Public Surveillance Cameras to Enforce Quarantine and Social Distancing Using Parallel Machine Learning Techniques"*, International

QFG11/0110 - 3.1E	Curriculum Vitae Form - Procedures of Appointment and Promotion Committee

Journal of Advances in Soft Computing and its Applications, Vol.13, Issues 3, (2021).
Indexed by SCOPUS

- Khalid Mohammad Jaber, Mohammad Abduljawad, Amal Ahmad, Mohammad Abdallah, **Mousa Salah**, and Nouh Alhindawi, *"E-learning Mobile Application Evaluation: Al-Zaytoonah University as a Case Study"*, International Journal of Advances in Soft Computing and its Applications, Vol.13, Issues 3, (2021).
Indexed by SCOPUS

- Basem Alokush, Mohammad Abdallah, Mustafa Alrifaee, **Mosa Salah** *"A Proposed Java Static Slicing Approach"*, Indonesian Journal of Electrical Engineering and Computer Science", vol. 11(1): pp. 308 -317 , Jan 2018.
Indexed by SCOPUS

- A. Abdalla, M. Abdallah, **M. Salah**, *"A BRIEF PROGRAM ROBUSTNESS SURVEY"*, International Journal of Software Engineering & Applications", January 2017, Volume 8, Number 1
  Indexed by ERA
  http://aircconline.com/ijsea/V8N1/8117ijsea01.pdf

- A. Abdalla, A. Mazhar, **M. Salah** and S. Khalaf, *"COMPARATIVE STUDY OF COMPRESSION TECHNIQUES FOR SYNTHETIC VIDEOS"*, International Journal of Multimedia & Its Applications(IJMA), vol. 6(2): pp. 1-10,April 2014,
  indexed by ERA

  http://airccse.org/journal/jma/6214ijma01.pdf

- ❖ **Conference Papers**
  - M Abdallah, KM Jaber, **M Salah**, MA Jawad, N AlQbailat, A Abdalla *"An E-learning Portal Quality Model: from Al-Zaytoonah University Students' Perspective"*,2021 International Conference on Information Technology (ICIT), 553-557
    Indexed by IEEE, Scopus.
    https://ieeexplore.ieee.org/abstract/document/9491785

  - **Mosa Salah**, Basem Alokush , Mustafa Alrefae *"A Comparison of Web Data Extraction Techniques"*, IEEE Jordan International Joint Conference on Electrical Engineering and Information Technology (JEEIT) ,April 2019, ,
    indexed by IEEE, Scopus.
    https://ieeexplore.ieee.org/abstract/document/8717519

  - M. Abdallah, Basem Alokush, M. Alrefae, **Mosa Salah**, Rana Bader, Khalil Awad *"JAVABST: JAVA BACKWARD SLICING TOOL"*, The 8th International Conference on Information Technology 2017, Amman, Jordan.
    http://ieeexplore.ieee.org/document/8080067/
  - **Mosa Salah**, Ahmad Mazhar, *"INTELLIGENT APPROACH TO IMPROVE THE MULTITASKING AD-HOC ON DEMAND DISTANCE VECTOR*

PROTOCOL (MAODV)", World International Conference on Education, April 2010, Amman, Jordan.

- Ahmad Mazhar, **Mosa Salah**, *"COMPARISON STUDY BETWEEN LOCAL AND GLOBAL OPTIMIZATION FOR H.264 ENCODER",* World International Conference on Education, April 2010, Amman, Jordan.

❖ **Books and Book Chapters**

- Instructional Multimedia " الوسائط المتعددة في التربية "

  الوسائط المتعددة في التربية , علم الكتب الحديث للنشر و التوزيع , د.محمد داود المجالي , د.خالد عبد العزيز الفليح , الاستاذ موسى صلاح.
- Computer in school management " الحاسوب في الإدارة المدرسية "

  الحاسوب في الادارة المدرسية , دار المسيرة للنشر و التوزيع و الطباعة , د. محمد المجالي , د.خالد الصرايرة , الاستاذ موسى صلاح.

13. <u>Staff Mobility For Teaching:</u>
- ISAG – European Business School, Rua de Salazares, Porto, Portugal from 1st to 6th of March.

14. <u>Certification and Training Courses:</u>
- Create a 2D Platformer with 3D Assets in Unity® and Blender!
- The Complete Beginners Guide: Make Unity Games from Scratch
- The Complete Unity® Masterclass: Build 2D, 3D, and VR Games
- The Complete Beginners Guide: Make Unity Games from Scratch
- Create a 2D Platformer with 3D Assets in Unity® and Blender!
- VR Development Fundamentals With Oculus Quest 2 And Unity
- The Complete Virtual Reality Game Development Course
- Building your First VR Experience with Unity
- Complete C# Unity Game Developer 3D
- A to Z Unity® Development: Code in C# and Make Low Poly Art
- After Effects 2020 Essential Training: The Basics.
- Animating for Unity 3D in 3ds Max.
- Creating Animated Characters in After Effects.
- Learning CAT Rigging Tools in 3ds Max.
- Revit to Unity for Architecture, Visualization, and VR.
- Unity 5 2D Building an Adventure Game.
- CISCO SEM 1.

15. <u>Technical Skills:</u>

Programming Languages:
- PHP
- MySQL
- JavaScript

QFG11/0110 - 3.1E	Curriculum Vitae Form - Procedures of Appointment and Promotion Committee

- Object-Oriented Design
- XML
- C++
- Adobe Flash CS6 with Actionscript 2.0
- Visual Studio
- MySQL DB's
- HTML, CSS
- JQuery
- Data Base Design
- AJAX

16. **Development Platforms:**

- Windows
- Linux
- Mac OSX
- Apache / MySQL / PHP
- Android
- iOS

17. **Creative Skills:**

- Game Design
- Image Editing
- Music Composition Performance
- Website Design
- Video Editing
- Audio Recording, Editing, Programming

18. **Key Skills**

- Software Development
- 3D/2D Modelling
- Animation
- Web Design

19. **Designing Skills:**

Very good experience in using
- Adobe Dreamweaver CS6
- Adobe Photoshop CS6
- Adobe Fireworks CS6
- Flax
- Unity 3D
- Autodesk 3ds Max
- Artisteer 3
- Adobe Flash CS6
- Adobe After Effect CS6
- Smart Draw
- Swish 3D
- Paint Shop Pro
- CINEMA 4D

20. **Other Skills:**

- Computer Maintenance
- Strong interpersonal skills
- Project development
- Project scheduling
- Team member/leader
- Analytical problem solving
- Excellent in using internet
- Efficient
- Critical workflow management
- Hardworking
- Well-organized
- Able to learn new information quickly