Curriculum Vitae

Personal Information

Name	Hazem Ali Jasim Sahi
Nationality	Iraqi
Religion	Muslim
Date of Birth	15/4/1995
Residence Address	Dhi-Qar/ Al-Nasiriyah
Job	Biomedical Engineer
Marital status	Married + 2 Children

Contact Information

Mobile Number	0776 460 1815
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Scientific Certification

- M.Sc. in Biomedical Engineering from Al-Nahrain University / College of Engineering / Biomedical Engineering Department (2021-2022).
- B.SC in Biomedical Engineering from Al-Nahrain University / College of Engineering / Biomedical Engineering Department (2017-2018).

Career

- Assistant Lecturer at Al-Ayen Iraqi University, College of Engineering.
- Head of the Medical Devices Unit at Dhi-Qar Thalassemia Center.
- Medical Equipment Maintenance Engineer at the ICU and Sterilization Unit at Nasiriyah Heart Center.
- Diagnostic Imaging Representative, MRI Engineer at GE Healthcare Company.

Skills	
Design and Simulation	▫ MATLAB ▫ PROTEUS ▫ LabVIEW ▫ MULTISIM ▫ ANSYS ▫ AutoCAD ▫ Adobe Photoshop ▫ Adobe InDesign
Programming Languages	▫ Python ▫ JavaScript ▫ C++

Teaching Courses

- Medical Devices Management, Dhi-Qar Health Department
- Medical Devices Maintenance, Baghdad Health Directorate- Al-Karkh.
- Simulation & Modelling, Knowledge Center for Artificial Intelligence, Baghdad – Al-Mansour
- E-governance, Ministry of Health.
- IoT , University of Baghdad.

Research Publications

- Investigating satisfaction and usability of an embedded multi-sensors based autonomous walker assistive device.
- Simulation of control framework and multi-sensor based design for autonomous walker assisted device.
- Force sensitive resistor feedback with assistive walker device.
- Designing an embedded multi-sensor autonomous system for walker-assisted locomotion.
- Design and implementation biomechanical modeling of lung and respiratory testing system.

Research Supervision

- Miniaturized CPR Feedback Device.
- Design and Manufacture a 3D-Printed Surgical Simulator for Thyroidectomy Training.
- Design and Implementation of a Smart Operation Room According to Engineering Standards.
- Design Movement-Based Control System for Upper-Limb Prosthetics.
- Muscle Activation Visualization System Based on EMG Sensor.
- Design and Implementation System for Measuring Oxygen Percentage in the Body.

Conferences

- The Fourth Scientific Conference for Electrical Engineering Techniques Research (EETR 2022).

- International Middle Eastern Simulation and Modelling Conference (MESM 2022).

Languages

- Arabic (Native)
- English
- Turkish
- Persian

I declare that all the contents of my Curriculum Vitae are correct and I pledge to provide all certified documents upon request.