Personal Data

Recent Photo	
Name (Arabic)	ايمان سالم عبد العزيز سالم
Name (English)	**Eman Salem Abdelaziz Salem**
Department	**Electrical Engineering Department.**
College	**Benha Faculty of Engineering**
Academic Degree	**B.Sc. of Engineering and Technology.** **M.Sc. of Engineering and Technology.** **Ph.D. in Engineering Sciences.**
Academic Position	**Lecturer at Benha Faculty of Engineering since 2020.** **Instructor at Benha Faculty of Engineering since 2010.**
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Education

University	Degree obtained	Year
Benha Faculty of Engineering *General specialty:* *Electronic and Communication* *Systems.*	**B.Sc. of Engineering and Technology** **M.Sc. of Engineering and Technology.** **Ph.D. of Engineering.** **Ph.D Thesis Title "ASIC Design and Implementation of Physical Layer for High Speed Ethernet System.**	**2009** **2014** **2020**

Language skills (Excellent, Very Good, Good, Basic)

Language	Reading	Speaking	Writing
Arabic	**Excellent**	**Excellent**	**Excellent**
English	**Very Good**	**Good**	**Very Good**

Skills and Expertise

Programming Languages	**C++, C++ Object Oriented OOP,** **MATLAB,** **VHDL Language.** **Python Language** **Microsoft Office**

Software Tools	**Experience in ASIC Digital Design**
	
	EDA Tools:
	    Synopsys Design Compiler
	    Cadence SOC Encounter
	    Cadence Virtuoso Tool.
	    Model SIM.
	Xilinx Ise
	MATLAB (m file- Simulink)
	Code::Blocks

Hardware Tools	**FPGA and ASIC Chips**
Academic Courses	**Data Structure and Algorithm** **Micro Electronic Circuits** **Design of Electronic Circuits** **MATLAB** **Computer Programming "C++, C++ OOP"** **Python Language " Computer Fundamentals and Programming"** **Cryptography and Cryptanalysis**

Scientific Publications	1. **E.Salem , A.Zekry, H.Labeb,, and RM.Tawfik, " FPGA implementation of 1000base-x Ethernet physical layer core ", International Journal of Engineering & Technology, 7 (4) (2018) 2106-2112.** 2. **E. Salem, A.Zekry, and RM. Tawfeek," ASIC Design and Implementation of 25 Gigabit Ethernet Transceiver with RS_FEC", International Journal of Electrical and Electronic Engineering & Telecommunications Vol. 9, No. 3, May 2020.**

Supervised Projects	1. **BFE Students Graduation Project "Computer Network Infrastructure with Security" 2021**