FACULTY FULL NAME: Eman Abdulazeem Ahmed abdulazeem

POSITION: Assistant Professor

Personal Data

Nationality | Egyptian

Department | Computer / Mathematics

Official Email | eabdulazeem@iau.edu.sa

Office Phone No. | 37336

Language Proficiency

Language	Read	Write	Speak
Arabic	Excellent	Excellent	Excellent
English	Excellent	Excellent	Excellent
Others	---------	----------	-------------------

Academic Qualifications (Beginning with the most recent)

Date	Academic Degree	Place of Issue	Address
2014	**Ph.D** in Electrical Communication Engineering.	Egypt, Mansoura University , Faculty of Engineering, Department of Electronics and Electrical Communications Engineering.	Algorithms for information hidden in video broadcasting over data networks
2003	**M.Sc** in Electrical Communication Engineering.	Egypt, Mansoura University , Faculty of Engineering, Department of Electronics and Electrical Communications Engineering.	Automatic Analysis of Heart Rate Variability
1999	**B.Sc** in Electronics Engineering.	Egypt, Mansoura University , Faculty of Engineering, Department of Electronics and Electrical Communications Engineering.	**B.Sc** in Electronics Engineering.

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

PhD	Algorithms for information hidden in video broadcasting over data networks.
Master	Automatic Analysis of Heart Rate Variability.
Fellowship	---

Professional Record: (Beginning with the most recent)

Job Rank	Place and Address of Work	Date
Assistant Professor	Saudi Arabia, Imam Abdulrahman bin Faisal University, Faculty of Science for Girls in Dammam, Mathematics department.	From 16/9/2015 and till now
A lecturer	Saudi Arabia, Dammam University, Faculty of Science for Girls in Dammam, Computer department.	From 15/9/2004 and till 15/9/2015
A researcher Assistant.	Egypt, Mansoura University, Faculty of Engineering, Department of Electronics and Electrical Communications Engineering.	From 20/1/2000 to 30/6/2003

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	*Eman Abdulazeem Ahmed, Malek Alzaqebah, Sana Jawarneh, Jehad Saad Alqurni, Fahad A. Alghamdi, Hayat Alfagham, Lubna Mahmoud Abdel Jawad, Usama A. Badawi, Mutasem K. Alsmadi, Ibrahim Almarashdeh*	Comparison of specific segmentation methods used for copy move detection	International Journal of Electrical and Computer Engineering (IJECE), Vol. 13, No. 2, April 2023
2	Malek Alzaqebah, Sana Jawarneh, Rami Mustafa A Mohammad, Mutasem K Alsmadi, Ibrahim Al-Marashdeh, Eman AE Ahmed, Nashat Alrefai, Fahad A Alghamdi	Hybrid feature selection method based on particle swarm optimization and adaptive local search method	International Journal of Electrical and Computer Engineering, 2021.
3	Malek Alzaqebah, Nashat Alrefai, Eman AE Ahmed, Sana Jawarneh, Mutasem K Alsmadi	Neighborhood search methods with moth optimization algorithm as a wrapper method for feature selection problems.	International Journal of Electrical & Computer Engineering, 2020.
4	Eman A.E. Ahmed		

#	Name of Investigator(s)	Research Title	Journal
		Face Descry System in Exams Committees	IJRDO-Journal of Mathematics October,2017
5	Eman A.E. Ahmed, Hassan H. Soliman and Hossam E. Mostafa	Information Hiding in Video Files	Egypt, Mansoura Engineering Journal, September 2014.
6	Eman A.E. Ahmed, Hassan H. Soliman and Hossam E. Mostafa	A Novel Algorithm for Hiding Information in Video using Spatial Domain	Egyptian Computer Science Journal, Ain-Shams University, September 2014.
7	Eman A.E. Ahmed, Hassan H. Soliman and Hossam E. Mostafa	Information hiding in video files using frequency domain	International journal of Science and Research, June 2014.
8	Eman A.E. Ahmed, Hassan H. Soliman and Hossam E. Mostafa	Packets Recovery during Video Broadcasting Over Data Network	Egyptian Computer Science Journal, Ain-Shams University, May 2014.
9	Eman A.E. Ahmed, Hamdi Elmikati and Fatma Abou-Chadi	classification of heart rate variability signals	Al-Azhar Engineering 7th International Conference, April 2003.

Refereed Scientific Research Papers Accepted for Publication

#	Name of Investigator(s)	Research Title	Journal	Acceptance Date

Scientific Research Papers Presented to Refereed Specialized Scientific Conferences

#	Name of Investigator(s)	Research Title	Conference and Publication Date

Completed Research Projects

#	Name of Investigator(s) (Supported by)	Research Title	Report Date

Current Researches

#	Research Title	Name of Investigator(s)

Contribution to Scientific Conferences and Symposia

#	Conference Title	Place and Date of the Conference	Extent of Contribution
	Al-Azhar Engineering 7th International Conference	Egypt- Al-Azhar University- April 2003.	Participation in a paper "Classification of heart rate variability signals"

Membership of Scientific and Professional Societies and Organizations

- **Laboratories, Equipment, Security and Safety Management Committee (Computer Labs)**
- **Tables Committee**
- **Quality committee**

- **Equivalency Committee**

- **Academic Advising Committee**

- **E – Courses Committee**

Teaching Activities

Undergraduate

#	Course/Rotation Title	No./Code	Extent of Contribution (no. of lectures/Tutorials. Or labs, Clinics)
	Courses I taught from 20/1/2000 to 30/6/2003. In Egypt, Mansoura University, Faculty of Engineering, Department of Electronics and Electrical Communications Engineering		
1	Digital Signal Processing		Lab
2	Statistics		Lab
3	Measurements		Lab
4	Integrated circuits		Lab
5	Electronic Circuits		Lab
6	Electronic Foundations		Lab
7	Neural Network		Lab
8	Practical Labs		Lab
9	Computer Communication Networks		Lab
10	HTML		Lab
	Courses I Taught from 18/9/2004 till 15 /9/2015 In Saudi Arabia, Dammam University, Sciences Faculty for Girls in Dammam , Computer Department.		
1	Introduction to Computer		Lecture +Lab
2	Algorithms and data structures in C + +		Lecture +Lab
3	Organization of files		Lecture
4	Development of Internet applications (ASP.NET)		Lecture +Lab
5	Selected Topics(JavaScript)		Lecture +Lab

6	PowerPoint		Lecture +Lab
7	Programming in Java		Lecture +Lab
8	Image processing		Lab
9	Computer security		Lecture +Lab
10	Programming language c + +		Lecture +Lab
11	Computer maintenance and data protection		Lecture +Lab
12	Development of Internet applications (ASP)		Lecture +Lab
13	English Language for computer students		Lecture
14	Excel		Lecture +Lab
15	Arabization of Computers		Lecture + Lab
16	Internet and Communications		Lecture +Lab
17	Introduction to Computer and its applications		Lecture +Lab
18	The processor and Little Computer Technology		Lecture +Lab
19	Neural network		Lab
	Courses I Taught from 16/9/2015 till now **In Saudi Arabia, Imam Abdulrahman bin Faisal University, Sciences Faculty for Girls in Dammam, <mark>Mathematics Department</mark>.**		
1	Python Programming for science	COMP203	Lecture +Lab
2	Operations Research	MATH510	Lecture +Lab
3	Calculus I	MATH201	Lecture + Tutorials
4	Mathematics Research seminar		Lecture
5	Introduction to Computer		Lecture +Lab
6	Introduction to Programming (C++)	COMP209	Lecture +Lab
7	Computational Physics (Physics department)		Lecture +Lab
8	Computational Mathematics	MATH307	Lecture +Lab
9	Introduction to Programming with MATLAB (Physics Department)		Lecture +Lab
10	Introduction to data science	COMP210	Lecture +Lab
11	Python Programming for Science	COMP203	Lecture +Lab

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

Code and course description included in the study plan for each course according to the teaching year.

Postgraduate

#	Course/Rotation Title	No./Code	Extent of Contribution (no. of lectures/Tutorials. Or labs, Clinics)
1	Mathematical Software	MATH526	Lecture
2			

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

1	Mathematical Software-MATH526 This course provides the essential foundations for using specific software packages which are useful to mathematics students and enables them to effectively solve problems.
2	

Course Coordination

#	Course Title and Code	Coordination	Co-coordination	Undergrad.	Postgrad.	From	To

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
1	Undergraduate	12	15/9/2022	16/9/2023

Supervision of Master and/or PhD Thesis

#	Degree Type	Title	Institution	Date

Ongoing Research Supervision

#	Degree Type	Title	Institution	Date

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

Administrative Responsibilities

#	From	To	Position	Organization

Committee Membership

#	From	To	Position	Organization
1	2023/9/16	2024/9/15	1-Head of Laboratories, Equipment, Security and Safety Management Committee (Computer Labs) . 2- Tables committee(member) 3- Head of standard#5 (Facilities, equipment and Learning resources) in self-study committee. 4- Equivalency Committee(member) 5-Academic Advising Committee (member)	Imam Abdulrahman bin Faisal University – Faculty of Science -Mathematics Department.
2	2022/9/16	2023/9/15	1-Head of Laboratories, Equipment, Security and Safety Management Committee (Computer Labs) . 2- Tables committee(member)	Imam Abdulrahman bin Faisal University – Faculty of Science -Mathematics Department.

			3- Quality committee(member) 4- Equivalency Committee(member) 5-Academic Advising Committee (member)	
3	16/9/2019	15/9/2022	1-Head of Computer Labs Safety and Security Committee 2- Quality committee(member) 3- Equivalency Committee(member) 4-Academic Advising Committee (member)	Imam Abdulrahman bin Faisal University – Faculty of Science -Mathematics Department.
4	16/ 9 /2018	15/ 9 /2019	1. Quality committee (Vice President) 2. E-courses committee (Coordinator for Introduction to Programming with MATLAB course)	Imam Abdulrahman bin Faisal University – Faculty of Science - Mathematics Department.
5	16/ 9 /2017	15/ 9 /2018	1. Quality committee (Vice President) 2. E-courses committee (Coordinator for Computational Mathematics course)	Imam Abdulrahman bin Faisal University – Faculty of Science - Mathematics Department.
6	16/ 9 /2016	15 /9 /2017	Tables committee (Member) Quality committee (Member)	Imam Abdulrahman bin Faisal University – Faculty of Science - Mathematics Department.
7	16/ 9 /2015	15 /9 /2016	Quality committee (Vice President)	Imam Abdulrahman bin Faisal University – Faculty of Science - Mathematics Department.
8	15 / 9 /2004	15 /9 /2015	1. Monitoring committee (Member). 2. Guidance committee (Member) 3. Registration Committee (Member) 4. Environment Committee (Member)	Dammam University – Faculty of Science - Computer Department.

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	Proficiency in all courses related software (Java , C++, MATLAB, AMPL, Python, Visual Basic.net, Linux, SPSS)
2	Proficiency in Web Page Development Programs.
3	Excellent dealing with network and information security software
4	Excellent proficiency in dealing with Computer Hardware.
5	Proficiency to deal with Blackboard and E- courses management.

Last Update

19/ 2 /2024