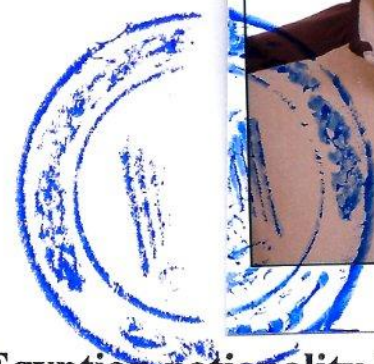


HELWAN UNIVERSITY
FACULTY OF ENGINEERING
HELWAN

CERTIFICATE



This is to certify that Mr. MARK FIKRY FARAG MICHAEL BOULES. of Egyptian nationality has been graduated from the faculty Of Engineering in May 2009 and has been granted the Degree of Bachelor of Engineering in (Electronics & Communications & Computer Engineering Dept./ Electronics and Electrical Communications Engineering Section) with a total marks of (4513) in percentage of (60.17) and a general Engineering grade of (PASS) and the project grade was (Excellent). The following are the subjects and number of hours per week he has studied and the grades he has obtained through his study at the faculty.

	First Term					Second Term				
	Subject	Lec.	Exe.	Lab/ Oral	Grade	Subject	Lec.	Exe.	Lab/ Oral	Grade
Preparatory Year 2002	Mathematics (1) A	4	2	-	*	English Language	2	-	-	Pass
	Mechanics (1) A	2	1	1	*	Mathematics (1) B	4	2	-	Pass
	Physics (1) A	4	1	1	*	Mechanics (1) B	2	1	1	Pass
	Engineering Drawing and Projection	2	4	-	*	Physics (1) B	4	1	1	Pass
	Computer	2	-	2	Pass	Engineering Drawing and Projection	2	4	-	Excellent
	Chemistry	2	-	2	Pass	Production Technology	2	-	4	//Good
	Descriptive Geometry	2	2	-	Excellent	Humanities	2	-	-	Excellent
						General Grade				
First Year 2004	Mathematics (2)	3	1	-	*	Mathematics (2)	3	1	-	Pass
	Physics(2)	3	1	-	*	Physics(2)	3	1	-	Pass
	Electronics (1)	4	2	2	Pass	Electronics (2)	4	2	2	Pass
	Workshop Electronic Technology	2	-	4	//Good	Electrical Circuit (2)	4	2	-	Pass
	Electrical Circuits (1)	4	2	-	Pass	Programming Languages	2	-	4	Pass
	Technical Reports Writing	2	-	-	Pass	Environmental Effect of Projects	2	-	-	Pass
						General Grade				Pass
Second Year 2006	Mathematics (3)	3	1	-	*	Mathematics (3)	3	1	-	Pass
	Electronic Measurements	2	1	1	*	Electronic Measurements	2	1	1	Pass
	Electromagnetic Waves	4	2	-	Pass	Signals Analysis	4	2	-	Pass
	Electrical Machine	2	2	2	Pass	Communication Systems	4	1	1	Pass
	Electronics (3)	4	2	2	Pass	Logic Circuits	4	1	1	Pass
	Engineering Economy	2	-	-	Pass	Integrated Circuits	2	2	-	Pass
	Workshop Training & Lab.	-	-	-	Sus	General Grade				
Third Year 2008	Microprocessors	2	1	1	*	Microprocessors	2	1	1	Pass
	Digital Communications	4	2	2	Pass	Project Management	2	-	-	Pass
	Medical Electronics	4	2	-	Pass	Telephone Engineering	4	2	2	Pass
	Computer Aided Design	2	-	4	//Good	Power Electronics	3	1	-	Pass
	Elective (1)**	4	2	-	Pass	Electro magnetic Waves	4	2	-	Pass
	Summer Training	-	-	-	Sus	Elective (2)**	4	2	-	Pass
Fourth Year 2009	Informat. Theory & Coding	4	2	-	Pass	Computer Interfacing	2	1	1	Excellent
	Project	-	4	-	*	Project	-	4	-	Excellent
	Linear Systems &Control	3	1	-	*	Linear Systems &Control	3	1	-	Pass
	Computer Architecture.	3	1	-	Excellent	Information Networks	4	-	2	Pass
	Data Structure	4	-	2	Pass	Digital Signal Processing	4	2	-	Pass
	Elective (3)**	4	2	-	Pass	Elective (4)**	4	2	-	Pass
						General Grade				Pass
						TOTAL Marks In Percentage				972 64.08%

All courses are studied in English

* The subject is continuous and the grade is offered in the 2nd term

** The course was an elective course

Students Affairs

Mona Saeed
F. Al

General Controller

[Signature]

DEAN

Prof/

Mohamed Raly
[Signature]