

Curriculum Vitae

Mohamed Samy Abdel Moneim



Contact Information

Address	34 Ibrahim El-Desoky st., Al-Warraq , Giza ,Egypt
Mobile Tel	+2 0127 2260 336
E-mail	Mohamed.samy@cu.edu.eg Mohamed_flight@windowslive.com

Personal Data

Date of Birth : **26 May 1989**
Place of Birth : **Giza, Egypt**
Nationality : **Egyptian**
Marital Status : **Single**

Employment History

- **Research and Teaching Assistant July 2011 - Till now**
Aerospace Engineering Department, Faculty of Engineering, Cairo University, Giza, Egypt
Major Field : Flight Mechanics and Automatic Control

Education

- **M. Sc. Preparatory Year July 2012**
Aerospace Engineering Department, Faculty of Engineering, Cairo University, Giza, Egypt
In field of “Flight Mechanics and Automatic Control”
Grade : Distinction (3.7 GPA)
- **B. Sc. May 2011**
Aerospace Engineering Department, Faculty of Engineering, Cairo University, Giza, Egypt
Grade : Distinction with degree of honor with percentage of 88.44 %
Accumulative Rank: 1st

Graduation project: “Flying Wing Aircraft Autopilot Design and Implementation “
Project Grade: Distinction

- **The secondary school – July 2006**
Al-Warraq secondary school, Giza, Egypt with **percentage of 96 %**

Aerospace Department Main Courses:

- System Dynamics, Automatic Control, Flight Mechanics, Instrumentations, Digital Control and Autopilot Design (7courses).
- Thermodynamics, Combustion and Heat Transfer, Internal Combustion Engines, Turbo Machinery, Airplane Engines, Engines Maintenance and Rocket Propulsion (7 courses).
- Aircraft Structural Analysis, Structural Mechanics and Finite Element Method (9 courses).
- Fluid Mechanics, Gas Dynamics, Aerodynamics, Boundary Layer, Aircraft Performance and Computational Fluid Dynamics(9courses)

Aerospace Department Additional Courses:

- Mathematics (8 courses).
- Mechanics (4 courses).
- Physics (4 courses).
- Engineering drawing (3 courses).
- Production Technology (3 courses).
- Machine Design.
- Probability and Statistics.
- Material Science.
- Analog & Digital Electronics.
- Electric Circuits.
- Computer Applications.
- Aviation Legislations.
- Project Management.

M. Sc. Preparatory Courses:

- Applied Industrial Control
- Special topics in control
- Helicopter flight dynamics
- Experimental methods in aerospace
- Aero elasticity
- Computational Fluid Dynamics
- Advanced numerical analysis
- Partial differential equations
- Technical language

Training Experiences

- **Aug. 2008** Airplane Factory of the Arab Organization for industrialization, Cairo, Egypt
- **July 2009** Engines Factory of the Arab Organization for industrialization, Cairo, Egypt
- **Aug. 2009** Egypt Air maintenance &Engineering company, Cairo, Egypt
- **July 2010** Petroleum Air Services company, Cairo, Egypt

Honors and Award

Certificates of Honor for each of the four years distinction grade in Aerospace Department, Faculty of Engineering, Cairo University.

Memberships

Member of the Egyptian Engineering Syndicate

Computer and Technical skills

- Very Good command of Microsoft Windows operating systems
 - Very Good command of Microsoft Office applications (Word, Excel, power point).
 - Very Good command of Femap NASTRAN software (Structural Analysis).
 - Very Good command of MatLab® software (Programming Language).
 - Very Good command of MatLab Simulink®
 - Good command of Mikro C ® software (Microcontroller programming).
 - Good command of Proteus ® software (Electronic Circuit Design and Simulation).
 - Good command of AutoCAD® software
 - Very Good use of Internet and e-mail
-

Language

- Arabic: Mother tongue.
 - English: Very Good command of both spoken and written English.
 - French: Basic knowledge.
-

Special Skills

- Excellent communication and interpersonal skills.
 - Ability to work in Team.
 - Ability to work under pressure.
 - Excellent organizational & planning skills.
 - Creative designing skills.
 - Capable of delivering the information smoothly.
 - Good Time Management skills
-

References

Prof. Dr Gamal El-Bayoumi

Aerospace Engineering Department, Cairo University, Giza, Egypt

Prof. Dr Ali Abdel fattah Hashim

Aerospace Engineering Department, Cairo University, Giza, Egypt

Associate Prof. Dr Mohammed Said Bayoumi

Aerospace Engineering Department, Cairo University, Giza, Egypt
