Ministry of High Education
Higher Institute of Engineering and Technology

Curriculum Vitae

Asmaa Fereg Khalil Abouelnader Desoukey

1- Personal Data	
Name :	Asmaa Fereg Khalil Abouelnader Desouky
Title :	Teacher Assistant
Date of Birth :	5-8-1989
Place of Birth :	Kafr Elshiekh - Desouk
Marital status :	Married
Degree:	Master of science, 2019 Electronics and Electrical Communication Engineering- Alexandria University
Mailing Address :	Higher Institute of Engineering and Technology (HIET), Kafer Elshiekh.
Home Address :	1- Desouk, Naeem street from El-sharekat street 2-In front of messier public hospital, Messier, Kafer Elshiekh
E-mail address :	asmaa.fereg@gmail.com
Tel. # :	0473290620 - 0472560918
Mobile :	+201009100220 - +201099225350
Nationality :	Egyptian

2- Scientific Qualifications A. First University Degree: B.Sc.	
Degree :	Bachelor of Engineering Degree
Faculty :	Higher Institute of Engineering and Technology

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Major Field :	Electronics, Electrical Communication Engineering and Computing
Minor Field :	Electronics and Electrical Communication Engineering
Date and Grade :	2011 - Excellent
B. Second University Degree: M.Sc.	
Degree	M.Sc.
University	Alexandria University
Faculty	Faculty of Engineering
Major Field	Electronics and Electrical Communication Engineering
Minor Field	Microwaves and Antennas
Date	2019

3- Employment History

Demonstrator (under training) at Higher Institute of Engineering and Technology (HIET) in Kafr Elshiekh.	2011-2013
Demonstrator at Higher Institute of Engineering and Technology (HIET) in Kafr Elshiekh.	2013 – 2019
Teacher Assistant at Higher Institute of Engineering and Technology (HIET) in Kafr Elshiekh.	2019 – Till now

4- Scientific Missions and skills

- Attending and participate in the IEEE 5th International Conference on Electrical and Electronics Engineering | Istanbul, Turkey | May 3-5, 2018.

- The excellent presenter prize in the IEEE 5th International Conference on Electrical and Electronics Engineering | Istanbul, Turkey | May 3-5, 2018.

- Design, simulate and fabricate microstrip components such as filters, dividers, resonators … and antennas at microwave frequency.

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5- Membership in Professional Organizations and Scientific Society

1. ICEEE Reviewer

6- Conferences and Scientific Forums

1- IEEE 5th International Conference on Electrical and Electronics Engineering | Istanbul, Turkey | May 3-5, 2018.

7- Lecturing Experience

Courses:
1- Physics I
2- Measurement and laboratory (First Year)
3- Measurement and laboratory (Second Year)
4- Measurement and laboratory (Third Year)
5- Electronics I
6- Electronics II
7- Communication I
8- Microwave I
9- Microwave and Antenna
10- Electrical Circuits (Second Year)

8- Projects

1- National Project

- Participate on national project called Microwave Museum Security System (Alliance product #7) as a freelancer antenna designer.

2- Supervision on Graduation Projects
Higher Institute of Engineering and Technology In Kafr El-Shiekh, Egypt (2015-2017)

- Breast Cancer Early Detection Using Microwaves (Phase#1)
- Brest Cancer Early Detection Using Microwaves (Phase#2)

9- Technical Skills

- **Programing**
  - MATLAB
- **Simulations**
  - Electromagnetic: ANSYS HFSS, CST Microwave Studio.
  - Circuit: Protus

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10- Soft Skills

- Good Research Abilities in new topics.
- Ability to work in groups.
- Work under pressure.
- Manage a small group.
- Self-Motivated.
- Excellent communication skills

11- Thesis	Date	Type
Design and Implementation of a Proposed Coaxial-to-CPW Metamaterial - UWB High Gain Antenna for Examination and Detection of Breast Cancerous Tumor	2019	M.Sc.

12- LIST OF PUBLICATIONS

[1] M. B. Tayel, T. G. Abouelnaga, and **A. F. Desouky**, "A Coaxial-To-Cpw Transition For Microwave Breast Cancer Detection Antennas," IOSR J. Electr. Electron. Eng., vol. 11, no. 5, pp. 42–53, 2016.

[2] T. G. Abouelnaga and **A. F. Desouky**," UWB Antenna with All Band Suitable Radiation Pattern for Breast Cancer Detection" International Journal of Engineering and Technology (IJET), Vol 9 No 2, pp. 720-737, 2017.

[3] Mazhar Basyouni Tayel, Tamer Gaber Abouelnaga and **Asmaa Fereg Desouky**, "UWB High Gain Antenna Array For Sar Based Breast Cancer Detection System," IEEE Conf., 2018 5th International conference on Electrical and Electronic Engineering (ICEEE), Istanbul, Turkey, pp. 311-316, May, 2018.

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