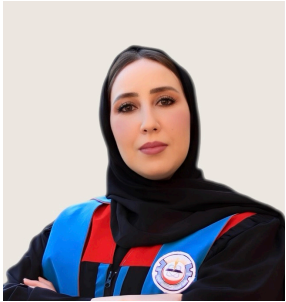


TAKWA SHAWKAT MANSOUR

Electrical Power Engineer | Research & Development | Circuit Design

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SUMMARY

As an Electrical Engineer with a master's degree in Power and Control, I offer a robust background in power systems, control theory, and energy efficiency. My expertise includes developing innovative electrical solutions, advancing sustainable energy technologies, and optimizing processes for maximum efficiency. With extensive experience in research, system design, and development, I am driven to contribute to cutting-edge R&D initiatives within organizations committed to innovation and progress. I excel in interdisciplinary and non-engineering research endeavors, demonstrating a strong capacity for learning and adapting to diverse challenges

KEY ACHIEVEMENTS

- Published Literature Reviews
- Electric Circuit Design
- Master's Project Management
- Innovative Energy Solution

EDUCATION

- 02/2020 - 12/2023 • M.S.C in Power and Control Engineering
Jordan University of Science and Technology
 - I hold a master's degree in electrical engineering with a specialization in Power and Control Engineering.
 - My master's thesis proposed a hybrid offset voltage calibration technique for dynamic compactor, titled "A Novel Hybrid Static Offset Voltage Calibration Technique for Dynamic Compactor Using Bulk Voltage and Shunt Current Trimming Techniques."
- 09/2013 - 09/2018 • B.E in Electrical Power Engineering
Yarmouk University
 - I have a bachelor's degree in electrical Power Engineering .
 - During my graduation project, I developed a Multi-Charger Power Bank that can charge low-power electrical devices using various sources of electricity. The project involved creating a device that can produce voltage from four different sources, including photovoltaic (PV) cells, mechanical movement, a DC battery, and a USB connection. The Multi Charger Power Bank can provide voltage from any of these sources to charge low-power electrical devices.

EXPERIENCE

- 03/2024 - 07/2024 • Research Assistant
Jordan University of Science and Technology
 - As Research Assistant at Jordan University of Science and Technology, I collaborated closely with my research supervisor to contribute to various projects. My responsibilities included assisting in the writing of literature reviews for academic publications, designing electric circuits, and simulating them for research purposes. Through this role, I gained valuable experience in developing experimental setups and analyzing data, which enhanced my technical skills and understanding of electrical engineering principles.
- 11/2023 - 02/2024 • Research and Development Engineer
Cardiff Academy
 - As a research and development engineer in training, I gained expertise in experimental design, data analysis, and problem -solving. I look forward to applying these skills to new challenges in the future.
- 02/2018 - 06/2018 • Design Engineer
Assawsaneh for Renewable Energy
 - I worked as a training student in the renewable energy industry. Designing both off-grid and on-grid systems was my job

SKILLS

Technical skills

MATLAB	Microsoft Office: Word-excel-powerpoint	PV-Syst	AutoCAD	Spice simulator	Proteus	ETAP
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Personal skills

Fast Learner	Excellent Communication Skills	Decision Making	Multitask	Effective Time Management
Analytical Thinking	Problem-Solving Skills			

LANGUAGES

Arabic Native	<div><div></div><div></div><div></div><div></div><div></div></div>	English Advanced	<div><div></div><div></div><div></div><div></div><div></div></div>
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CERTIFICATION

- * [Certificate of Reviewing from Elsevier for Computers & Electrical Engineering journal \(2024\).](#)
- * [Membership certificate from the Jordanian Engineers Association](#)
- * [Driver License.](#)