FACULTY FULL NAME:

Nahla Ahmed EL_Haggar

POSITION: Assistant Professor (Information Technology (IT))

Personal Data

Nationality | Egyptian

Date of Birth | 15/09/1964   (September , 15, 1964)

Department | Computer_ Information Technology

Official UoD Email | naelhaggar@iau.edu.sa

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Language Proficiency

Language	Read	Write	Speak
Arabic	✔	✔	✔
English	✔	✔	✔
Others			

Academic Qualifications (Beginning with the most recent)

Date	Academic Degree	Place of Issue	Address
2006, April	**Ph.D.** degree in Scientific computing	Pure Mathematics Department, Faculty of Science	Cairo Univ., Egypt
1998	**M.Sc**. degree in Mathematics and computer Science	Pure Mathematics and Computer	Ain Shams Univ., Cairo , Egypt

		Science Department, Faculty of Science,	
1986	**B.Sc**. degree in Mathematics and computer Science	Pure Mathematics and Computer Science Department, Faculty of Science	Ain Shams Univ., Cairo , Egypt

PhD, Master or Fellowship Research Title: (Academic Honors or Distinctions)

PhD	**Wavelets and Image Processing**
Master	**On Data Dependency and Relational Data Base**
Fellowship	**specialist in computer science and mathematics**

Professional Record: (Beginning with the most recent)

Job Rank	Place and Address of Work		Date
Assistant Professor		Community College in Dammam IMAM ABDULRAHMAN BIN FAISAL University	2017-2018
Assistant Professor	Teaching for postgraduate students and supervision on their thesis	Center of Excellence in Military Production in the City of Peace	2009-2017
Assistant Professor		Faculty of Computers and Information Helwan University,Egypt-Cairo	2009-2017
Assistant Professor		National Research Institute of Astronomy and Geophysics (NRIAG) Helwan ,Egypt-Cairo	2006-2009
Assistant Researcher		National Research Institute of Astronomy and Geophysics (NRIAG) Helwan ,Egypt-Cairo	1998-2005
Researcher assistant		National Research Institute of Astronomy and Geophysics (NRIAG) Helwan ,Egypt-Cairo	1989-1997

Administrative Positions Held: (Beginning with the most recent)

Administrative Position	Office	Date

Scientific Achievements

Published Refereed Scientific Researches
(In Chronological Order Beginning with the Most Recent)

#	Name of Investigator(s)	Research Title	Publisher and Date of Publication
1	Zainab Almugbel, Dr.Nahla El_Haggar, Neda Bugshan	Automatic Structured Abstract for Research papers Supported by Tabular Format Using NLP	International Journal of Computer Applications Foundation of Computer Science (FCS), NY, USA (Accepted and will publish Jan 2019
2	Noha Hamdy, Amal Elsayed Aboutabl, Nahla ElHaggar, Mostafa-Sami M. Mostafa	Dynamic Task Scheduling Method in Cloud Computing Environment Using Optimized Neural Network	International Journal of Future Computer and Communication. IJFCC Vol.6(4): 143-147, Dec. 2017.
3	Noha Hamdy, Amal Elsayed Aboutabl, Nahla ElHaggar, Mostafa-Sami M. Mostafa	Resource Allocation Strategies in Cloud Computing: Overview	International Journal of Computer Applications Foundation of Computer Science (FCS), NY, USA 177(4):18-22. Nov.2017
4	Atef Zaki Ghalwash, Nahla El_Haggar, Dina Mohammed Saber	A watermark methodology for software copyright protection	International Journal of Computer Science & Communication IJCSC , Vol. 8 Issue 1, pp 30-38, Mar.2017
5	Samar Fathy, Nahla El-Haggar, Mohamed Haggag	A Hybrid Model for Emotion Detection from Text	International Journal of Information Retrieval Research (IJIRR) Vol. 7, Issue 1, PP.32-48, Jan. 2017
6	Mohamed Haggag, Samar Fathy, Nahla Elhaggar	Ontology-Based Textual Emotion Detection	(IJACSA) International Journal of Advanced Computer Science and Applications, Vol. 6, No. 9, 239-246, 2015
7	Milad Hanna, Nahla El-Haggar, Mostafa Sami	A Review of Scripting Techniques Used in Automated Software Testing	(IJACSA) International Journal of Advanced Computer Science and Applications, Vol. 5, No. 1, 2014
8	Nahla El_Haggar, Mahmoud M. Elkhouly, Samah S.	A New Technique for Relational Database Protection	International Journal of Computer Applications (0975 – 8887) Volume 88 – No.6, Feb. 2014

#	Name of Investigator(s)	Research Title	Journal
	Abu El Alla		
9	Milad Hanna, Nahla El-Haggar, Mostafa Sami	Reducing Testing Effort using Automation	International Journal of Computer Applications (0975 – 8887) Volume 81 – No.8,
10	Nahla El_Haggar, Mahmoud M. Elkhouly, Samah S. Abu El Alla	Blind Watermarking Technique for Relational Database	COMPUSOFT, An international journal of advanced computer technology, 2 (5), (Volume-II, Issue-V), May. 2013
11	Zahra Aborawi Aborawi, Atef Zaki Ghalwash, ,Nahla El_Haggar	Watermarking Geographical Data on Polygon Feature Using Random Table	Journal of Engineering Manufacture, Vol. 215, pp. 555-563, Sept.2013
12	M. A. Helal, Taha El-Arief, Abou Ella Hassanian and Nahla El-Haggar,	An Efficient Texture Segmentation Algorithm for Isolating Iris Pattern Based on Wavelet Theory	International journal of Pattern Recognition and Image Analysis, Vol. 14, No. 1, pp. 97–103, Jan.2004
13	M. A. Helal, Taha El-Arief, Abou Ella Hassanian and Nahla El-Haggar,	Human Iris Texture Segmentation Algorithm Based on Wavelet Theory	IEEE 7th Inter. Conf. on Intell. Eng. System, INES 2003, pp. 657-662, March 2003.
14	M. A. Helal, Taha El-Arief, Abou Ella Hassanian and Nahla El-Haggar,	An Efficient Algorithm for Human Iris Isolation	1th Inter. Conf. on Intell. Comp. and Info. System, ICICIS 2002, pp. 423-427, 2002

Refereed Scientific Research Papers Accepted for Publication

#	Name of Investigator(s)	Research Title	Journal	Acceptance Date
1	Zainab Almugbel, Dr.Nahla El_Haggar, Neda Bugshan	Automatic Structured Abstract for Research papers Supported by Tabular Format Using NLP	International Journal of Computer Applications Foundation of Computer Science (FCS), NY, USA (Accepted and will publish Jan 2019	Dec.2018

Scientific Research Papers Presented to Refereed Specialized Scientific Conferences

#	Name of Investigator(s)	Research Title	Conference and Publication Date
	M. A. Helal, Taha El-Arief, Abou Ella	An Efficient Texture Segmentation Algorithm for	International journal of

Hassanian and Nahla El-Haggar,	Isolating Iris Pattern Based on Wavelet Theory	Pattern Recognition and Image Analysis, Vol. 14, No. 1, pp. 97–103, Jan.2004
M. A. Helal, Taha El-Arief, Abou Ella Hassanian and Nahla El-Haggar,	Human Iris Texture Segmentation Algorithm Based on Wavelet Theory	IEEE 7th Inter. Conf. on Intell. Eng. System, INES 2003, pp. 657-662, March 2003.
M. A. Helal, Taha El-Arief, Abou Ella Hassanian and Nahla El-Haggar,	An Efficient Algorithm for Human Iris Isolation	1th Inter. Conf. on Intell. Comp. and Info. System, ICICIS 2002, pp. 423-427, 2002

Completed Research Projects

#	Name of Investigator(s) (Supported by)	Research Title	Report Date
1	Nahla El-Haggar and Prof. Angelo Tartaglia and relativity group of DIFI S Politecnico di Torino – Dipartimento di Fisica Torino Italy	developing algorithms for the use of time signals from freely falling clocks for global positioning and space navigation	2007
2	Nahla El-Haggar and research team in the Department of Computer Science (DIMI), University of Udine Italy	information security based on bio-inspired technique and face detection .	2009
3	Nahla El-Haggar ,M. A. Helal, Taha El-Arief, and Abou Ella Hassanian	development and implemented an automatic recognition system for iris biometric	2005

Current Researches

#	Research Title	Name of Investigator(s)
1	Automatic Structured Abstract for Research papers Supported by Tabular Format Using NLP	Zainab Almugbel, Dr.Nahla El_Haggar, Neda Bugshan
2	Classification of questions into cognitive and knowledge domains based on BT using fuzzy logic technique	Lobna Mohsen Amouri, Dr.Nahla El_Haggar, Karima Hamed Makhluf , Nada Zouhair Chaabane

3	IT Support for Health Care	Dr.Nahla El_Haggar

Contribution to Scientific Conferences and Symposia

#	Conference Title	Place and Date of the Conference	Extent of Contribution

Membership of Scientific and Professional Societies and Organizations

1. **Member of the Scientific Research Group in Egypt (SRGE)**
2. **Member of Oracle Academy:**
3. **Member of the International Computer Science and Engineering Society (ICSES)**

- ## Scientific published Book

Internet Technology
From Networks to Streaming Servers

LAP LAMBERT Academic Publishing (2017-03-16)

ISBN-13:
> 978-3-330-05623-7

ISBN-10:
> 3330056231

EAN:
> 9783330056237

Book language:
> English

Blurb/Shorttext:
> The Web is a collection of documents that are interconnected by hyper-links. These documents are accessed by web browsers and provided by web servers. In this book, we present Internet Technology from accessing browsers till streaming servers through different kinds of servers. This book can be used for undergraduate students in faculty of computers or engineering as a text book for Information technologies applied today.

Publishing house:
> LAP LAMBERT Academic Publishing

Website:
> https://www.lap-publishing.com/

By (author) :
> Mahmoud EL-Khouly, Nahla Elhagar

Number of pages:

Teaching Activities

Undergraduate

#	Course/Rotation Title	No./Code	Extent of Contribution (no. of lectures/Tutorials. Or labs, Clinics)
1	Information Security	Comp 211	15 (lectures) *3 for 5 semesters
2	Web based design	IT210	15 (lectures) *1+ 15*4 lab
3	Computer Networks		15 (lectures) *2 **from 2010 to 2018**
4	Operating system 1		15 (lectures) *3
	SSME -Service Science Management& Engineering (Supervised by IBM &ETEDA)		15 (lectures) *3
3	Image processing		15 (lectures) *3 3 **from 2009 to 2018**
4	Mobile Application (Android)		15 (lectures) *3 2014
5	Multimedia System		15 (lectures) *3 **from 2009 to 2018**
6	Human Rights		15 (lectures) *3
7	Data Communication		15 (lectures) *3 **from 2009 to 2018**
7	Internet technology		15 (lectures) *32 **from 2009 to 2018**
8	Introduction into computer		15 (lectures) *3 2 **from 2009 to**

	and information technology		**2017**
9	Graduation Project I	CS 340	15 (lectures) *3 2 **from 2009 to 2018**
10	Graduation Project II	CS 410	15 (lectures) *3 2 **from 2009 to 2018**

Brief Description of Undergraduate Courses Taught: (Course Title – Code: Description)

1- Information Security(Comp 211&Comp310) **Course Description**: This course provides basic information security concepts associated with protecting information assets, determining the levels of protection and response to security incidents, and designing a consistent, reasonable information security system, with appropriate intrusion detection Topics include common attacking techniques, common security policies, basic cryptographic tools, authentication, access control, software security, operating system security, and legal and ethical issues in information systems security and what the common threats
2- Web based design (IT210) **Course Description**: This course introduces students to basic web design using HTML (Hypertext Markup Language) and CSS (Cascading Style Sheets). Throughout the course students are introduced to planning and designing effective web pages; implementing web pages by writing HTML and CSS code; enhancing web pages with the use of page layout techniques, text formatting, graphics, images, and multimedia; and producing a functional, multi-page website using Adobe CS5 Dreamweaver. Also students are introduced to PHP, one of the world's most popular programming languages for web development. we will introduce mySQL, an open source and reliable database management system that is rapidly acquiring a world-wide user base.
3- Computer Networks (CS 120) **Course Description**: This course includes the following topics: Data communications, network architectures, communication protocols, data link control, medium access control; introduction to local area networks metropolitan area networks and wide area networks; introduction to Internet and TCP/IP, Open Systems Interconnection (OSI) communication model; error detection and recovery; local area networks; bridges, routers and gateways; network naming and addressing; and local and remote procedures.

Postgraduate

#	Course/Rotation Title	No./Code	Extent of Contribution (no. of lectures/Tutorials. Or labs,

#			
			Clinics)
1	information Technology		15 (lectures) *3 3 **from 2009 to 2018**
2	Search methods and tools		15 (lectures) *3
3	Image processing		15 (lectures) *3
4	Decision Support System (DSS)		15 (lectures) *3
5	Multimedia System		15 (lectures) *3 3 **from 2009 to 2018**

Brief Description of Postgraduate Courses Taught: (Course Title – Code: Description)

1	
2	

Course Coordination

#	Course Title and Code	Coordination	Co-coordination	Underg rad	Postgra d.	From	To
1	Information Security Comp 211, Comp310	✓		✓		2017	2019
2	Information Technology	✓		✓		2018	2019
3	Graduation Project I CS 340	✓		✓		2017	2018
4	Graduation Project II CS410	✓		✓		2017	2018

Guest/Invited Lectures for Undergraduate Students

#	Activity/Course Title and Code	Subject	College and University or Program	Date

Student Academic Supervision and Mentoring

#	Level	Number of Students		From	To

L6	22			2017	2018
L6	20			2017	2018

Supervision of Master and/or PhD Thesis

#	Degree Type	Title	Institution	Date
1	Master	Toward A Robust Watermarking Approach For Geo-spatial Data	Faculty of Computers and Information , Helwan University	2012:2014
2	Master	Software Copyright Protection	Faculty of Computers and Information , Helwan University	2014:2017
3	Master	An Enhanced Watermarking Methodology for Relational Database Protection	Faculty of Computers and Information , Helwan University	2013:2014
4	Master	Automating Software Testing Processes	Faculty of Computers and Information , Helwan University	2013:2014
5	Master	Ontology Based Emotion Detection	Faculty of Computers and Information , Helwan University	2013:2017
6	PhD	Service Performance Evaluation of Multi Level Resources in Cloud Computing.	Faculty of Computers and Information , Helwan University	2014:2018
7	Master	Improving the quality of service of the intrusion detection system in cloud computing	Faculty of Computers and Information , Helwan University	2015
	PhD	Supervising to the student Abeer Al-Sadhan for three months during the compilation of data for the doctoral thesis in the period 2/10/2017 until 2/1/2018		

Ongoing Research Supervision

#	Degree Type	Title	Institution	Date
1	Master	Improving the quality of service of the intrusion detection system in cloud computing	Faculty of Computers and Information , Helwan University	2015

Administrative Responsibilities, Committee and Community Service **(Beginning with the most recent)**

Administrative Responsibilities

#	From	To	Position	Organization

Committee Membership

#	From	To	Position	Committee	Organization
1	2017	2018	Chairman	Faculty Affairs Committee	Community College
2	2017	2018	Chairman	First criterion self-evaluation	Community College
3	2018	2018	Chairman	Graduation Projects Arbitration Committee	Community College
4	2018	2018	Chairman	Graduation project committee	Community College
5	2017	2018	Member	Scientific Council of the Computing Department	Community College
6	2017	2018	Member	Program Report Committee	Community College
7	2017	2018	Member	Scientific Committee	Community College
8	2017	2018	Member	tests evaluation committee	Community College

Scientific Consultations

#	From	To	Institute	Full-time or Part-time

Volunteer Work

#	From	To	Type of Volunteer	Organization

Personal Key Competencies and Skills: (Computer, Information technology, technical, etc.)

1	**Information Technology**
2	**Web based design (HTML, PHP, SQL, CSS)**
3	**Mobile Application Developer with Worklight Studio v6.2_Certificate IBM**
4	**Java & Python**

Last Update

...9..... / ...11.. /2018