



Thowiba Elawad Hagali Ahmed

POSITION Assistant professor

Personal Data

Nationality | Sudanese-British

Date of Birth | 8/11/1981

Department | Computer science

Official UoD Email | teahmed@uod.edu.sa

Office Phone No. | 38687

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
2012	Ph.D. (information technology)	Alneelain University	Sudan
2007	Master information technology)	Alneelain University	Sudan

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

PhD	Develop a geo-database using GIS for natural resources management and infrastructure development- Red sea area
Master	Develop a database for tests of materials and soil to use as material for paving roads
Fellowship	



Professional Record: (Beginning with the most recent)

Job Rank	Place and Address of Work			Date
Assistant professor	Computer science department-	Education college – College of science and humanities now	Jubail	2013 until now
Assistant professor	IT department	Emirates College For Science And Technology	Sudan	2012/2013
Assistant professor	Faculty of computer science and information technology	Alneelain University	Sudan	2012
Programmer	IT department	Nationl Highway Authority	Sudan	2006/2011
Lecturer	Faculty of Computer science and information technology	Alneelain University	Sudan	2008-2010
Teaching assistant	Faculty Computer science department- and information technology	Alneelain University	Sudan	2004/2005

Administrative Positions Held: (Beginning with the most recent)

Administrative Position	Office	Date
Head of unit	Academic programs development	12-2022 until now
Head of department	Computer science department- Education collage Jubail- College of science and humanities now	6/2016 -60/2019
Head of department	Information Technology department, Faculty of Emirates for Science and Technology- Sudan	2012-2013
Head of department-deputy	Information Network - National Authority for Roads and Bridges.	2006-2008



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	Mohamed EL-Hakeem,2Enas E. El-Sharawy,3and Thowiba E. Ahmed	An Efficient Algorithm for Decomposition of Partially Ordered Sets	Journal of Mathematics May 2023
2	Dabiah Alboaneen* , Fatimah Almohsin, Naba A. Almadan, Atheer Almarhoon, Hawra Almohssin, Thowiba Elawad Ahmed, Maha Alghamdi and Enas E. El-Sharawy	Mawidi :Smart Appointments Booking System for Social Distancing	Information Sciences Letters April 2023
3	Khushnood Abbas, Mohammad Kamrul Hasan, Alireza Abbasi , Dong Shi , Taher M Ghazal2 , Siti Norul Huda Sheikh Abdulla , Asif Khan, Dabiah Alboaneen, Fatima Rayan Awad Ahmed, Thowiba E. Ahmed, Shayla Islam	Co-evolving Popularity Prediction in Temporal Bipartite Networks: A Heuristics based model	IEEE Access (Volume: 11) 28 March 2023
4	Mohamed Sidahmed M. Siddik , Thowiba E. Ahmed , Fatima Rayan Awad Ahmed , Rania A. Mokhtar , Elmustafa Sayed Ali , and Rashid A. Saeed	Development of Health Digital GIS Map for Tuberculosis Disease Distribution Analysis in Sudan	Journal of Healthcare Engineering
5	Fatima Rayan Awad Ahmed1 ,Thowiba E. Ahmed2 , Rashid A. Saeed3 , Elmustafa Sayed Ali4,5 Ghada Elnour Elterafi Abdelrhman6 and Somia Yousif Ahmed Abutiraima7	Exploratory Investigation for Some Universities' E-Learning Systems during Covid-19 Pandemic	IJCSNS International Journal of Computer Science and Network Security, VOL.22 No.12, December 2022
6	Enas E. El-Sharawy1* , Thowiba E Ahmed2 , Reem H Alshammari3 , Wafaa Alsubaie 4 ,Norah Alqahtani 5 , Asma Alqahtani 6	Reviewing And Analysis of The Deadlock Handling Methods	IJCSNS International Journal of Computer Science and Network Security, VOL.22 No.10, October 2022
7	Udit Singhanian1, Balakrushna Tripathy 2, Mohammad	A Predictive and Preventive Model	Frontiers in Public Health- Volume 9-11 October 2021



	Kamrul Hasan ^{3*} , Noble C. Anumbe ⁴ , Dabiah Alboaneen ⁵ , Fatima Rayan Awad Ahmed ⁶ , Thowiba E. Ahmed ⁵ and Manasik M. Mohamed Nour ⁷	for Onset of Alzheimer's Disease	
8	Fatima Rayan Awad Ahmed a, Thowiba E. Ahmed b, Rashid A. Saeed c, [*] , Hesham Alhumyani c, S. Abdel-Khalek d, Hanaa Abu-Zinadah	Analysis and challenges of robust E-exams performance under COVID-19	Results in Physics-Volume 23, April 2021
9	Thowiba E. Ahmed ,1 K. M. Kheiralla ,2 Fatima Rayan Awad Ahmed ,3 Rashid A. Saeed,4 and Hesham Alhumyani4	Design and Implementation of Multilayer GIS Framework in Natural Resources Management: Red Sea Area	Complexity- Volume 2021, Article ID 5597707 20 Apr 2021
10	Thowiba E Ahmed, Naba Abdulraouf Almadan, alma Nabil Elsadek Haya Zayed Albishi Norah Eid Al-Qahtani Sarah Khaled Alghamdi	Smart Deaf Emergency Application Based on Human-Computer Interaction Principles	IJCSNS International Journal of Computer Science and Network Security VOL.21 No.4 Apr 2021
11	Soha Badawi Mohammed Mansour, Thowaiba E Ahmed, Al-Maha Ali Al-Qahtani, Yousry Aref Al-Ruwaili,	Computerization of Curricula and Its Impact on Academic Achievement of Children with Learning Difficulties	IJCSNS International Journal of Computer Science and Network Security Vol. 21 October 2021
12	Fatimah H. Almuhsin, Naba Almadan, Atheer Almarhoon, Hawra A. Al Mohssin, Thowiba Hagali Ahmed, Dabiah Alboaneen(B), and Enas E. El-sharawy	Smart Appointments Booking Systems for Social Distancing: Technologies and Solutions	International Conference on Innovations in Bio-Inspired Computing and Applications IBICA 2020: Innovations in Bio-Inspired Computing and Applications 10 April 2021
13	Dr. Fatima Rayan Awad ³ 1, Dr. Thowiba Elawad Ahmed ² , Dr. Mohamed Sidahmed M siddik	The Readiness of Countries for E-Learning with Special Focusing on the Sudanese Experience	IJCSNS International Journal of Computer Science and Network Security, VOL.19 No.3, March 2019
14	Mohammed Sidahmed M. Siddik Dr. Thowaiba Elawad H Ali	Health Digital Map of Tuberculosis Disease in Sudan	12th GIS Symposium in Saudi Arabia ²¹⁰⁸
15	Mohammed Sidahmed M. Siddik Prof.Awadalkareem Yousif	Tuberculosis Patients distribution & Drugs Supply Chain in Sudan	Tahnoon journal for studies and scientific researhes ²⁰¹⁷



	Dr. Thowiba Elwad H Ali		
16	Dr/Thowiba Elwad Hagali	Develop a Database for Soil Tests and judging their Validity as Road Construction Materials	International Journal of Computer Applications 2017
17	Dr/Thowiba Elwad Hagali Dr/Alsamani Abdoalmotalib Dr/Khalid Mustafa	Use Geographical Information System (GIS) for Creating an Educational Map within the Context of UNESCO -Education for Sustainable Development Program - A Case Study in Red Sea State in Sudan	International Journal of Computer Applications 2015
18	Thowiba Elwad Hagali Dr/Alsamani Abdoalmotalib Dr/Khalid Mustafa	Use of geographical information systems and in natural resources management and infrastructure development by	Faculty of Graduate Magazine University of Neelain-2012

Scientific Research Papers Presented to Refereed Specialized Scientific Conferences

#	Name of Investigator(s)	Research Title	Conference and Publication Date
1	Naba Almadan, Fatimah H. Almuhsin, Atheer Almarhoon, Hawra A. Al mohssin, Thowiba Hagali Ahmed, Dabiah Alboaneen, and Enas El-sharawy	Smart Appointments Booking Systems for Social Distancing: Technologies and Solutions	WICT 2020

Contribution to Scientific Conferences and Symposia

#	Conference Title	Place and Date of the Conference	Extent of Contribution
1	The 11th annual Saudi High Performance Computing Conference (Saudi HPC) 2022	Imam Abdulrahman Bin Faisal university-CSIT college	Attendance
2	National Conference of Saudi Computers	Taief university 27-28 March-2020	Attendance
3	The first online Arab	4-7-2020	Attendance& organizing



	science week		
4	Second symposium for heads of academic departments	23-3-2020	Attendance
5	Emerging technologies and their applications in service of sustainable development in the Arab world	6-2020	Attendance& organizing
6	Jubail industrial internet of things conference	Royal commission for Jubail and Yanbu-12-2018	Attendance
7	12th GIS Symposium in Saudi Arabia	Dammam 4-2018	Attendance & participation
8	The First Scientific Forum	Education collage-Jubail 3-2108	Attendance & organizing
9	11th GIS Symposium in Saudi Arabia	Dammam 4-2017	Attendance
10	"The 9th national GIS symposium in Saudi Arabia	Dammam 4-2014	Attendance
11	The International Conference on Education Evaluation	Riyadh 4-6-12-2018	Attendance
12	The first Symposium for heads of academic departments	Dammam 8-1440	Attendance & organizinge
13	Internet Of Things Conference	Jubail 11-12/12/2018	Attendance

Membership of Scientific and Professional Societies and Organizations

- Saudi-computer-society

Teaching Activities

Undergraduate

#	Course/Rotation Title	No./Code	Extent of Contribution (no. of lectures/Tutorials. Or labs, Clinics)
1	Professional responsibility		
2	Digital hardware		



3	Fundamentals of Information Systems		
4	Human computer interaction		
5	Operating systems		
6	Database concepts and design		
7	Database programming		
8	Web based systems		
9	System analysis and design		
10	Design and evaluation teaching programs		
11	Statistical analysis		
12	Introduction to computer science		
13	Software engineering		
14	Geographical information systems		
15	Computer applicatins		
16	Introduction to c++		

Postgraduate

#	Course/Rotation Title	No./Code	Extent of Contribution (no. of lectures/Tutorials. Or labs, Clinics)
1	Using the computer applications in teaching		
2	Educational statistics		

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

Administrative Responsibilities

#	From	To	Position	Organization
1	2021	2022	Highest number of community service hours	Cs department - College of science and humanities
2	12-2022	now	Head of Academic programs development	Imam Abdualrahman Bin Faisal university



			unit	
3	6-2016	6-2019	Head of computer science department	Education college-Jubail- College of science and humanities (now)

Committee Membership

#	From	To	Position	Organization
1	12-2021	now	of the Advisory Committee for Programs Development	Imam Abdualrahman Bin Faisal university
2	2020	Till now	Computer science department consulting committee	College of science and humanities
3	2020	Till now	Strategic plan committee for Computer science department	College of science and humanities
4	2020	Till now	Graduate projects committee	College of science and humanities
5	2021	Till now	Computer science department academic advisor's coordinator	College of science and humanities
6	2021	Till now	Tre semester transformation committee	College of science and humanities
7	2016	Till now	Computer science department Scientific Committee	College of science and humanities
8	2013	2014	Graduate projects committee	Education college-Jubail
9	2014	2106	Exams committee	Education college-Jubail
10	2016	2019	The scientific committee for the college	Education college-Jubail

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

1	Oracle DBMS
2	Web design-HTML-PHP
3	Administrative skills

Last Update

03./17/2023

