


# CURRICULUM VITAE

<p><b>THE APPLICANT</b></p>	<p><b>Name:</b> Mr. Husam Yousef Abdalkareem Omar Al-Hetari  <b>Nationality:</b> Yemeni  <b>Mobile:</b> +967 777365539  <b>Email:</b> <a href="mailto:husamalhetari@gmail.com">husamalhetari@gmail.com</a></p> 
<p><b>EDUCATION &amp; ACHIEVEMENTS</b></p>	<ul style="list-style-type: none"> <li>- 2002 Sudan University of Sciences and Technology, Khartoum - Sudan  <b>Bachelor of Biomedical Engineering With Honour Degree- Excellent.</b></li> <li>- 2014 <b>Saleh Babakr prize for invention – Local competition – Second class</b></li> <li>- 2015 University of Sciences and Technology, Sana'a - Yemen  <b>Master of Biomedical Engineering - Excellent.</b></li> <li>- 2016 National Instrument (NI) competition - <b>Middle East competition for best design using LabVIEW – rank 12<sup>th</sup>.</b></li> </ul>
<p><b>PERSONAL PROFILE</b></p>	<p>I am confident, enthusiastic and prepared to work hard to achieve personal and career goals. I have a nature approach to responsibilities work and work well under pressure. Open and honest, I have wealth of experience gained in a variety of work environments. Ambitious and goal oriented. I am keen to find a challenge position in order to realize my full potential. My first objectives improving my experiences and developing healthy and education level in the society.</p>
<p><b>WORK HISTORY</b></p>	<p><b>1- ( University of Sciences and Technology – Sana'a ) 2009 - present</b>  <b>“ teaching staff ”, “ Medical Equipment Calibration and Training Center ”</b></p> <ul style="list-style-type: none"> <li>• Teaching Bioelectronics and Measurements lab. (ELETTRONICAVENETA-ITALY).</li> <li>• Teaching biomedical quality assurance advance lab .( FLUKE BIOMEDICAL- USA)</li> <li>• Quality assurance coordinator in Biomedical Engineering Department.</li> <li>• Consultant and trainer of quality assurance instruments ( I have got training in QA Instruments - FLUKE Biomedical - Dubai -2010).</li> <li>• Trainer for advance medical equipment. (BEDA PRECISION – KSA).</li> <li>• Supervisor for graduated students' projects and has good experience on <b>LabVIEW, Arduino , Protues and Matlab .</b></li> <li>• Teaching in Biomedical Engineering Department (advance subjects related to the filed) Such as DSP, Medical Imaging include ( X ray, Dental, Mammography, Fluoroscopy, Angiography, CT, MRI, PET, SPECT), Engineering physics, Electronics, Bioelectronics, Introduction to the BME, Trouble shooting lab, Calibration lab, Advance medical equipment lab, Bioelectronics lab.</li> </ul> <p><b>2- (Althowra Public Hospital – Sana'a ) 2003 – 2009</b>  <b>“Biomedical Engineer ”</b></p> <ul style="list-style-type: none"> <li>• Repairing and maintaining medical equipment.</li> <li>• Prepare, Check and test medical instruments specifications.</li> </ul> <p><b>3- (Bianounah Company Of Medical Supplies – Sana'a ) (part-time) 2006-2009</b>  <b>“ biomedical service engineer “</b></p> <ul style="list-style-type: none"> <li>• Repairing and maintaining medical equipment (CBC, Chemistry analyzer, Eliza)</li> </ul> <p><b>4- Social Fund of Development.</b>  <b>“ Consultant Engineer ”</b></p> <ul style="list-style-type: none"> <li>• Analyzing medical instruments bids and choosing better specifications.</li> </ul> <p><b>5- ( High Institute of Health Science - Head centre-Sana'a )</b>  <b>“ Teaching Staff ”</b></p> <ul style="list-style-type: none"> <li>• Teaching students subjects related to the field.</li> <li>• Participating in workshops of preparing the curriculums in medical equipment department</li> </ul>



<b>EXPERT TRAINER</b>	<ul style="list-style-type: none"> <li>• Course of preventive medical equipment maintenance and medical equipment management in health facilities - using FLUKE Biomedical analyzers and simulators - supervision and Fund of European Union - Ministry of Public Health and Population -Sana'a -2016.</li> <li>• Course of Electrical Safety in health care facilities - using 601 PROXL INTERNATIONAL SAFETY ANALYZER - central laboratories – Ministry of Health - Sana'a -2016.</li> <li>• Course of Quality assurance of medical equipment in ICUs - Quality Assurance and Consultant Center - UST - Sana'a -2016.</li> <li>• Courses of quality assurance instruments using FLUKE Biomedical analysers and simulators– UST- Sana'a (I have trained many students from local and foreign universities).</li> </ul>
<b>RESEARCH ACTIVITIES</b>	<p>Published scientific papers:</p> <ul style="list-style-type: none"> <li>• A Mathematical Model of Lung Functionality using Pressure Signal for Volume-Controlled Ventilation , 2020 , IEEE.</li> <li>• Modeling Lung Functionality in Volume-Controlled Ventilation for Critical Care Patients, 2020 IEEE.</li> <li>• Sensor- based fall detection systems: a review, ISI, 2021.</li> <li>• Simulation of Mathematical Model for Lung and Mechanical Ventilation, Journal of Science &amp; Technology, Vol. (21) No. (1) 2016.</li> <li>• Quality Assurance Measurement of Low Flow Rate Infusion Pumps Devices, Journal of Science &amp; Technology, Vol. (20) No. (1) 2015.</li> <li>• Comparison of 3D Protein structure Prediction Algorithms, International journal of Engineering Research and Application, IJERA, Volume4 , Issue 2,2014</li> </ul>
<b>E-LEARNING</b>	Effective teacher in E-learning (UST E-.learning program- LMS)
<b>BMECCC Manager</b>	<p>Responsible for Biomedical Engineering Calibration and Consultation Center in UST-Yemen.</p> <p>The duties include :</p> <ul style="list-style-type: none"> <li>- Quality assurance and calibration of medical equipment .</li> <li>- Training of medical equipment quality assurance courses .</li> </ul>
<b>APPRECIATION CERTIFICATES</b>	<ul style="list-style-type: none"> <li>• Merit certificate because of achieving second class of Saleh Babakr competition for invention.</li> <li>• Merit certificate because of achieving tenth class of the republic at preparatory schools.</li> <li>• Certificate of good behaviour - Sudan University of Science and Technology</li> <li>• Thanks certificate because of participating in workshop of preparation education curriculums - High Institute of Health Science – Sana'a.</li> <li>• Merit certificate because of training foreign universities' students and engineers - UST- Sana'a.</li> </ul>
<b>LANGUAGES</b>	<p>1-Arabic: Fluent.</p> <p>2-English: V .good.</p>
<b>INTEREST AND ACTIVITIES</b>	<ul style="list-style-type: none"> <li>• Effective member of Anti-Qat Association.</li> <li>• I enjoy Swimming, Reading, Gardening and Volunteer Work.</li> <li>• Keen to learn from the experiences of others.</li> </ul>
<b>REFERENCES</b>	Available on request