**CURRICULUM VITAE**

# PERSONAL INFORMATION

Name: Mahmoud Mohamed Kamel Gelany

Address: Electrical Engineering Department, Faculty of Engineering,

Assiut University, Assiut, Egypt.

Date of Birth: September, 20, 1984, Sohag, Egypt.

Gender: Male

Martial status: Single

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# EDUCATION

Sep 2005 – June 2010 Assiut University, Faculty of Engineering

***Bachelor of Electrical Engineering “Power and Machine” section***

Grade: Excellent with Honor 85.85%

Rank: 2nd

Project: "***Applications of plc"***

Project Grade: Excellent

# WORK EXPERIENCE

March 2012 \_ now **Faculty of Engineering Assiut University**

Position: Teaching Assistant

Responsibilities:

• M.Sc. Researcher in the field of Power system (Renewable energy)

• Provides a demonstration for students in the following subjects.

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| Electric Circuit Theory (1) Electric Circuit Theory (2)  Power Electronic Circuits Electric Machines  Power System Analysis Power Systems Voltage Stability  Power Systems Power Quality Power System Control |
| • Participates in Final year graduations projects.  Improvement of Egyptian Electric Network |

# RESEARCH INTERESTS

* Renewable Energy.
* The Energy management of energy storage systems for microgrid and electrical vehicle applications
* Electrical Power Industrial Application.
* Wind energy conversion systems.
* Control System Using PIC and DSP Controller.
* Utility interactive power conditioner for renewable energy sources.
* Stand-alone and grid connected PV systems.
* Anti-islanding algorithms for grid-connected solar photovoltaic systems.
* Soft switching DC-DC power converter topologies.
* High frequency inverters and power factor correction.
* Protection and control of microgrid and smart grid.

# PUBLICATIONS

# LANGUAGES

**ENGLISH LANGUAGE PROFECIENCY TEST (ELPT) SCORE REPORT 94%**

**Listening Comprehension: 24**

**Reading Comprehension : 25**

**Grammar and structures : 25**

**Writing: 20**

**Total: 94**

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**Communication and Presentations Skills**

International conferences Speaking

I have presented my papers in the following international conferences

* IEEE Middle East Power System Conference (MEPCON’2009), Assiut, Egypt.
* IEEE Middle East Power System Conference (MEPCON’2014), Cairo, Egypt.

# TECHNICAL SKILLS

* Matlab & Simulink
* PSCAD Simulation
* PSIM
* Microsoft Office
* FORTRAN 95
* C++

# SOFT SKILLS

Attended the following Workshops in Assiut University Faculty and Leadership Development Project (FLDP)

* Communication Skills
* Effective Thinking
* Effective Teaching
* Effective Presentation
* Science Publication