

CURRICULUM VITAE

Name

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SUMMARY

Profile: Female, Married

Date of Birth: 17-08-1984

Nationality: Jordanian

Current Residency: Jordan

EDUCATION

1. **Master Degree in Mechanical Engineering - Thermal Power - *Evaluation of Solar Contributio'In in AC for Building Attached Sunspace in Jordan Climate***, from Jordan University of Science and Technology (J.U.S.T), Irbid-Jordan, May 2010 with Very Good rating (82%).
2. **Bachelor Degree in Mechanical Engineering** from Jordan University of Science and Technology (J.U.S.T), Irbid-Jordan, August 2007 – with Good rating.
3. **High school Certificate** (Science Stream), Irbid-Jordan, July 2002.

WORK EXPERIENCES

1. **Lecturer in Jordan university of Science & Technology (J.U.S.T.), (Feb 2013 –Sep 2014).**I worked as a lecturer (part time) for the Auto CAD 2D & 3D course in the Mechanical Engineering Department. Quality drawing and designing ability using Auto CAD in its various versions.

2. Teacher Assistant (TA) in Jordan university of Science & Technology (J.U.S.T.), (Aug 2008 –Aug 2010).

While studying Master Degree, I worked as TA for the following courses:

- a- Auto Cad**
- b- Mechanical Desktop**
- c- Machine Theory**
- d- Machine Design 1**
- e- Heat Transfer**
- f- Thermodynamic**
- g- Dynamic**
- h- Economy of engineering**
- i- Thermal Power Lab**
- j- Strength of Materials lab**
- k- Mechanics of Fluids and Hydraulics Lab.**

3. Trainee in Energy Center of Jordan University of Science and technology, followed to The Ministry of Public Works. Irbid, Jordan (Aug 2010-Aug 2011).

Doing the following tasks and projects:

- Working as an administrative in Master Program -MANSUR PROJECT- Master on Sustainable Development and Renewable Energy,(Jan 2011-Aug 2011).
- Project of lighting system auditing which investigated at Jordan University of Science and Technology to reduce the energy cost, using smart technologies.
- Project of ZeroNet Energy Building in Jordan, which investigated in such a way the various energy efficient mechanical systems, can be supplied with renewable technologies, the main sources being solar, wind and geothermal energy.
- Sizing the renewable energy system such as photovoltaic system, small scale wind turbine, under floor heating and solar water collector using simple calculation or SAM simulation to achieve net zero energy house.
- Investigation of the feasibility of zero energy houses with renewable electricity.
- Advising undergraduate student in graduation project 1 and 2, helping student with energy and environment simulations.
- Writing proposals of projects.
- Calculating the whole year the climatic data at Jordan University of Science and Technology-Irbid.

4. **Trainee in Al-Najem Al-Saatea Contracting Co. For Instructions in Jarash City, Jordan. As Mechanical Engineer, implement and supervise various projects in company.(2012-2013).**
5. **Trainee in the Khalid and Faisal Mrayat Contracting Co. For Instructions in Amman City, Jordan. As Mechanical Engineer, implement and supervise various projects in company. (2008-2009 & 2011-2012).**
6. **Trainee in the Fawzi Hamza Samara's Contracting Co. in Irbid City, Jordan. As Mechanical Engineer, implement and supervise various projects in company. (2007-2009).**
7. **Trainee in the Nichole Abu Khader and Sons Group for Automotives in Amman City, Jordan. As under graduated student course in summer semester of (2005-2006).**

IT SKILLS

- **Auto CAD 2D and 3D:** Quality drawing and designing ability using Auto CAD in its various versions.
- **Mechanical Desktop (3D Mechanical Design)** Quality drawing and designing ability using in Mechanical Desktop its various versions.
- **System advisor model (SAM)** program is based on an hourly simulation engine that interacts with performance, cost, and finance models to calculate energy output, energy costs, and cash flows. The software can also account for the effect of incentives on project cash flows. SAM models system performance using the TRNSYS software developed at the University of Wisconsin.
- **Transient system simulation tool (Trnsys)** is become reference software for researchers and engineers around the world. Main applications include: solar systems (solar thermal and photovoltaic systems), low energy buildings and HVAC systems, renewable energy systems, cogeneration, fuel cells.
- **Statistical simulation program (MINITAB).**
- **Building Energy Simulation Programs (eQuest & Derob):** Derob Program. DEROB- LTH, Dynamic Energy Response of buildings software. Is a building simulation program developed by the department of Building Science at Lund institute of Technology, Lund University (1999).

- **Microsoft Office:** Excellent skills in using Word, Excel & Power point.
- **Internet Literacy:** Excellent ability in researching using internet.

OTHER SKILLS

- Ability to perform mechanical researches.
- Ability to write scientific papers and analyze data.

PUBLICATIONS

- N. Badarneh¹ and S. Kiwan² ,ZeroNet Energy Building in Jordan, GCREEDER 2011, Amman-Jordan, April 26th – 28th ,2011,pp:1-7.
- Khaled M. Bataineh, Nadia Fayeze,Analysis of Thermal Performance Of Building Attached Sunspace,Energy And Buildings Journal,Vol 43,Issue8,Aug 2011,pp 1863-1868.
- Bataineh, K.; Fayeze, N.; Thermal Performance of Building Attached Sunspace In Jordan Climate, Nuclear & Renewable Energy Conference (Inrec), 2010, pp: 1 - 6

LANGUAGES

1. Arabic – Native
2. Romanian- fluent.
3. English –Very Good.