



University
October University for
Modern Sciences and Arts
Established by Dr. Nawal El Degwi in 1996

FACULTY OF COMPUTER SCIENCE



ACHIEVEMENT BOOK 2017/2018



MSAUniversity.News



MSAUni_Official



+MsauniversityInfo

CONTENTS

01 DEAN'S WORD

02 EXTERNAL EXAMINER'S

TESTIMONIALS

03 FACULTY PARTNERSHIPS

04 RESEARCH PUBLICATIONS

05 ACADEMIC EVENTS

ORGANIZED BY THE FACULTY

06 GUEST LECTURES

07 ACADEMIC SEMINARS

08 INTERNATIONAL COURSES

**FACULTY OF COMPUTER
SCIENCE**

01

DEAN'S WORD

DEAN'S WORD

I'm so impressed by the ideas behind the graduation projects of this year 2016. The results - achieved during a long year of work, reflects the skills and innovation capability of our senior students. I believe that someday the majority of our new graduates could become great nouns in the Information Technology era worldwide.

I cross my fingers to all of you - our CS graduates; wishing you all a very brilliant future

I want to address a word to our CS candidates; you are one leg apart from starting your dream future. Let nothing distract you from deeply joining our Computer Science family. In the Faculty of Computer Science, instructors and students enjoy the friendly, productive, and cooperative atmosphere of work with a family spirit.

We are there to help you build your dream career in IT, no matter how much effort it requires.

Prof. Dr. Ali El-Bastawissy

Dean, Faculty of Computer Science



Prof. Dr. Ali El-Bastawissy

Dean, Faculty of
Computer Science

02 EXTERNAL EXAMINER'S TESTEMONIAL

Prof. John Mellor

Higher Education Lecturer in Business at
Leeds City College



The Faculty of CS at MSA University and Programme Team communicated effectively with me throughout the year, and I saw evidence of internal moderation in the assessment process and confirm it was used effectively and consistently.

I had the opportunity to see presentations by the 'final year students. The project work was well executed, well presented, and the documentation showed a marked improvement with good examples of background research that was well referenced. The students follow a traditional computing curriculum that retains some key fundamentals of programming that have been lost from some UK courses. This enabled them to tackle quite advanced computing projects where at least one was of publishable quality.

There has been continuous improvement in the procedures resulting in better recording of the assessment process, clearer evidence of moderation and second marking and provision of statistics.

02 FACULTY PARTNERS

- **Oracle Academy Institution membership**



Students are able to increase their productivity by using Oracle's Accreditation Program - a new framework to accelerate your knowledge of Oracle products and Support framework.

- **EMC Academic Alliance Professors trainings – MSA**



EMC sponsors and conducts training courses in top technology domains for students and staff, such as:

- Information Storage and Management (ISM)
- Cloud Infrastructure and Services (CIS)
- Some of our esteemed staff members were successfully engaged in the above courses.

- **Microsoft Virtual Academy**



Microsoft is committed to give our students the most robust online learning experience available. With S2B and MVA our students can confidently build the in demand skills for today's tech jobs and stand out from the crowd.

- **Juniper Networks Academic Alliance**



Juniper Networks has the objective to support MSA Faculty of Computer science in empowering students with network industry relevant skills and improved employment opportunities. Their first boot camp will be conducted at MSA premises in 24-26 September 2017

- **Sumerge Software Solutions**



By participating in Sumerge Summer Training Program our students will be able to kick start their career by learning and working first hand with the following state of the art technologies in a professional environment for customer in Egypt and abroad.

04 Research publication

Prof. Dr. Ali El Bastawissy

1- Record linkage approaches in big data: A state of art study RMA El-Ghafar, MH Gheith, AH El-Bastawissy, ES Nasr Computer Engineering Conference (ICENCO), 2017 13th International, 224-230

2- Detecting Honest Behavior for E-auction Bidders Using Intelligent Agent LM Mohammed, AH El Bastawissy, MMA Elatif, International Journal of Computer Science and Information Security 15 (3), 154- 2017

3- DIRA: A Framework Of Data Integration Using Data Quality RIA Monem, AH El-Bastawissy, MM El wakilar Xiv preprint arXiv:1604.03214 2017

ENG. shereen El Feky

1- Abou-El-Enien, Tarek HM, and Shereen Fathy El-Feky. "Compromise Solutions for Fuzzy Multi-Level Multiple Objective Decision Making Problems." American Journal of Computational and Applied Mathematics 8.1 (2018): 1-14

2.[http://www.ajbasweb.com/old/ajbas/2018/July/112-119\(18\).pdf](http://www.ajbasweb.com/old/ajbas/2018/July/112-119(18).pdf)

3.<http://article.sapub.org/10.5923.j.ajcam.20180801.01.html>

**05 ACADEMIC EVENTS
ORGANIZED BY THE
FACULTY**



UNIVERSITY
of
GREENWICH

ORACLE®

IMPROVE YOUR CAREER WITH ORACLE

If your wish is to build a rewarding career in technology and experience a better lifestyle, look no further than Oracle. (Why oracle?) Join the global team that's shaping the future and helping our customers add value by eliminating complexity and simplifying IT. (Oracle qualification and jobs). Training is linked to the labor market ... Therefore, specialized training courses on the most important information technology training is provided so that selected from the best information technology consultants with major Egyptian companies to be added to these courses of practical experience which is our trademark .they also, provide a different varieties of jobs and certifications (Junior and Senior).





Topics:

- 1- Build your career with oracle.
- 2- Oracle Workforce Development Program.
- 3- Oracle Qualification & Jobs.
- 4- Java Technology 5- Development overall.

Speakers:

- Eng. Amr Abdel Rahman - Executive Manager.
Eng. Osama Soliman - Oracle technical consultant.
Mr. HanyAbdullah - Oracle Training Consultant.
Mr. Mohammed Ezzat - Oracle Training Consultant

ENTREPRENEUR "SUIT UP YOUR FUTURE CAREER"

As a part of MSA UNIVERSITY vision to encourage entrepreneurial spirit and raise the awareness for the importance of self-development in Egyptian society, COMPUTER SCIENCE faculty organized an event entitled "ENTREPRENEUR, suit up your future".

The event was honored by the attendance of Prof. Khairi "president of MSA University" and Prof. Ali Bastawesy "Dean of CS Faculty". The event attracted a large number of students from many faculties as well.





The event lineup was:

Eng. Abdel Rahman Mohamed. "Business development manager"

Mr. Khaled Rikaby. "Marketing and self-capacities building coach"

Mr. Hossam Heikal. "Self-Development coach"

Speakers shared with the students their experiences in business development and how to start up their own ventures and how to overcome hardships in business and life.

This event is organized by Eng. Shereen El feky



UNIVERSITY
of
GREENWICH

JUNIPER NETWORKS ACADEMIC ALLIANCE BOOT CAMP

MSA University – Faculty of Computer Science hosted an international Juniper Boot Camp in the period 24-26 September 2017.

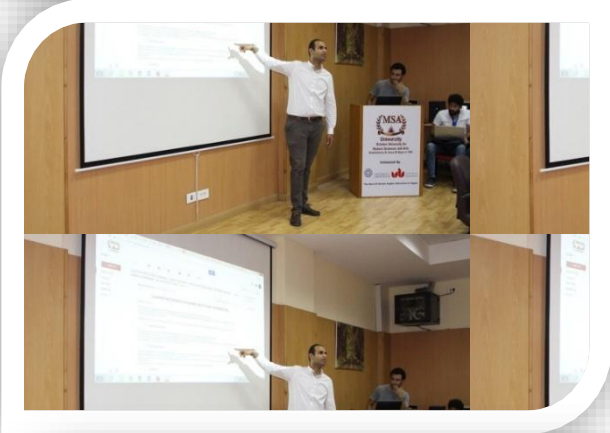
Juniper is a global company specialized in the field of computer networks and owns a big share in the Egyptian market. The event is an excellent opportunity for the Computer Science and engineering Students to get the latest knowledge in this field.

This Boot Camp is an international event that yearly visits tens of over world Universities to prepare senior students for an international certificate “Juniper JNCIA-JUNOS certification”.

Moreover, at MSA Boot camp, all participated students, staff, and IT specialists (100 participants) will receive a FREE voucher to attend the international exam of this certification.

The event includes the participation of many international companies, using Juniper Network products, to share their experience with our students and to connect them to the labor market.









UNIVERSITY
of
GREENWICH

JUNIPER
NETWORKS

CERTIFIED
ASSOCIATE

CERTIFICATE OF ACHIEVEMENT

This certifies that

Amr Attia Ewais

is recognized as a

Juniper Networks
Certified Associate

Junos (JNCIA-Junos)

Monday, July 02, 2018

Ramli Rahim
Chief Executive Officer

Pradeep Sindhu
Vice Chairman

Code: 7N83X3XS8NR41BWQ
Verify at <https://www.certmetrics.com/juniper/public/verification.aspx>



UNIVERSITY
of
GREENWICH

ENTREPRENEURSHIP

Graduated with a BSc in Computer Science from MSA University and with a passion for technology and entrepreneurship, he started his own business under the name of “Hammerhead Technology”. As an MSA graduate, and for the sake of mutual beneficial relationships, he wanted to show the available opportunities for collaboration between MSA University and Hammerhead Technology. He also wanted to introduce the current under graduate students to the latest trends in the market.



ENTREPRENEURSHIP BY MOHAMED HUSSAM



INITIATIVE ORACLE

If your wish is to build a rewarding career in technology and experience a better lifestyle, look no further than Oracle. (Why oracle?) Join the global team that's shaping the future and helping our customers add value by eliminating complexity and simplifying IT. (oracle qualification and jobs). Training is linked to the labor market ... Therefore, specialized training courses on the most important information technology training is provided so that selected from the best information technology consultants with major Egyptian companies to be added to these courses of practical experience which is our trademark .they also, provide a different varieties of jobs and certifications (Junior and Senior)





UNIVERSITY
of
GREENWICH

ACM COMPETITION

MSA participated on ECPC2017 and pass the qualification round join the other qualified teams on the competition and get on the 60 over 160 teams.



Certificate of Achievement



Awarded to,

Walid Awny

Coach

October University for Modern Sciences and Arts

Nineteenth Place

ECPC 2017 Qualifications Round



ACM ACPC

ARAB COLLEGIATE
PROGRAMMING CONTEST

November 3, 2017

William B. Poucher, Ph. D.
ICPC Executive Director



Ossama M. Ismail, Ph. D.
ACPC Regional Director

06 Guest Lecture



UNIVERSITY
of
GREENWICH

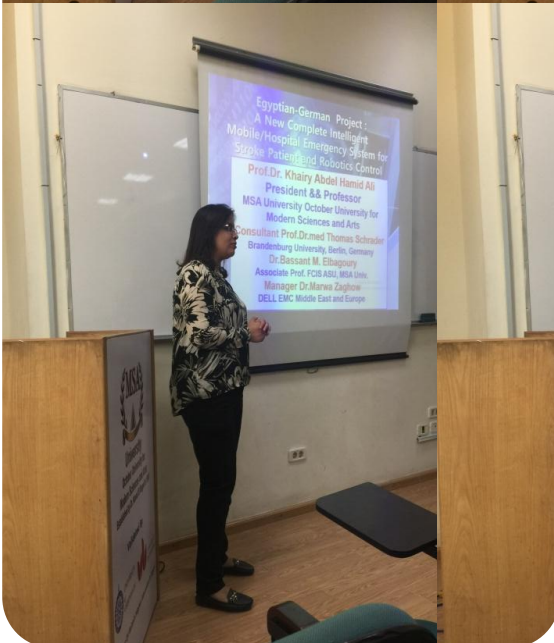
Network Guest Lecture



07 Academic Seminars

Internet Of Things (IOT)

The **Internet of Things (IoT)** is the network of physical devices, vehicles, home appliances, and other items embedded with electronics, software, sensors, actuators, and connectivity which enables these things to connect and exchange data, reating opportunities for more direct integration of the physical world into computer-based systems, resulting in efficiency improvements, economic benefits, and reduced human exertions.





UNIVERSITY
of
GREENWICH



Egyptian-German Project
A New Complete University
Multi-Hospital Emergency System for
2020 - 2025
President & Professor
MSA University October University for
Modern Sciences and Arts
Consultant Prof. Dr. med. Thomas Schaefer
Brandenburg University, Berlin, Germany
Dr. Mohamed M. Elmaghrabi
Associate Prof. ICSA, WHO
Manager Dr. Marwan Zoghbi
DELL EMC Middle East and Europe



Presented By: Dr. Basant

EMPLOYABILITY AND ENTREPRENEURIAL EDUCATION IN EGYPT

In a tough jobs market young people need to prove they have the professional skills to succeed. But we know the gap between education and the workplace is a wide one. Our Skills for Employability projects and partnerships are designed to improve young Egyptians' employability skills and develop the entrepreneurial talents that will bridge that gap.





Presented By: DR. Ehab Emam



UNIVERSITY
of
GREENWICH

Now We hacked ..What's Next What to do after you have been hacked ???



Now We hacked ..What's Next



Presented By: Eng. Ahmed Neil

08

International
Courses

International Courses

Our students have the opportunity to online attend international course with certificate for free in collaboration with NLA (Next Technology Leaders) organization.

CS Faculty supports students to build career technical skills for their next high-tech business opportunity. Benefit from these certificates to empower your advanced technology development skills that would empower your business to be a more competitive employee.

Our students and Graduates can register and access top online courses that cover modern ICT technology domains. The courses are offered by prestigious Universities in collaboration with industry leaders, and are available through top online learning platforms like Coursera, edX, and Udacity. This initiative offers you a grant to develop your technical skills through these learning tracks:

The Coursera logo is positioned vertically on the right side of the page. It consists of the word "Coursera" in a bold, blue, sans-serif font, rotated 90 degrees counter-clockwise.

Provider: Coursera

1. Agile Development Specialization
2. Big Data Specialization
3. Cybersecurity Specialization
4. Data Science Specialization
5. Data Structures And Algorithms Specialization
6. Entrepreneurship Specialization
7. Game Design And Development Specialization
8. Internet Of Things (IoT) Specialization
9. Graphic Design Specialization



Provider: Udacity

1. Agile Development Specialization
2. Android Basics Nanodegree
3. Front-End Web Developer Nanodegree
4. Full Stack Web Developer Nanodegree
5. VR Developer Nanodegree



Provider: edX

1. Embedded Systems
2. Data Analysis For Your Business XSeries
3. HTML5 From W3C XSeries
4. Agile Development Using Ruby On Rails XSeries

11/14 Amer St. off El Mesaha Sq.
Dokki. Gizah, Egypt.

Tel. : (+202) 3336-5037
Tel. : (+202) 3336-5038
Fax : (+202) 3760-3811

Email: Info@msa.eun.eg
admission@msa.eun.eg



26 July Mehwar Road intersection
with Wahat Road, 6th October
City. Egypt.

Tel. : 3837-1516
Tel. : 3837-1523
Fax : (+202) 3837-1543

www.msa.edu.eg
Hotline : 16672