



Helwan University
 Arab Republic of Egypt
 Faculty of Computers and
 Information



Certificate

The Faculty of Computers and Information Attests that:

Mohamed Adel Mahmoud Ali Hamed

has been awarded the Bachelor of Science in computers and Information,
 specialized in: Computer Science (144 Credit Hours)

In May 2011

The Grade Point Average (GPA) is (3.27)

Rank: Very good with honor

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.

Graduation Affairs

Mohamed Salah

23/12/2019

Head of Dept.

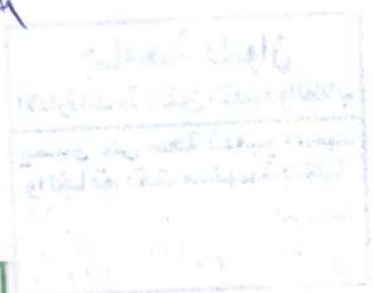
E-MAN

General Secretary

Emad Said
 23/12/2019

Acting As Dean

[Signature]
 24/12/2019
 Prof./ Osama Ertam

Certificate

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وزارة خارجية جمهورية مصر العربية
133731
2011
محمد حجاجي

Acting As Dean

General Secretary

Head of Dept

Graduation Affairs



جامعة حلوان
الإدارة العامة لشئون التعليم والطلاب
يصدق على صحة توقيع العميد
واللائحة تم تحت مسؤولية الكلية
المدير العام
2011/05/01



Helwan University
Arab Republic of Egypt
Faculty of Computers and Information

Student Transcript



The Faculty of Computers and Information Attests that:

Mohamed Adel Mahmoud Ali Hamed

GPA	Grade
3.27	Very good with honor

has been awarded the Bachelor of Science in Computers and Information,

specialized in: **Computer Science** In **May** semester Year: **2011**

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:

General Requirements

12 hour (6 compulsory hours + 6 elective hours)

Code	Course Name	Hours	Total	Grade
Compulsory Subjects 6 hours				
HU 111	English-1	2	80	B+
HU 112	English-2	2	91	A+
HU 313	Human Rights	2	85	A

Code	Course Name	Hours	Total	Grade
Electives Subjects 6 hours				
HU 121	Fundamentals of Economics	3	72	C+
HU 334	Professional Ethics	3	75	B

Main Specialization Requirements

45 hour (30 compulsory hour + 15 elective hour)

Code	Course Name	Hours	Total	Grade
Compulsory Subjects 30 hours				
IT 331	Computer Graphics - 1	3	82	B+
IT 433	Multimedia	3	82	B+
CS 317	Concepts of Programming Languages	3	73	C+
CS 322	Computer Organization	3	62	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 498	Project	6	94	A+

Code	Course Name	Hours	Total	Grade
Electives Subjects 15 hours				
IT 441	Image Processing - 1	3	64	D+
CS 395	Selected Topics in Computer Science - 1	3	84	B+
CS 471	Parallel Processing	3	88	A
CS 495	Selected Topics In Computer Science - 3	3	91	A+
IS 312	Database Systems 2	3	77	B
IS 345	Internet Applications	3	90	A+

Faculty Requirements

72 hour (63 compulsory hours + 9 elective hours)

Code	Course Name	Hours	Total	Grade
Compulsory Subjects 63 hours				
HU 122	Fundamentals of Management	3	90	A+
ST 121	Probability and Statistics - 1	3	77	B
IT 111	Electronics - 1	3	65	C
IT 221	Data Communication	3	85	A
IT 222	Computer Networks - 1	3	76	B
IT 223	Internet Technology	3	85	A
CS 111	Introduction to Computers	3	79	B
CS 112	Programming - 1	3	79	B
CS 213	Programming - 2	3	87	A
CS 214	Data Structures	3	96	A+
CS 221	Logic Design	3	63	D+
CS 241	Operating Systems - 1	3	83	B+
CS 251	Software Engineering - 1	3	94	A+
CS 316	Algorithms	3	77	B
MA 111	Mathematics - 1	3	76	B
MA 112	Discrete Mathematics	3	92	A+
MA 113	Mathematics - 2	3	70	C+
PH 111	Physics	3	71	C+
IS 211	Database Systems 1	3	75	B
IS 231	Fundamentals of Information Systems	3	79	B
IS 240	Operations Research	3	77	B

Code	Course Name	Hours	Total	Grade
Electives Subjects 9 hours				
MA 214	Mathematics - 3	3	80	B+
IS 351	Analysis and Design of Information Systems-1	3	70	C+
IS 321	Project Management	3	90	A+

Sub-Specialization Requirements

Code	Course Name	Hours	Total	Grade
15 hour				
IT 433	Multimedia	3	82	B+
IS 312	Database Systems 2	3	77	B
IS 313	Data Storage and Retrieval	3	72	C+
IS 351	Analysis and Design of Information Systems-1	3	70	C+
IS 345	Internet Applications	3	90	A+
IS 352	Analysis and Design of Information Systems-2	3	83	B+
IS 435	Information Centers Management	3	99	A+
IS 451	Decision Support Systems	3	76	B

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.

Graduation Affairs

Mohamed Adel

Head of Dept.

EMAN

General Secretary

Emad said

231 12 / 2019

Acting As Dean

[Signature]

259

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 higher grades of the subjects studied in the four years:

Faculty Requirements				
Code	Course Name	Hours	Total	Grade
15 hour (63 compulsory hours + 9 elective hours)				
HU 122	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	87	A
IT 222	Computer Networks - I	3	75	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 - II	3	81	A
CS 214	Data Structures	3	88	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	76	B
MA 112	Discrete Mathematics	3	97	A+
MA 113	Mathematics - II	3	70	C+
PH 111	Physics	3	71	C+
IS 211	Database Systems - I	3	73	B
IS 212	Fundamentals of Information Systems	3	79	B
IS 240	Operations Research	3	77	B
12 hour (6 compulsory hours + 6 elective hours)				
Code <th>Course Name</th> <th>Hours</th> <th>Total</th> <th>Grade</th>	Course Name	Hours	Total	Grade
HU 111	English - I	2	88	B+
HU 112	English - II	2	87	A+
HU 313	Human Rights	2	82	A
15 hour (30 compulsory hour + 15 elective hour)				
Code <th>Course Name</th> <th>Hours</th> <th>Total</th> <th>Grade</th>	Course Name	Hours	Total	Grade
IT 331	Computer Graphics - I	3	82	B+
IT 433	Multimedia	3	82	B+
CS 317	Concepts of Programming Languages	3	73	C+
CS 323	Computer Organization	3	82	D+
CS 342	Operating Systems - II	3	73	C+
CS 352	Software Engineering - II	3	70	C+
CS 361	Artificial Intelligence	3	81	B+
CS 419	Computers	3	87	A
CS 488	Project	6	94	A+
12 hour (6 compulsory hours + 6 elective hours)				
Code <th>Course Name</th> <th>Hours</th> <th>Total</th> <th>Grade</th>	Course Name	Hours	Total	Grade
IT 441	Image Processing	3	84	B+
CS 392	Selected Topics in Computer Science - I	3	80	C+
CS 471	Parallel Processing	3	80	A+
CS 482	Selected Topics in Computer Science - II	3	80	A+
IS 312	Database Systems - II	3	82	B+
IS 342	Internet Applications	3	72	C+
IS 313	Data Mining	3	70	C+
IS 321	Analysis and Design of Information Systems - I	3	70	C+
IS 345	Internet Applications	3	90	A+
IS 352	Analysis and Design of Information Systems - II	3	83	B+
IS 432	Information Centers Management	3	99	A+
IS 451	Decision Support Systems	3	78	B

General Requirements				
Code	Course Name	Hours	Total	Grade
12 hour (6 compulsory hours + 6 elective hours)				
HU 111	English - I	2	88	B+
HU 112	English - II	2	87	A+
HU 313	Human Rights	2	82	A
15 hour (30 compulsory hour + 15 elective hour)				
Code <th>Course Name</th> <th>Hours</th> <th>Total</th> <th>Grade</th>	Course Name	Hours	Total	Grade
IT 331	Computer Graphics - I	3	82	B+
IT 433	Multimedia	3	82	B+
CS 317	Concepts of Programming Languages	3	73	C+
CS 323	Computer Organization	3	82	D+
CS 342	Operating Systems - II	3	73	C+
CS 352	Software Engineering - II	3	70	C+
CS 361	Artificial Intelligence	3	81	B+
CS 419	Computers	3	87	A
CS 488	Project	6	94	A+
12 hour (6 compulsory hours + 6 elective hours)				
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CS 471	Parallel Processing	3	80	A+
CS 482	Selected Topics in Computer Science - II	3	80	A+
IS 312	Database Systems - II	3	82	B+
IS 342	Internet Applications	3	72	C+
IS 313	Data Mining	3	70	C+
IS 321	Analysis and Design of Information Systems - I	3	70	C+
IS 345	Internet Applications	3	90	A+
IS 352	Analysis and Design of Information Systems - II	3	83	B+
IS 432	Information Centers Management	3	99	A+
IS 451	Decision Support Systems	3	78	B

وزارة خارجية جمهورية مصر العربية
مكتب القنصلية العامة في القاهرة
القاهرة
2011/05/14
م
دون ادنى مسئولية عن صحة المعلومات الواردة في هذا transcript
الرئيس القنصل
حليم

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 لتنظيم الطلاب
بمكتبه على كفة كفتي السيد
والها تم تحت مسئولية الكلية
المدير العام
2011/05/14
م
حليم

GPA	3.27
Grade	Very good with honor



Master's Certificate

This is to certify that the student: Mohamed Adel Mahmoud was awarded the Master's degree in Computer Science from Faculty of Computer and Information, Cairo University on 11/10/2016.

He had completed his scientific thesis and successfully passed the Pre-master's courses. English is the language of instruction and the courses are:

NO	Subject	Rating	Degree
1	Formal Method and Theory of Computation	Very Good	84
2	Advanced Mathematics and Algorithms	Good	79
3	Advanced Topics in Computer Systems	Excellent	100
4	Research Methods and Skills	Very Good	85
5	Advanced Topics in Computer Science 1	Good	73
6	Computational Biology	Good	79

Employee in Charge

Sayed
22/11/2018

Registrar

Magda

Faculty Dean

Imane Saroit



Prof. Imane Aly Saroit

22/11/2018

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Certificate of Enrollment

This is to certify that the student: **Mohamed Adel Mahmoud Ali Hamed**
Passport No.: **A24389376** is enrolled in the pre-master's Program at Computer
Science Department since 11/10/2016.

The pre-master's program is three semesters with the following courses.

Code	Subject	Degree	Rating
CS611	Formal Methods and Theory of Computation	84/100	B
CS612	Advanced Mathematics and Algorithms	79/100	C+
CS616	Advanced Topics in Computer Systems	100/100	A+
CS614	Computational Biology	79/100	C+
CS619	Research Methods and Skills	85/100	B+
CS623	Advanced Topics in Computer Science1	73/100	C

He has registered the thesis on 14/5/2019 and he is still enrolled till the academic year 2019/2020.

Employee in Charge

Gawaher



Revised by

Sayed
25/12/2019

Post Graduate Director

Magda



Dean

Imane Saroit

Prof. Dr. Imane Aly Saroit Ismail

Approved by

Amr Samir
26/12/2019





وزارة خارجية جمهورية مصر العربية
مكتب التصليقات والخدمات القنصلية للمواطنين
رقم التصليق ١٤٢٤٢٩
١٩١٩
تعتبر على صحة التصليق
شؤون القنصلية
الرقم المسجل
ج.ب.هـ

