

CURRICULUM VITAE

Nesma Mohamed Ali

11th of El Mlabs El Gahza Street, Ismailia, Egypt.

Date of birth: 7 May 1993.

Marital Status: Single.

Languages: Arabic: Native, English: Very Good.

Mob. Phone: 002-01064426266

Email: nesma6155.mohamed@gmail.com



CAREER OBJECTIVE

I am Research Assistant working towards my Master's Degree in Communication Engineering, where I have finally found my motivating field of interest and also look forward to becoming an active member of a professional organization such as the Institute of Electrical and Electronics Engineers (IEEE) so as to ensure a continual update of my knowledge of the ever advancing field of Electrical and Electronics Engineering.

I am not afraid to face challenges. I am brave in facing my shortcomings and good at self-analysis, self-correction and self-stimulation, which has helped me to become successful in the past and will lead to me to even greater success in the future. It is my heartfelt desire that I may continue on my path to success within your esteemed Ph.D. program.

EDUCATION

▪ ***Preliminary Master*** **2020– Present**
Faculty of Engineering, Suez Canal University, Department of Electronics and Communications Engineering.

▪ ***B. Sc., Electrical Engineering*** **May 2016**
Communication & Electronics department, Higher Valley Institute for Engineering and Technology (SVA Academy).
Graduation Grade: Very Good with GPA (3.05).

Graduation Project:

Smart Vehicle Tracking Module, this project presents a Vehicle Localization System using GPS and GSM services (Grade: Excellent).

Nesma Mohamed,

Email: nesma6155.mohamed@gmail.com

CURRICULUM VITAE

PROFESSIONAL EXPERIENCE

Teaching Assistant (Full-Time)

Higher Valley Institute for Engineering and Technology, Nov. 2016 – Present

Courses: Signals and Systems, Electronics I, Electronics II, Digital Signal Processing, Information Theory and Coding, Digital Communication, Mobile Communication, Optical Communication Systems, Computer Organization, Electromagnetic Theory, Electromagnetic Waves & Waveguide, Microwave Engineering, Antenna & Wave Propagation, Selected Topics in Communication Engineering and Satellite Communication.

Electronics Engineering Lab

- Conducted lab experiments to model appropriate techniques for class of 30 undergraduate students.
- Mentored students to provide individual instruction and explanation during office hours on a weekly basis for multiple courses.

Microwave Lab

- The lab course will give a practical exposure to students to become familiar working with rectangular waveguides and doing microwave bench set up.
- To gain the practical hands on experience by exposing the students to various microwave components and measure wave parameters like impedance, frequency, wavelength using microwave bench and VSWR/power meter.

Antenna & Wave Propagation Lab

- Train Students testing/characterizing the performance of antennas.
- Make Students aware of the commercial requirements for antennas, and the availability and utilization of simulation software.

TECHNICAL SKILLS

- Good Knowledge with CCNA and MATLAB.
- Good Knowledge with HFSS.
- Good Knowledge of Windows, Ms Office and internet.
- Good Knowledge of TEMS Investigation and Atoll Simulation.

Nesma Mohamed,

Email: nesma6155.mohamed@gmail.com

CURRICULUM VITAE

- Good Knowledge with PSpice and Xilinx ISE.

RESEARCH INTERESTS

- Electromagnetics Fields and Antenna Designs.
- Mobile Packages (2G/3G/4G/ 5G).
- Wireless Communication.
- Computer Architecture.
- Analog and Digital IC Design.

TECHNICAL COURSES

- Mobile Package Diploma (2G, 3G, 4G and 5G) at Mega Academy with Eng. Waleed Elsafoury. *August 2020*

Training History

NTI Digital Egypt Youth (DEY) Training Program September 2021– October 2021

Ministry of Communications and Information Technology (MCIT).

Track: Mobile Technologies.

Module1 Name: Mobile Technologies and Quality of Service.

Technical Contents:

- Introduction to Wireless Communications and its channel characteristics.
- GSM/UMTS/LTE Mobile Networks.
- Other Mobile Networks.
- LTE deployment scenarios.
- Mobile and Wireless Networks Security.
- Value Chain.
- Value Added Service (VAS).
- Mobile Network Backhauling and Transmission Technologies.

CURRICULUM VITAE

Module2 Name: LTE-A and 5G Mobile Technologies.

Technical Contents:

- LTE-advanced and its KPI's.
- 5G use cases: eMBB, mMTC, and URLLC.
- 5G and Beyond (SDN, CRAN, Net Virtualization, Network Slicing).
- Wireless Technologies: (WiFi, WiGig, Low power WAN (LoRa)).
- Cognitive Radio and Software Defined Radio.
- IoT Infrastructure and Smart City Solutions.
- Mobile Network Planning concepts.
- Capacity Planning.
- Radio Site Engineering.
- Operation and Network Management Centre.

Systel Telecom/Itida Developing IT in Egypt

August 2015

Technical Courses: Telecommunication, Mobility Networks, Wireless Broadband, Principle of Linux and Basic of Network.

Others Courses: Communications Skills, Presentation Skills, Goal Setting and Time Management, Team Work, Resumes and Interview Skills.

Personal Skills

- Wide Social activities.
- Good interpersonal and communication skills.
- Competency work under pressure.
- Adaptable, cooperative & well organized.

Nesma Mohamed,

Email: nesma6155.mohamed@gmail.com