



Fawzia Awad Elhassan Ali

Lecturer (Quality Manager of Computer Dep.)

Personal Data

Nationality | Sudanese

Date of Birth | 24-5-1969

Department | Computer Department

Official UoD Email | faelhassan@uod.edu.sa

Office Phone No. | 333863

Language Proficiency

Language	Read	Write	Speak
Arabic	Excellent	Excellent	Excellent
English	Excellent	Excellent	v. good
Others			French

Academic Qualifications (Beginning with the most recent)

Date	Academic Degree	Place of Issue	Address
April 8, 2002	M.Sc. in Computer Science	Faculty of Mathematical Science, University of Khartoum	Sudan, Khartoum
Jan 12, 1993	B.Sc. Honor of Statistical & Computer science 2nd class	School of Mathematical Science, University of Khartoum	Sudan, Khartoum

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

PhD	Learning Analytics Business Intelligence Framework for Higher Education Institutes (PhD student – Sudan University for Science and Technology)
Master	Computer Science
Fellowship	

Professional Record: (Beginning with the most recent)

Job Rank	Place and Address of Work	Date
Lecturer,	Qatif Community College University of Dammam-	Saudi Arabic Kingdom (since June 2012)



Lecturer	College of Arts –	University of Dammam	Saudi Arabic Kingdom	(2011 - 2012)
Lecturer	Alqurayat College for Girls –	University of Al-Jouf	Saudi Arabic Kingdom	(2003 - 2008)
Teacher Assistant	Faculty of Math. & Computer Science	University of Gezira	Sudan	(Jan. 95- Jan. 96)

Administrative Positions Held: (Beginning with the most recent)

Administrative Position	Office	Date
Computer Programmer	Farmer's Commercial Bank	Khartoum
Technical Manager	Diamond Company for Computer & Communication	Khartoum
Computer Programmer	Internet Unit – Information & communication Center	University of Khartoum

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

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
1	Fawzia Awad Elhassan	Business Intelligence Learning Analytics Frame work for Higher Institutes	2017
2	Fawzia Awad Elhassan	Joining biography and grading students' information's, Impact and Opportunity -case study	2017

Current Researches

#	Research Title	Name of Investigator(s)
	Learning Analytics in Higher Educational Institutes as an action researches	Fawzia Awad Elhassan, Fanny Klett (European and global expert in information, education and training technologies)

Contribution to Scientific Conferences and Symposia

#	Conference Title	Place and Date of the Conference	Extent of Contribution
	ISLAM AND PEASE	16-17/4/2012 – Shiraton Hotel	Attendance
	First Saudi Aramco University Collaboration Forum	April 27-28, 2015 Alzahrn- Aramco hall	Attendance

Membership of Scientific and Professional Societies and Organizations

- Higher Education Academy
- Computer Science Society
- Research Gate Membership
- Teaching in Higher Education Institutes.

Teaching Activities

Undergraduate

#	Course/Rotation Title	No./Code	Extent of Contribution (no. of lectures/Tutorials. Or labs, Clinics)
1	Data Mining	IS430	16 lectures
2	COMPUTER NETWORKING	CS 120	16 "
3	DBMS	IS 220	16 "
4	Graduation Project I	CS 340	16 "
5	Computer Skills	Comp 131	16 "
6	Software Engineering I	CS 210	16 "
7	Computer Networking- Lab	CS 120	16 "



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

1	<p>COMPUTER NETWORKING CS 120</p> <p>Description:</p> <ul style="list-style-type: none"> • Familiarity with the basic concepts of computer networks. • Types of networks [LAN, MAN, WAN, SAN] • The principles of local area networks and wide area networks. • What are Protocols? • Error detection, Encoding and performance.
2	<p>Database Management System IS 220</p> <ul style="list-style-type: none"> • Storing data: disks and files which include the memory hierarchy, RAID, disk space management, buffer management, page formats and record formats; comparison of three file organizations, file and indexes which include, Three-structured indexing, hash based indexing. • Transaction management and concurrency control, which include database design security; transaction management which introduce to transactions and schedules, concurrent execution of transaction, lock-based concurrency control and crash recovery. • Crash recovery includes introduction to ARIES, recovery from a system crash and media recovery. • Parallel and distributed database including architectures for parallel databases, parallel query evaluation and optimization, distributed DBMS architectures, storing data in distributed DBMS, distributed catalog management and query processing, updating distributed data, distributed transactions • Internet database: More advanced topic is Internet database.
3	<p>Graduation Project I</p> <p>Description:</p> <p>a. Project Proposal:</p> <p>Description of the current situation that led to the product Motivation and problem statement (limitation of current systems) Description of the current opportunity. Problem solution, Project objectives and Project stakeholders Project SWOT (Strengths, Weakness, Opportunities, Threats) Project implementation plan (timetable)</p> <p>b. Requirements and Analysis:</p> <p>c. Data gathering and analysis</p> <p>d. Software requirements specifications (SRS)</p> <p>System models.</p> <p>a. Design:</p> <p>b. Architectural design</p> <p>c. Documentation/ Presentations</p>
4	<p>Computer Essential</p> <ul style="list-style-type: none"> • Understand key concepts relating to ICT, computers, devices and software. • Start up and shut down a computer. • Work effectively on the computer desktop using icons, windows. • Adjust the main operating system settings and use built-in help features. • Create a simple document and print an output. • Know about the main concepts of file management and be able to efficiently organize files and folders. • Understand key storage concepts and use utility software to compress and extract large files.



	<ul style="list-style-type: none"> Understand network concepts and connection options and be able to connect to a network. Understand the importance of protecting data and devices from malware and of backing up data. Recognize considerations relating to green IT, accessibility and user health.
5	Data Mining : IS 430 <ul style="list-style-type: none"> This course introduce the concepts and techniques of the data mining and data warehousing. Data Mining Concepts, Why data mining?, Cycles of data mining, the various cycles in practice, Data mining methodology, Measurement of the effectiveness of data mining, Data Mining Techniques, The market based analysis, Clustering, link analysis, Decision trees, Artificial neural networks, Genetic algorithms Data mining and the Corporate Data Warehouses, OLAPs, and choosing the right tool for the job, Putting data mining to work, Data Warehouse Concepts Gradual changes in computing, Dynamic reports, Data Marts, Operational Data stores, Data warehouse cost-benefit analysis , Warehouse Strategy
6	Computer Networking- Lab: Packet Tracer a

Postgraduate

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

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

1	
2	

Course Coordination

#	Course Title and Code	Coordination	Co- coordination	Undergrad.	Postgrad.	From	to
	COMPUTER NETWORKING (CS 120)	√		√		37	38
	DBMS (IS 220)	√		√		36	37
	Graduation Project I (340)	√		√		36	37

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
	L 2	20	33	34
	L2	16	34	35
	L3	16	35	36
	L4	9	36	37
	L4	14	37	38

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
1	38	Up to date	Head Dep. Deputy Assistant	Computer Department Imam Abdulrahman bin Faisal University.
2	37	38	Manager of Quality office of Computer Dep.	Imam Abdulrahman bin Faisal University – QCC
3	37	38	Director of standard 4 in self study	“

Committee Membership

#	From	To	Position	Organization
1	37	38	Member- Program Evaluation Committee	University of Dammam – QCC
2	35	37	Head deputy of Graduation Project Committee	“
3	35	36	Committee of exam conduct	“
4	36	37	member of scientific research committee	“
5	34	36	Programs Development Committee	University of Dammam – QCC



Scientific Consultations

#	From	To	Institute	Full-time or Part-time

Volunteer Work

#	From	To	Type of Volunteer	Organization
1	31	32	Member of women education committee	UNESCO - Sudan

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

1	Analysis and Design software tools skills
2	Technical support and help desk
3	Unpack, install and connect and test computers

Last Update

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