Al-Hussein Bin Talal University

Faculty Member – Brief Curriculum Vitae

1. Personal Information:

Full Name: Mohammad Zayed Ahmed Faculty / Department: Electrical Engineering Department
Academic Rank: Assistant Professor Area of Specialization: Microengineering and Nano Electronics
Date of Appointment: 2016-10-03 Date of Current Rank: 2018-04-30 Email: mohammad.z.zayed@ahu.edu.jo

2. Academic Qualifications:

Qualification	Specialization	University / Country	Graduation Year
Bachelor of Science	Electrical Engineering	Baghdad University	2003
Master degree	Electronics Systems Design Engineering	Universiti Sains Malaysia (university of Science Malaysia)	2007
Doctor of Philosophy	Microengineering and Nanoelectronics	Universiti Kebangsaan Malaysia (The National University of Malaysia)	2015

3. Academic and Administrative Experience:

Rank / Position / Assignment	Institution / Unit	Period
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4. Teaching and Academic Supervision:

Key Courses Taught: Electronics 2, Electronics 2, Power Electronics, Power System 2
Master's Theses Supervised (Number): 1 Doctoral Dissertations Supervised (Number): 0

5. Scholarly Publications and Research Projects:

- Peer-Reviewed Journal Articles: Total 14 | Last Five Years 8 | Books / Chapters / Patents 0
- Citations: 57 h-index: 4 Database: Google Scholar Date Updated: 22/10/2026
- Three Selected Publications (Title, Journal, Year, DOI):
  1. Pre-Contact Circular MEMS Capacitive Pressure Sensors: Sensitivity Improvement at Matched Linearity via κ-Locked Design
  2. A Clearance-Ratio Framework for Predicting Nonlinearity in MEMS Capacitive Pressure Sensors
  3. Simulation and Analysis of *Molybdenum Tungsten* Impact on Capacitive MEMS Pressure Sensor
- Key Research Project / Grant (Funder, Role, Year): .....

6. University and Community Service and Achievements:

- Key Committees / Accreditation and Quality Initiatives / Community Service: .....
- Three Major Achievements with Documented Impact:

1. .....
2. .....
3. .....

7. Declaration:

I certify that the information provided above is accurate and that supporting evidence can be supplied upon request.
Faculty Member’s Name: Mohammad Zayed Ahmed Signature: ..... Date: 22/10/2026