

## Resume

### **Mahmoud I. Abu-Shammeh**

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### **Personal Details**

**Date of Birth:** December 20, 1966  
**Nationality:** Jordanian  
**Marital Status:** Married with 2 children

### **Employment History**

**September 2009 till Now**

University of Sharjah

**Director, The Central Laboratories Directorates**  
**Lecturer, Electrical & Computer Engineering Dept.**

#### Key Responsibilities:

- Manage The Central Labs Directorates at the UoS which is comprised of more than 150 labs. Responsibilities include space management, equipment purchase, laboratory equipment maintenance, building utility maintenance, Labs safety, inventory of stores related to Central Labs and other related activities.
- Acting Unit Head Fixed Asset Unit effective March , 2020
- Work with the office of the Vice Chancellor for Research and graduate studies to establish research Labs.
- Lecturer in Electrical Engineering Department with a teaching load of 6 hours.
- Member and Chair of many University level Committees.

University of Sharjah

**Lecturer, Electrical & Computer Engineering Dept.**

#### Key Responsibilities: Teaching and Academic Activities

- Teaching the courses: Telecommunication Systems I, Circuits I, Circuits II, Development of Telecommunications, Introduction to ECE, Applied Electronic Circuits for IEM students.
- Teaching the Labs: Telecommunication Systems I, Computer Communications & Networks, Microprocessors & Assembly language, Digital Logic Design, Circuits I.
- Participated in the development of many courses and labs in the ECE curriculum. Also participated in all the activates to redesign the study plans of the Department.
- Supervise and Co-supervise Senior Design projects
- Serve as Department Summer Practical Training Coordinator since 2011

#### Key Responsibilities: **Administrative Activities**

- Member of the University Capital Expenditure Committee 2017/2018, 2018-2019, 2019-2020
- Member of University Project Advisory Committee 2019-2020
- Member of the University IT Governance Committee 2019-2020
- Member of CAPEX Teaching and Research Lab Equipment 2019-2020
- Chair of Fixed Asset Unit Assessment Committee 2019-2020

- Member of the “Employee Affairs Committee” for the Academic year 2017/2018, 2018-2019, 2019-2020.
- Member Employee Grievance Committee 2019-2020
- Member Innovation and Entrepreneurship Committee 2019-2020 – mandate to establish FAB Lab
- Member of “UI Green Metric World University Ranking” for the Academic year 2017/2018, 2018-2019,2019-2020.
- Member of the University Radiation Safety Committee 2017/2018, 2018-2019, 2019-2020.
- Participated in all activates of accreditation/reaccreditation for the Department and Accreditation visits to all University programs related to Labs.
- Member **“University Central Purchasing Committee”** 2016-2018
- Member and Executive Secretary **“Sharjah Centre For Science and Technology”**, 2016-2017
- Member of **“Scientific Review Committee – Think Science” for 2017, 2018 and 2019 Cycle.**
- Member **“University of Sharjah Medical Clinics Re Opening”**, Oct 2016 – June 2017
- Member “ University Risk Assessment Committee” 2016-2017
- Serve as the Department Course Scheduler Coordinator 2001-2016
- Serve as Chair University Central Labs Safety Committee 2011- Now
- Serve as member in the University Central Committee since 2009-Now
- Serve in University Academic Support Services Council since 2014-Now
- Serve in University and College Course and Exams Schedule Committee 2013-2016
- Serve as member in the University Research Board since 2014-2017
- Serve in Ad hoc Committees to establish a **Specialized Quality Assurance Analytical Laboratory for Chemical, Health and Environmental Analysis.**
- Serve in Ad hoc Committees to establish the **Material Research Lab.**
- Serve in Ad hoc Committees to establish the **Multifunction, Multipurpose Workshop.**
- Serve in Ad hoc Committees to establish the **Functional Nanomaterials Synthesis Laboratory.**
- Serve in Ad hoc Committee to establish **Robotics and Artificial Intelligence Lab**
- Serve as Judge for the Distinguished Employee Award – 2016,2017.
- Serve in the Committee to renew Admin Staff Contracts – 2016, 2017.
- Member in Committee to establish regulations for “UoS Technical Staff” -2016
- Member of the judging committee for the Emirates Foundation Think Science Festival 2016, 2017, 2018 and 2019.
- Member in Program Advisory Board for Sharjah HCT Colleges-2014,2015,2016
- Member in “Assessment Committee for Admission and Registration Departments t at the UoS-2016
- Member in recruiting Libraries Director-UoS-2015
- Serve in many investigation committees formed by Chancellor.
- Participated in the following committees: IT Committee (College Level), Lab Supervisory Committee(Department Level)
- Department meetings minutes taker
- College Financial Officer
- Conference Secretary,ICM,UoS
- Member of Communication and Outreach Committee (College Level),2012,2013

**May 1998 – August 2000**

Saudi Consolidated Electric Company(SCECO-East)-  
Saudi Arabia  
 Career Counsellor

Key Responsibilities:

- Implement and administer development programs and career counselling within the career and professional development programs. Provide guidance on implementation to Department/ Division Heads and training coordinators. Responsibility includes administration and review of employee development plans which includes core courses requirements, promotion plans, work assignments and target jobs.
- System Administrator for the computer system in the Management & Career Development Division which include handling Windows NT Operating System, SQL Server and Visual Basic.

**September 1993 – May 1998**

Philadelphia University, Amman-Jordan  
Lecturer, Electrical & Computer Engineering Dept

Key Responsibilities:

- Developing , assessing and teaching the Electrical Engineering Laboratories : Electric Circuits, Electronics, Logic Design, Digital Electronics, Analogue/Digital Communication, Computer Packages.
- Teaching Courses : Electric Circuits, Electronics, Communications (I, II), Logic Design, Signal Analysis and Processing, Calculus I, Calculus II, general Physics II, Digital Communications, Fortran 77.
- Supervise Graduation Projects:
  - Operating Programmable Interface Controller PIC 16C71
  - IC-Tester Using Programmable Interface Controller PIC 16C71
  - Simulation of Pulse Code Modulation (PCM) Communication Systems.
  - Simulation Of Digital data Transmission Through Linear Channels.
  - Simulation of Digital Quadrature Amplitude Modulation (QAM) Systems in Linear Channels
  - Phase Locked Frequency Modulation (FM) Receiver
  - Comparison Study of Digital Modulation Techniques.
- Assistant Director of Evening Studies Program: responsible to coordinate all faculties' activities, student counselling, writing daily activity report to the University President.
- Head of Training Committee for Engineering Students: set up a plan for training strategy, Explore new training opportunities, Maintain up-to-date records for trainees, Follow up on implementation of training plan, site visits to ensure high quality of training programs, appraise the confidential reports prepared by immediate supervisors , assess technical reports prepared by trainees.

**June 1993 – September 1993**

Computer & Communications Syst. Com.  
Amman, Jordan  
Computer Engineer

Key Responsibilities:

- Develop a Bar-Code System for two companies.

**September 1992 – June 1993**

Intermediate University College and Arabic College,  
Amman-Jordan  
Instructor, Electrical Engineering Department

### Key Responsibilities:

- Teaching the courses Electric Circuits, Electronics, Digital Logic Design, Instrumentation, Industrial Installation, Sound & Lighting, Graduation Projects.

**September 1991 – June 1992**

Palestine Computer centre , Amman-Jordan.  
Computer Instructor

### Key Responsibilities:

- Teaching Computer courses in Word, Excel, Assembly, Computer maintenance.

**September 1990 – June 1991**

Jordan Computers Systems (JCS), Amman-Jordan  
Computer Engineer

### Key Responsibilities:

- Maintenance of Tandy computers ( AT's- IBM compatible computers)
- Maintenance of multi-user Tandy systems
- Support XENIX operating system on multi user operating system
- Installation and support of LAN's(NOVELL)

## **Education and Training**

### **Qualifications:**

**MSc , Electrical Engineering/Communications, University of Jordan**, June 1993, GPA- 81.6% (Very Good)

Thesis Title : “ Signal Shaping and Performance in Digital QAM systems”

Supervisor : Prof. Mohammed Maqusi ( Academic Vice President) University of Jordan

**BSc, Electrical Engineering/ Electronic Computers, Jordan University of Science and Technology**, January, 1990, GPA 80% (Very Good)

**High School Diploma (Tawjihi)**, 1985 with an average of 93%

### **Training**

### **Courses/Conferences:**

1. E Teacher Workshop “Fundamental of Digital Teaching and Learning” Certified Associate - January 2020
2. Blackboard in Action Workshop, February 2020
3. Completed many courses using LinkedIn Training Portal, 2019-2020. (Learning OneDrive, Personal Branding, Creative Approach for problem Solving, Stress Management, Excel in Office 365)
4. Office ergonomics, February 2020
5. Lab Safety – Electrical Grounding, February 2020
6. 2018 Laboratory Management Conference, Nov12-14, Melbourne Australia.
7. Blackboard Conference, March 2019 Dubai
8. Strategic Planning Workshop, University of Sharjah 17-18/10/2018
9. 2016 Laboratory Management Conference, Nov 22-Nov

- 26, 2016 Brisbane –Queensland Australia.
10. ISO Laboratory Accreditation, October 2011
  11. Team-Based Learning(TBL) in HigherEducation,UoS,2009
  12. Developing of Leadership Skills Workshop, Etisalat University, Sharjah,UAE, 2007
  13. IP Networks Training Course, Etisalat Academy,2008.
  14. How to go beyond office and e mail workshop,UoS,2008
  15. Multirate Signal Processing for Communication System, ISSPA, 2007
  16. Advances in Time-frequency Signal Analysis Processing, ISSPA, 2007
  17. .Net Visual Basic, University of Sharjah, 2005
  18. Administration of Microsoft SQL Server 7.0, Saudi Intergraph .
  19. Internetworking TCP/IP 4.0, Saudi Intergraph
  20. Supporting MS Windows NT core Technologies, Saudi Intergraph
  21. Course Include the concepts: TQM, Job Analysis, Forecasting Techniques, Promotion, Socializing New Employees, Training, Career Planning & Development, Job Redesign, Organizational Design, Performance Management, Benefits & Services, Industrial Security.
  22. Extensive course in Human Resources Development & Management/ Everest Computer & Management Centre ,Amman –Jordan
  23. Visual basic Programming, Training Institute, SCECO East
  24. Course in communication systems ((Transmission, Exchanges, communication networks )- Jordan engineers association
  25. Advanced application building (Forms 3.0) 24 hours at international training and consultancy centre (ITCC) Introduction to Oracle RDBMS ver.7 (24 hours) at ITCC – Jordan
  26. Extensive Training course in sales Techniques.
  27. Training Engineer, Jordan Data Systems (Data General Computer system maintenance )

## **Publications**

1. “Signal Shaping Techniques and Performance in Digital QAM Systems” by M. I. Abu-Shammeh, International Conference on Computers and Information systems (ICCIS), July, 30 August, 1994, Applied Science University, Amman-Jordan.
2. “Signal Shaping in Digital QAM Systems” By M. Maqusi and M. Abu-Shammeh, Midwest Symposium on Circuits and Systems, 1995, Lafayette, Louisiana, U. S. A.
3. “Partial Response Signalling in Digital QAM Systems” By M. Abu-Shammeh, Computational aspects and their applications in electrical Engineering ( CATAEE) Conference, May 21-23,1995, Philadelphia University.,

**References**

Will be submitted upon request