

Dina Ahmed Kamal

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Career statement:

Having this great progress in technology field around the world, I believe that new fresh engineering minds are needed the most to discover and innovate. That's what I dedicate my career to achieve.

Education:

Current degree:

- B.Sc. degree of Electrical Engineering, Communications and Electronics section, Alexandria University, Egypt. 2013-2017(expected)

Previous Education:

- Mohamed Zahran languages schools (1999-2012).

Activities & Responsibilities:

Volunteer member: E-Web Association Community (2014-Present)

- ENGINEERING WEB is a pure Egyptian Voluntary Scientific Non-profitable Organization for providing and exerting best quality of scientific services that could help the students to become the engineers their country is waiting for.

Electric Week'16 Project Manager : E-Web Association Community (2015)

- Electric Week is a scientific conference held annually at the bibliotheca of Alexandria through E-Web. The conference attracts a large number of attendees each year with its unique template, which aims to link the labor market and theoretical studies and enriches the skills and capacities of the audience by offering a number of seminars and workshops not only in engineering science but extends to include some of humanities and soft skills.

participant at chipions program (Nov 2014-Oct 2015)

- "Chipions" is an electronics-oriented educational long term program that helps students in understanding a lot of topics related to electronics fields either through technical sessions, workshops, or labs. It also supports them with the needed mentors to guide them throughout the program.

Independent Courses:

- Mobile communication systems
- Matlab

Bachelor Project: LTE RF Planning (Outdoor and Indoor Planning)

Indoor Planning

- Studying different indoor solutions such as distributed antenna system (DAS) and Femto cells
- Make site survey in Mall of Egypt
- Studying planning approach for DAS and Femto cells system
- Calculating limiting technology in case of planning indoor solutions in case of different technologies and bands.
- Using Tau-Rays indoor planning tool for DAS and Femto cells designs for different venues
- Comparing between DAS and Femto solutions in achieved data rate in LTE system
 - Implementing MATLAB code for power and SINR evaluation for DAS and Femto cells systems.
 - Implementing MATLAB code for finding best reuse factor for minimizing interference and assign channels to Femto antennas automatically.
 - Comparing between achieved SINR in Femto cells system without and with using reuse factors.
 - Implementing MATLAB code for calculating achieved data rate in LTE system according to achieved SINR and available resource blocks.
 - Comparing between achieved data rate between DAS and Femto cell systems.

Outdoor Planning

- Covering Alexandria area with sites using Google earth program
 - We get our output as a Manual excel sheet by calculating all the parameters that affect our planning and get a fully information/data about the available sites.
- Link budget excel sheet for calculating the loss and the distance between the sites in each region.
- GUI matlab tool for automatically calculating the number of sites needed for the capacity calculations.

Languages:

- Arabic
- English

Technical Experience & Training:

Trainee: Vodafone Egypt (April 2017)

- One-week training about telecommunication and network systems.

Making site survey on Mall of Egypt (February 2017)

Soft Skills:

Teamwork- Presenting - Public speaking-Self-Learning- Management- Leadership-teaching

Software Programs Familiar with:

Microsoft Excel – Matlab – Multisim – Optisystem - Microsoft Office