

# Curriculum Vitae

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## **TAREK ABDUSALAM RAMADAN ALAYEB**

Tripoli – Libya

Phone: +218917875082

Email: tarekalayeb@gmail.com

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## **Personal Information**

- Gender: Male
  - Date of Birth: 1986
  - Nationality: Libyan
  - Work Address: HIGHER INSTITUTE OF ENGINEERING TECHNOLOGIES / Tripoli
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## **Education**

- Bachelor's Degree in Electrical Engineering, Power Section – University of AL-JABAL AL-GHARBI (2009)
  - Master's Degree in Electrical Engineering – UNIVERSITI TUN HUSSEIN ONN MALAYSIA (2013)
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## **Work Experience**

- 2013 – Lecturer, Faculty of Science, University of Al-Jabal Al-Gharbi
  - 2014–2017 – Lecturer, Electrical Engineering, Higher Institute of Science and Technology / Oulad Ali
  - 2014–2015 – Lecturer, Electrical Engineering, College of Civil Aviation and Meteorology Technology / Sbi'a
  - 2015–2026 – Lecturer, Electrical Engineering, Higher Institute of Engineering Technologies / Tripoli
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## Research Publications

- Role of Distributed Generation in Power System Stability – Journal of Science and Technology, Vol. 3, Issue 2
  - Control Algorithm for an Active Filter Based on Fryze's Non-Active Power Theory **(in Arabic)** – Sabha University Journal of Pure and Applied Sciences, Vol. 20, Issue 4, 2021
  - Performance Improvement in Disturbed Ship Networks – Part I: A Comparative Study **(in Arabic)**– International Journal of Science and Technology, Issue 27, October 2021
  - Performance Improvement in Disturbed Electrical Networks: Ship Electrical Network as a Case Study – A Simulation Study **(in Arabic)**– International Journal of Science and Technology, Issue 30, July 2022
  - A Proposed Simulation Study of an Active Filter Using Fryze's Algorithm in Three-Phase Electrical Circuits **(in Arabic)**– Comprehensive Science Journal, Vol. 9, Issue 34, November 2024
  - Design and Simulation of a Degaussing System for Naval Ships to Counter Naval Mine Threats **(in Arabic)** – Comprehensive Science Journal, Vol. 9, Issue 34, November 2024
  - Study and Simulation of Short-Circuit Currents According to IEC vs. ANSI in Ship Power Systems **(in Arabic)**– Comprehensive Science Journal, Vol. 9, Issue 34, November 2024
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## Skills

- **Languages:**
  - Arabic: Fluent
  - English: Good
- **Engineering Tools:**
  - Hspice, Multisim, Quartus, Matlab
- **Operating Systems:**
  - Windows, Linux
- **Documents:**
  - Word, PowerPoint, Excel
- **Programming Languages:**
  - Visual Basic, Fortran, C++, VHDL