

The Faculty of Computers and Information Attests that:  
Mohamed Abdel Mahmoud Ali Hamed

has been awarded the Bachelor of Science in Computers and Information

specialized in: Computer Science in May semester 2011 Year:  
Degree: Very good with honor (With total) 144 (credit hours)

And the following are his/her grades of the subjects studied in the four years:

Code	Course Name	Hours	Total	Grade
72 hour (63 compulsory hours + 9 elective hours)				
Compulsory Subjects 63 hours				
HU 125	Fundamentals of Management	3	90	A+
ST 121	Probability and Statistics - I	3	77	B
IT 111	Electronics - I	3	82	C
IT 221	Data Communication	3	82	A
IT 222	Computer Networks - I	3	78	B
IT 223	Internet Technology	3	82	A
CS 111	Introduction to Computers	3	79	B
CS 112	Programming - I	3	79	B
CS 213	Programming - 2	3	87	A
CS 214	Data Structures	3	98	A+
CS 221	Logic Design	3	89	D+
CS 241	Operating Systems - I	3	83	B+
CS 251	Software Engineering - I	3	94	A+
CS 318	Algorithms	3	77	B
MA 111	Mathematics - I	3	78	B
MA 112	Discrete Mathematics	3	97	A+
MA 113	Mathematics - 2	3	70	C+
PH 111	Physics	3	71	C+
IS 231	Database Systems I	3	73	B
IS 240	Fundamentals of Information Systems	3	79	B
IS 240	Operations Research	3	77	B
Electives Subjects 9 hours				
MA 214	Mathematics - 3	3	80	B+
IS 321	Analysis and Design of Information Systems - I	3	70	C+
IS 321	Project Management	3	90	A+
Sub-24 hour				
Compulsory Subjects 24 hours				
IS 433	Database Systems 2	3	85	B+
IS 312	Database Systems 1	3	77	B
IS 313	Data Backup & Recovery	3	72	C+
IS 321	Analysis and Design of Information Systems - 1	3	70	C+
IS 342	Internet Applications	3	90	A+
IS 352	Analysis and Design of Information Systems - 2	3	83	B+
IS 432	Information Centers Management	3	99	A+
IS 451	Decision Support Systems	3	78	B

Code	Course Name	Hours	Total	Grade
12 hour (6 compulsory hours + 6 elective hours)				
Compulsory Subjects 6 hours				
HU 111	English-1	2	88	B+
HU 112	English-2	2	91	A+
HU 313	Human Rights	2	82	A
Electives Subjects 6 hours				
HU 121	Fundamentals of Economics	3	72	C+
HU 324	Professional Ethics	3	72	B
45 hour (30 compulsory hour + 15 elective hour)				
Compulsory Subjects 30 hours				
IT 331	Computer Graphics - I	3	82	B+
IT 433	Multimedia	3	82	B+
CS 317	Concepts of Programming Languages	3	73	C+
CS 322	Computer Organization	3	82	D+
CS 342	Operating Systems - 2	3	73	C+
CS 352	Software Engineering - 2	3	70	C+
CS 361	Artificial Intelligence	3	81	B+
CS 419	Compilers	3	87	A
CS 488	Project	6	94	A+
Electives Subjects 15 hours				
IT 441	Image Processing	3	84	B
CS 392	Selected Topics in Computer Science - I	3	89	A
CS 471	Parallel Processing	3	89	A
CS 492	Selected Topics in Computer Science - 2	3	89	A
IS 312	Database Systems 1	3	77	B
IS 342	Internet Applications	3	90	A+

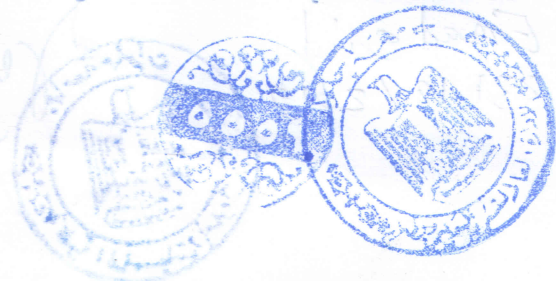
وزارة خارجية جمهورية مصر العربية  
مكتب القنصلية العامة لجمهورية مصر العربية في القاهرة  
القاهرة - مصر  
2011/05/14  
دون ادنى مسؤولية القنصلية العامة والوزارة عن الوثيقة  
الرسالة المرفقة / ع / المشنون القبول للتسجيل بالجامعة  
جلبه

This Certificate has been given to him/her at his/her request to be presented to whom it may concern without responsibility on part of Faculty with regard to third parties rights.

Acting As Dean

General Secretary

Graduation Affairs



جامعة حلوان  
الإدارة العامة لشئون التعليم والطلاب  
بمكتبه على مستوى كلياتها  
والإدارة العامة لشئون التعليم والطلاب  
المدير العام  
2011/05/14