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**Academic Curriculum Vitae**



**Personal Information:**

Full Name: Velar Hikmat Elias

Academic Title: Assistant Lecturer

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Mobile: 07504712766

**Education:**

From UNIVERSITY OF SALAHADDEN, I have:

• B.Sc degree in Electrical Engineering - Salahaddin University 2002/2003.

• M.Sc. degree in "Information and Communication -Engineering- ICE " Salahaddin University 2007/2008.

**Employment:**

* 2003-2005 I work as Engineer at Salahaddin University in electronic and communication lab, college of engineering, electrical department.
* 2008 until now (after master degree) as Lecturer at SALAHADDIN University College of Engineering, electrical department.

**Qualifications**

* Teaching qualifications at 8-7-2010, file number “10046/3/2”
* ( IT-level 3:PC hardware, software, and networking - 2009) International certification from CISCO Network Academy. This level is advance (instructor level).
* (HCIA - Routing and Switching - 2020) International advance level certification from HUAWEI Technologies Co., Ltd
* At 2019, I successfully completed an IELTS course, certified by catholic university Erbil CUE.

**Teaching experience:**

* (communication-Engineering for third-year electrical engineering students,
* electrical measurements and instrumentation for Forth, third, and second-year electrical engineering students,
* mechanical engineering for first-year electrical engineering student,
* Analog communication for third year Physics Science students,
* and digital signal processing for fourth-year Physics Science students).
* Data-Base (Data Modeling) Forth class electrical engineering
* MATLAB for fourth-year electrical Engineering
* Digital Electronics for third-year electrical Engineering
* Data Communication (PC-Networks) for fourth-year electrical engineering
* Statistics and Probability for second year electrical engineering

Supervising and lecturing experiments in LAB

* Analog communication lab. supervising and lecturing experiments for third-year electrical engineering students
* Electronic lab. supervising and lecturing experiments for second-year electrical engineering students
* Electronic lab. supervising and lecturing experiments for Third-year electrical engineering students
* Digital communication lab. supervising and lecturing experiments for forth-year electrical engineering students

And I supervise many graduation projects fourth-year electrical engineering students projects like

* Image compression using wavelet transform-MATLAB,
* Performance evaluation of ADSL-MATLAB,
* Electronic library Networks Design-PACKET TRACER,
* Comparison between gray code system and binary code system-MATLAB,
* Performance enhancement using wavelet denoising over AWGN channel-MATLAB,
* Real-time motion detection-MATLAB.
* Smart homes using CISCO packet tracer
* Image analysis using MATLAB
* IOT for smart office
* High speed network design and implementation for companies

**Research and publications**

* Performance Evaluation of DWMT Downlink Scheme over UTP-3 Cable, ELEKTRIKA, Universiti Teknologi Malaysia, vol.11, no.2, pp. 20-26, 2009
* Modeling and Simulation of Discrete Wavelet Multi-Tone, Journal on Software Engineering, vol.2, no.3, pp. 1-5, 2008
* Wavelet Filter Bank-based nonuniform Multi-Tone Transceiver for Digital Subscriber Line, IEEE 11th International Conference on Computer and Information Technology CIT, Cyprus, August 2011.
* Real-Time Motion and Color Detection, is accepted by Journal of Zankoy Sulaimani – Part A (JZS-A), published in Vol. (17), No.(4), (2015).)

**Professional memberships**

* Kurdistan Academic Union from 2005
* Kurdistan Engineers Union from 2003

**Professional Social Network Accounts:**

* <https://academics.su.edu.krd/velar.elias/>
* <https://scholar.google.com/citations?view_op=new_profile&hl=en&authuser=3>
* <https://www.researchgate.net/profile/Velar-Elias>
* <https://www.linkedin.com/in/velar-hikmat-478082166/>