

# Mostafa Abdallah EL –Hosiny

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## Career History

- Teaching Assistant in Mathematics Department , Faculty of Engineering , Cairo University (September2012 to present)

## Education

- Electronics and Communication Department  
Faculty of Engineering,  
Cairo University  
(From September 2007- July 2012)
- Grade  
Preparatory Year (2008): Excellent  
1<sup>st</sup> Year (2009): Excellent(15th)  
2<sup>nd</sup> year (2010): Excellent(16th)  
3<sup>rd</sup> Year (2011): Excellent(7th)  
4th Year (2012): Excellent(7th)  
Accumulative grade: Excellent(12th)

## Internship Experiences

- **NTRA** (National Telecommunication Regularity Authority) internship (July 2011).
- Security meter internship on Linux and Embedded systems (July 2011).
- Completed the training in Sherket El-kahrba (July 2011).
- Completed the **CECE** (Communications and Electronics Club for Engineers)  
Training on Basics of Analog and Digital Circuits (July 2009).
  - Learned about digital and analog circuits.
  - Implemented a digital clock as a hardware project.
  - Implemented a “power supply” has four outputs -5, +5,-12, +12 volts.

## Extracurricular Activities

- Participated in **Resala** (since 2010 till now).
- Member in **IEEE -CUSB** academic team, 2010.
- Participated in **Ashab Makan**

## Courses

- Numerical Linear Algebra(Pre-Master),, May 2014
- Advanced Numerical Analysis(Pre-Master),, May 2014
- Pattern Recognition (Pre-Master), May 2014
- Advanced Linear Algebra(Pre-Master), Jan 2014
- Non Linear Programming(Pre-Master),, Jan 2014
- Introduction to Linear Programming(Diploma in Mathematics) , May 2013
- Probability and statistics (Diploma in Mathematics) , May 2013
- Abstract Algebra(Diploma in Mathematics) , May 2013
- Linear Algebra (Diploma in Mathematics) , Jan 2013
- Operating system (included in our Study in college),March 2012
- Wireless communication (included in our Study in college),March 2012
- Android applications programming Course ; March 2012
- Java programming Course ; February 2012
- Digital signal processing (included in our Study in college), October 2011.
- GSM Course ,September 2011
- Communications Course using Matlab ; August 2011
- Computer architecture course(included in our Study in college), October 2011
- Microcontroller course; August 2010
- Matlab programming; February 2010.
- Microprocessor Design (included in our Study in college), January 2010.
- Matlab introduction; June 2009

## **Graduation Project**

A Mobile application aims to serve illiterate people as they represent large percentage of Egypt's population. We aim to build this application which deals with illiterate persons via voice interface so that the person can read and spell Arabic (character/word/phrase) correctly. Application launches with illiterate person's voice Activation , when application starts, it offers operational modes (Learning & Test) as a recorded message ,user chooses a mode, mobile matches his voice with the starting voice , mobile will show a pattern to him, person has to pronounce it, Mobile judges if the pronounced pattern is correct or not

## **Hardware Skills and Projects**

- Design of speech recognition system using HTK toolkit.(Feb. 2012).
- Design of analog Unity gain buffer using Cadence tool (Jan. 2012).
- Implementation of very simple OFDM model on Matlab(December 2011).
- Implementation of Circular loop antenna model on Matlab(December 2011).
- Complete Network design for faculty of engineering(December 2011).
- Implementation of simple speech recognition system on Matlab(November 2011).
- Electronic Voting System, using ATMEGA16 microcontroller and interface it with Keypad, External Serial Memory, Graphical LCD and PC (May 2011).
- Designed a "Speech Acquisition system" as an example of Data Acquisition System (DAS) using microcontroller (Jan 2011).
- Digital storage oscilloscope, (Dec 2010).

- Designed and implemented “a very simple microprocessor” has six operations (May 2010).
- Implementation of a simple digital clock using micro controller ,(Sep 2010).
- Design of a simple calculator using mat lab GUI ,(Feb 2010)
- Design and Implementation the Circuit of “Six Bit FlexoWriter “ ,(May 2009).

## **Skills**

### **Language**

- Arabic : Native Language
- English : Very Good in spoken and written

### **Computer**

- Very good Knowledge of MS Word, Eclipse,NetBeans,Matlab, Cadence, Modelsim and other simulation programs.
- Very good in dealing with Windows and Linux Operating System.

## **Hobbies**

Reading, football playing, and Travelling.

## **Personal Data**

- Date of Birth : April 11, 1990
- Place of Birth : Cairo, Egypt
- Nationality : Egyptian
- Military status: exempted

## **References Furnished Upon Request**