

<p><b>Name</b></p>	<p><b>Jamel Ali Sghaier SMIDA</b></p> 
<p><b>Position</b></p>	<p><b>Quality Center Manager</b></p>
<p><b>Academic career</b></p>	<p><b>Since Sept. 2013</b>      <b>PhD in Electrical Engineering</b> "In progress"  Higher National School of Engineers of Tunis  Tunis University - Tunisia <a href="http://www.ensit.tn/">http://www.ensit.tn/</a>  Research area  <b>"Bio Medical Instrumentation", Design and implementation of a fetal heart rate monitoring system.</b></p> <p><b>June 2000</b>      <b>Aggregation in Electrical Engineering</b>  High Institute for Sciences and Technology  Tunis University - Tunisia <a href="http://www.esstt.rnu.tn">www.esstt.rnu.tn</a>  Rank: 3<sup>rd</sup> / 11</p> <p><b>June 1995</b>      <b>Bachelor's degree in Electrical Engineering</b>  High Institute for Sciences and Technology  Tunis University - Tunisia <a href="http://www.esstt.rnu.tn">www.esstt.rnu.tn</a>  Rank: 3<sup>rd</sup> / 44  Final Project Area:  <b>"Electronic Instrumentation" [Regulation of a light source by microcontroller 8052 AH BASIC]</b>  Supervised by: The National Institute for Scientific and Technology research of Tunis (INRST)</p> <p><b>July 1995</b>      <b>Aptitude Certificate for Technology Education</b>  High Institute for Sciences and Technology  Tunis University - Tunisia <a href="http://www.esstt.rnu.tn">www.esstt.rnu.tn</a></p> <p><b>Jun 1991</b>      <b>Scientific Baccalaureate</b>  Ministry of Education, Gafsa - Tunisia <a href="http://www.edunet.tn">www.edunet.tn</a></p>
<p><b>Employment</b></p>	<p><b>Since Sept. 2018</b>      <b>Lecturer – Applied Sciences College</b>  <b>Quality Center Manager</b>  AlMaarefa University - Riyadh, KSA  <a href="https://www.um.edu.sa/">https://www.um.edu.sa/</a></p> <p><b>Sept. 2017 – Aug. 2018</b>      <b>Technologist "equivalent to the Assistant Professor"</b>  High Institute of Technological Studies - Gafsa  High Education Ministry, TUNISIA</p>

	<p style="text-align: center;"><a href="http://www.isetgf.rnu.tn">www.isetgf.rnu.tn</a></p> <p><b>Sept. 2009 – Aug. 2017</b>      <b>Lecturer</b>  <b>Quality Center Manger</b>  <b>Medical Equipment Technology Department</b>  College of Applied Medical Sciences  Majmaah University - KSA  <a href="http://www.mu.edu.sa">www.mu.edu.sa</a></p> <p><b>Sept. 2006 – Aug. 2009</b>      <b>Lecturer</b>  Applied Medical Sciences Department  Community College Majmaah  King Saud University - KSA  <a href="http://www.ksu.edu.sa">www.ksu.edu.sa</a></p> <p><b>Sept. 2002 – Aug. 2006</b>      <b>Technologist “equivalent to the Assistant Professor”</b>  <b>Head of the Department of Electrical Engineering</b>  High Institute of Technological Studies - Gafsa  High Education Ministry, TUNISIA  <a href="http://www.isetgf.rnu.tn">www.isetgf.rnu.tn</a></p> <p><b>Sept. 2000 – Aug. 2002</b>      <b>Aggregated Teacher "equivalent to the Lecturer"</b>  Department of Electrical Engineering  High Institute of Technological Studies - Gafsa  High Education Ministry, TUNISIA  <u><b>“Establishing the department and its laboratories”</b></u>  <a href="http://www.isetgf.rnu.tn">www.isetgf.rnu.tn</a></p> <p><b>Sept. 1995 – Jun 1999</b>      <b>Teacher</b>  Regional Direction of Education in Gafsa  Ministry of Education, Tunisia  <a href="http://www.edunet.tn">www.edunet.tn</a></p>
<p><b>Research and development projects over the last 5 years</b></p>	<ul style="list-style-type: none"> <li>• ABET Program Accreditation – Biomedical Equipment Technology Program - Majmaah University</li> <li>• AHPGS Program Accreditation – Health Sciences Programs - Majmaah University</li> <li>• NCAAA institutional Accreditation – Majmaah University</li> <li>• NCAAA institutional Accreditation – AlMaarefa University University</li> </ul>

<b>Industry collaborations over the last 5 years</b>	<p>I Supervised many final projects for Medical equipment students in Majmaah University in collaboration with senior engineers from the Pacific Industrial:</p>		
	Hospital supervisor	Hospital	Project
	Mr. Mbarek Othman	King Khaled Hospital in Al-majma'ah	Pulse Oximeter " MRL "
			Infusion Pump " IMED 915 "
			SYRING PUMP " Asena GS MKIII "
			Centrifuge "Heraeus Digifuge GL"
	Mr. Maayouf Abdelaziz	Alhouta Hospital in Al-majma'ah	INTENSIVE CARE VENTILLATOR "EvitaXL"
			Sterilization Device " Tuttnauer "
			Centrifuge "ALC PK 130 "
			Autoclave " Sirona-Dac Professional "
	<p>I Supervised many final projects for Electrical Engineering students in the institute of higher technological studies in collaboration with senior engineers from the Pacific Industrial:</p>		
	<p><b><u>Subject 1</u></b> Emergency power supply of the room of data processing of Phosphate Company of Gafsa «CPG»  <input type="checkbox"/> <b>Industrial Collaborator: Eng. HADDAD Mohamed</b></p>		
	<p><b><u>Subject 2</u></b> Electrical power box for the progressive starting of an asynchronous motor to Tunisian Chemical Group «GCT»  <input type="checkbox"/> <b>Industrial Collaborator: Eng. BOUKTHIR Mohamed</b></p>		
	<p><b><u>Subject 3</u></b> Study and realization of a three-phase inverter with order 120° with the Phosphate Company of Gafsa « CPG »  <input type="checkbox"/> <b>Industrial Collaborator: Eng. KHALDI Elkamel</b></p>		
	<p><b><u>Subject 4</u></b> PC monitoring of a station of treatment of water to the CPG « LAUNDRY III M'Dhilla »  <input type="checkbox"/> <b>Industrial Collaborator: Eng. ROUISSI Chokri</b></p>		
<p><b><u>Subject 5</u></b> Improvement of the energy distribution on the level of a switchboard low tension to the GCT  <input type="checkbox"/> <b>Industrial Collaborator: Eng. NAFAATI Ali</b></p>			
<p><b><u>Subject 6</u></b> Study of the physical sensors and design of adequate adapters for acquisition by PC with the CREFOC of GAFSA  <input type="checkbox"/> <b>Industrial Collaborator: Eng. Smaoui Elfadhel</b></p>			
<p><b><u>Subject 7</u></b> Automatic irrigation of a greenhouse with the CRDA of GAFSA  <input type="checkbox"/> <b>Industrial Collaborator: Eng. TLIJANI Mohamed</b></p>			
<p><b><u>Subject 8</u></b> Study and realization of a remote control of a door of garage by infra-red at the MICRO company 21 GAFSA.  <input type="checkbox"/> <b>Industrial Collaborator: Eng. FERCHICHI Ahmed</b></p>			

<b>Patents and proprietary rights</b>	NA
<b>Important publications over the last 5 years</b>	<ul style="list-style-type: none"> <li>• Altaf, A.; Iqbal, A.; Smida, A.; Smida, J.; Althuwayb, A.A.; Hassan Kiani, S.; Alibakhshikenari, M.; Falcone, F.; Limiti, E. Isolation Improvement in UWB-MIMO Antenna System Using Slotted Stub. <i>Electronics</i> 2020, 9, 1582. <a href="https://doi.org/10.3390/electronics9101582">https://doi.org/10.3390/electronics9101582</a></li> <li>• Jibreel EAM, Zakari NMA, Smida JA. Develop assessment framework inspiring-Saudi Arabia's Vision 2030 for health program in higher education: an experience from Al Maarefa University, Riyadh, Saudi Arabia. <i>IJMDC</i>. 2020; 4(8): 1233-1238. doi:10.24911/IJMDC.51-1592585802</li> <li>• Development of fetal phonocardiography system for twin and multi pregnancy Biosensors &amp; Bioelectronics 2nd International Conference Chicago – USA ; 2013</li> <li>• QA/QC and Reliability Testing of Medical Radiation Equipment's - RAMS 2014 conference</li> </ul>
<b>Activities in specialist bodies over the last 5 years</b>	<ul style="list-style-type: none"> <li>• Learning management systems</li> <li>• Courses specifications and reports</li> <li>• Building Electronic Exam</li> <li>• Using the electronic information resources</li> <li>• Learning Outcomes &amp; KPIs: Application and Integration</li> <li>• Third International Conference on Quality Assurance in Post-Secondary Education</li> <li>• Academic Advising Skills</li> <li>• Improving Quality of teaching</li> <li>• Nanotechnology, Nano sensors, and their Applications in Biomedicine</li> </ul>