

CURRICULUM VITAE



1. Personal Information

Name: Dr. Selma Elsheikh Abdelrahman
Nationality: Sudan
Tel: 050-4767897, 0567974363
Email: selma_111@yahoo.com, selmaelsheikh111@gmail.com,
Language: Arabic and English
Visa: Residency

2. Education Background

	Specialization	Year	University	Country
PhD	Computer System Engineering (Web Engineering and Information System Security). Thesis Title: Development of a Web Access Control Technique Based on User Access Behavior	2004	University Putra Malaysia (UPM)	Malaysia
MSc	Computer Science Thesis Title: Comparison of the Inference Engine Techniques in Developing Management Expert System.	1998	University Technology Malaysia (UTM)	Malaysia
BSc	(Honors) in Statistics and Computer Science	1992	University of Khartoum	Sudan
Training courses	Computer Science and Applications	1989	University of Ain Shams	Egypt

3. Scholarships and Awards

- The Sudan Government's scholarship (MSc) in Malaysia
- The Sudan Government's scholarship (PhD) in Malaysia.
- The Government of Malaysia Award (PhD) research, Intensified Research Priority Area (IRPA) Grant.

4. PROFESSIONAL EXPERIENCE				
From (year)	To (year)	Position	Employer	Country
2022	To Date	Director of Computer Programs and Training	ACT Research and Training Center	Sudan
2021	2022	Adjunct Faculty	Aldar University College	United Arab Emirates
2020	2021	Assistant professor (Part-Time)	American College of Dubai	United Arab Emirates
2018	2019	Assistant professor (Part-Time)	University of Modern Science	United Arab Emirates
2017	2018	Assistant professor	University of Jazeer	United Arab Emirates
2014	2017	Assistant professor	University of Modern Science	United Arab Emirates
2013	2014	Assistant professor	Emirates College for Management & Information Technology	United Arab Emirates
2009	2013	Assistant professor	Ittihad university	United Arab Emirates
2006	2008	Assistant professor	Al gurair University	United Arab Emirates
2004	2006	Assistant professor	Gezira University	Sudan
2000	2003	Principal of Expert System Lab (Expert System and Knowledge Engineering Lab),	University Putra Malaysia	Malaysia

5. Teaching philosophy

I believe that all students are unique and need a teacher that caters to their individual needs in a safe and stimulating environment. I want students to value their own ability to think creatively, and I encourage them to use novel ways to demonstrate their knowledge. I work to ensure my classroom is a safe space for sharing feelings and allowing students to be themselves. To accomplish this, I present information in the most compelling way possible - often through interactive teaching aids and experiential learning opportunities. At the beginning of each semester, I explain that I expect students to take an active role in their learning, asking questions and going beyond the material presented in class. In addition to keeping track of student participation, I assess content mastery using traditional examinations. I also request feedback from students about my presentation of materials and the assignments they complete. I regularly stress my commitment to continual improvement and encourage students to give me feedback during office hours.

6. EDUCATIONAL EXPERIENCE: Courses taught at graduate and undergraduate programs in UAE, Malaysia and Sudan

1. Management Information System (MIS).
2. Fundamental of Information System and IT
3. Systems Analysis and Design
4. Managing Information Technology
5. Business Information System Development.
6. IT Management for Services Operation.
7. Accounting Information System.
8. Data Warehousing & Mining.
9. Data Base Management Systems.
10. E-Commerce.
11. Fundamentals of web programming
12. Web Development.
13. Web Technologies.
14. Multimedia Technology.
15. Principle of Operating System.
16. Programming Language C++.
17. Network Security
18. Cloud Computing
19. Expert System.
20. Artificial Intelligent
21. Informatics.
22. Design & Analysis of Algorithms

23.	Introduction to Numerical Methods.
24.	Discrete Mathematics
25.	Operation Research.
26.	Quantitative Methods for Business Management.
27.	Statistics for Business.
28.	Probability & Distributions.
29.	Basic Statistics

7. PUBLICATIONS

• Journal Articles

1. Abubaker Abdelrahman, Fatima Musbah and **Selma Elsheikh 2023**. "Crystallites Dimensions and Electrical Conductivity of Solid Carbon Pellets(SCPs) from Date Palm Leaves (Phoenix dactylifera L.): **Academic Journal of Research and Scientific Publishing (AJRSP)**. Vol 14). 1 May www.ajrsp.com.
2. **Selma Elsheikh** Samia Abdrahman, 2016. "Application of data mining on web usage data for security: WebSecuDMiner", *Gulf- Pacific journal of business administration (GJBA)*. Vol 1(2). 18 December, pp.141-151.
3. Samia Abdrahman, **Selma Elsheikh**, 2013. "The Economic Empowerment of Urban Women in Sudan: Empirical Analysis ", the Journal of American Academic of Business Cambridge, Vol.19 (1). September, pp. 302-307. (Scopus)
4. **Selma Elsheikh**, 2008. "Access control scheme for Web services (ACSWS)".*IEEEExplore Digital Library*, May, pp.854–858 http://ieeexplore.ieee.org/xpl/freeabs_all.jsp?arnumber=4580726 (Scopus)
5. **Selma Elsheikh**, Mohamed Daud, Mohd Zohadie Bardaie and V Barkash, 2005."Web Access Control: New Paradigm", Brunei Darussalam Journal of Technology and Commerce, Vol12 (5) Nov- December.
6. **Selma Elsheikh**, Mohamed Daud, Mohd Zohadie Bardaie and V Barkash, 2003. "Web Access Control using Knowledge-Based", SuranareeJ. Sci. Tech., Vol. 9(1) Nov.-December.
7. **Selma Elsheikh**, Lawan Ahmed, Mohamed Daud, and Abdul Rahman Ramli, 2002." Anew authentication scheme for distributed systems", Khon Kaen University Science Journal, Khon Kaen University Science Journal, Vol. 30(2). April-June, pp.75-87.
8. **Selma Elsheikh**, Mohamed Daud, Mohd Zohadie Bardaie and V. Barkash, 2000. "Expert System in World Wide Web Access Control", Suriname J. Sci. Tech., Vol 7(2): Apr-June.

• Conferences

1. Samia Abdrahman, **Selma, Elsheikh 2020**, "Working Women and Economic Empowerment: evidence from UAE" 2nd International Virtual Research Conference on Contemporary *Business and Technology (CBIT-2020)*, 21st-22nd October 2020
2. Samia Abdrahman, **Selma Elsheikh**. 2016. "Women's Economic Empowerment and Poverty: Lessons from Sudan" International Conference on Business and Economic Development (ICBED), ISSN No-2047-2854. New York, USA, 4-5th April.
3. **Selma Elsheikh**, Samia Abdrahman, 2009. "Statistics of Poverty: Multivariate Regression Analysis", the International Scientific Conference: Challenges for Analysis of the Economy, the Business, and Social Progress, Pp 201-210 Szeged (Hungary), 19-22 November.
4. **Selma Elsheikh, 2008**. "ACMU: Access Control Model on Web Environment", the International Conference on Internet and Multimedia Technologies (ICIMT'08), San Francisco, 22-24 October.
5. **Selma Elsheikh, 2008**. "Web Access Control using User Access Behavior (WACUAB)", the International Conference on Semantic Web& Web Services (SWWS'08), World Congress in Computer Science, Computer Engineering, and Applied Computing (WORLDCOMP'08) Las Vegas, Nevada, USA, 14-17 July.
6. **Selma Elsheikh, 2008**. "Web Usage data for Web Access Control (WUDWAC)", the International Conference of Information Security and Internet Engineering, the World Congress on Engineering (WCE 2008), London, UK, 2-4 July.
7. **Selma Elsheikh, 2008**. "Access Control Scheme for Web Services", the International Conference on Computer and Communication Engineering (ICCCE08), Kuala Lumpur, Malaysia, 13-15, May.
8. **Selma Elsheikh**, Mohamed Daud, Mohd. Zohadie Bardaie and V. Prakash, **2003**. "Web Access Control in Knowledge-Base System", the Second World Engineering Congress, Kuching, Sarawak, Malaysia. 22-25 July.
9. **Selma Elsheikh**, Mohamed Daud, Mohd. Zohadie Bardaie and V.Prakash, **2002**. "Web Access Control

Knowledge-Base Modules", the Third Conference on Ecotourism Innovations and Expert System Application for Sustainable Management Based on Safety, Health and Environment, Serdang, Malaysia. 26 October.
10. Selma Elsheikh , Lawan Ahmed, Abdul Rahman Ramli and Mohamed Daud, 2001 . "New Access Control Scheme for Distributed Systems", the Malaysian Science & Technology Congress (MSTC2001), Penang, 7-8 November.
11. Selma Elsheikh , Mohamed Daud, Mohd. Zohadie Bardaie and V. Prakash, 2001 . "Integrating Expert System into Web Access Control", the Malaysian Science & Technology Congress (MSTC 2001), Penang, 7-8-November.
12. Selma Elsheikh , Lawan Ahmed, Abdul Rahman Ramli and Mohamed Daud, 2000 . "New Authorization Scheme for Distributed Systems", UPM Engineering Research seminar, 2-3 October.
13. Selma Elsheikh , Mohamed Daud, and Mohd. Zohadie Bardaie, 1999 . "Security Policy for Computer Sites", the Malaysian Science Technology Congress'99 (Symposium C: Information Technology) Johor Bahru, Malaysia, 6-8 December.

9. PROFESSIONAL AND ACADEMIC ACTIVITIES

• Professional Training

1. "The preparation and implementation of a course" at ITTIHAD UNIVERSITY, UAE, 2011.
2. "How to use Oracle Developer" at University Putra Malaysia, 2003
3. "Implementation of a database using ACCESS" at University Putra Malaysia, 2002.
4. "Statistical data analysis using - SPSS" at Gezira University, Sudan, 1999.

• Workshops

1. Program effectiveness, University of Modern Science, Dubai, June 14, 2016.
2. Faculty development Workshop, Academic Programs and UAE Qualifications Framework, Emirates Collee for Management & Information Technology, Dubai, May 30, 2013.
3. Course File, ITTIHAD University, Ras Al khaimah, July 14, 2012.
4. Information Systems Security Assessment (ISSAF) Conference in Dubai, Al ghurair University, Dubai, April 2008.
5. The First World Engineering Congress on Smart Farming and GIS, Faculty of Engineering, University Putra Malaysia, October 2002.
6. Computer Security, Seminar on authentication and authorization techniques, Faculty of Engineering, University Putra Malaysia, Malaysia, April 1999.

• Theses Supervision

➤ Final Year Theses Supervision

1. Information System for Tourism Sectors and facilities in Dubai) DXB) COLLEGE OF INFORMATION TECHNOLOGY AND DESIGN. University Of Jazeera, UAE, 2018.
2. Web-Based Information System for Blood Donation. ITTIHAD UNIVERSITY, 2013.
3. Development of Online Information System for Study Selection & job Searching (WSSJ) ITTIHAD UNIVERSITY, UAE, 2013.
4. Development Of web-based information system for tourism sectors and facilities in UAE (WIST_UAE), ITTIHAD UNIVERSITY, UAE, 2013.
5. Online Car Showroom System (OCSS). ITTIHAD UNIVERSITY, UAE, 2013.
6. Development of an Expert System for Diseases Diagnosis (ESDD), ITTIHAD UNIVERSITY, UAE, 2012
7. Development of Course Assessment & Attendance Policy Information System (CAAP): College of Management and Information System (CMIS), ITTIHAD UNIVERSITY, UAE, 2011.
8. Kids Pre School Learning System. Al Ghurair University, UAE, 2009.

➤ Master Theses Supervision

1. Developing an Expert System for Plant Disease Diagnosis: Case Study Sudan, Gezira University, Sudan, 2019 (Work in Progress).

➤ Research Interest

- My primary field of research interest is Web mining and information security specifically access control on the WWW Although, many Web access control models have been proposed, there is no much work has been done for finding efficient techniques for performing access control.
- Other interests include Market basket analysis, Expert system in Management, and Multivariate

Statistical Modeling.
➤ Software / Program
<ul style="list-style-type: none"> • E-learning software: Blackboard, Banner, Canvas & Moodle • E-learning platform: MS Teams& Zoom

9. MEMBERSHIP OF PERIODICALS AND SCIENTIFIC JOURNALS
<ul style="list-style-type: none"> • Member of IEEE, UAE Section Committee • Member of the International Association of Engineers (IAENG), London, U.K. • Member of the Expert System Research Group (ESRG), University Putra Malaysia, Selangor, Malaysia. • Member of the Sudanese Studies Association, USA. • Member of the Humanity No Frontier Organization, Khartoum, Sudan.

10. References:
1. Dr. Mukdad Ibrahim , Associate professor, Business Department, American College of Dubai, Dubai, U.A.E M: +971507814445 , Email: mukdad@yahoo.com
2. Dr. Elfadil A. Mahamed , Assistant Professor, Faculty of Information Technology, Ajman University, P.O. Box 346, Ajman, U.A.E. M: +971507278476, Email: fadil_ali@yahoo.com .
3. Dr. Sayed Abbas Ahmed , Associated Professor of Accounting and Finance. Ajman University, P.O. Box 346. Tel +971067056027, Mobile: +971504617152, Email: s.abbas@ajman.ac.ae

UNIVERSITI **P**UTRA **M**ALAYSIA

It is hereby certified That

SELMA ELSHEIKH ABDELRAHMAN ELAMIN

*having fulfilled the requirements prescribed by the Senate
has been awarded the*

Doctor of Philosophy
(Computer Systems Engineering)



Hassan Ibrahim
Vice-Chancellor

Abdusamad Saifuddin
Registrar

9 September 2004



**UNIVERSITI
TEKNOLOGI
MALAYSIA**

THE SENATE HAS CONFERRED UPON

SELMA ELSHEIKH ABDELRAHMAN

THE DEGREE OF
**MASTER OF SCIENCE
(COMPUTER SCIENCE)**

(Signed)
VICE-CHANCELLOR

(Signed)
REGISTRAR

CERTIFIED TRANSLATION:

18 JULY 1998

(Signed)
DEAN,
SCHOOL OF POST GRADUATE STUDIES



بسم الله الرحمن الرحيم
The Republic of The Sudan

University of Khartoum

Academic Affairs Secretariat



0606591

CERTIFICATE

Selma Elsheikh Abd Elrhman Elamin

Sudanese National

This is to certify that the above named has passed the final examination in the Faculty of Mathematical Sciences and has been awarded the degree of Bachelor of Science (Honours) in (Statistics & Computer Science) with (Second Class - Division II)

on 9th of Muharram 1413
9th of July 1992

by the Senate of the University of Khartoum



Mahmoud
Dr. Mahmoud Ali Ahmed

Dean



Mohammed Khamees Abdalla
Mohammed Khamees Abdalla

Registrar



Ibrahim Mukhtar Ahmed
Dr. Ibrahim Mukhtar Ahmed
Academic Affairs Secretary



Date: 06-09-2018



بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

ولاية الجزيرة
وزارة المالية والتنمية الاقتصادية
الإدارة العامة للشؤون الاقتصادية

التخطيط والتنمية - الإستثمار - الصناعة

الترعة :

التاريخ :

TO WHOM IT MAY CONCERN

This is to certify that Mis. Salma EL Shiekh has built a Computerized System to General Administration for Economic Affairs - Gezira State with two of her colleaques from sep. 1994 to dec. 1994.

The System includes the Investment System and the Control of the Data flow. The System was designed by Clipper and FoxPro25 Languages.

This certificate has been issued upon her request

Osman Ahmed Ali ElHaseen
Gen. Manager,
General Administration for Economic Affairs





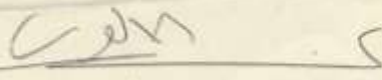
June 16, 2013

TO WHOM IT MAY CONCERN

This is to certify that Dr. Selma EIsheikh Abdrahman has worked as Assistant Professor in the BIS program, College of Management and Information Systems from September, 2009 to June 2013. Dr. Selma has taught several courses to the undergraduate students of both the College of Management & Information Systems and College of Engineering and Computer Science. In addition, she supervised students' graduation projects.

We are pleased to confirm that during her tenure at this University, Dr. Selma successfully discharged her teaching duties competently and with high standard of commitment and devotion.

We wish her all the best.


Prof. Abdul Sattar Al-Alusi, PhD, FCQI CQP
Chancellor



Date: June 28, 2017

UMS-Ref-No- 3108

CERTIFICATE OF EXPERIENCE

This is to certify that **Dr. Selma Elsheikh Abdrahman Elamin**, Sudanese Nationality holder of Passport No. P02478198 has been working with University of Modern Sciences as Assistant Professor under College of Business from the covered period September 7, 2014 to June 30, 2017.

We wish her all the best on her future endeavors.

Yours truly,



Dr. Tie Xu

Acting President



www.ums.ae



Date: 13th June 2013

TO WHOM IT MAY CONCERN

I am very pleased to recommend Dr. Selma Elsheikh Abdelrhman for the position in your organization. I had the pleasure of working with Dr. Selma at Ittihad University in Ras Al khima for the last four years.

She was organized, efficient and willing to do whatever was needed to get a particular task accomplished. She is also a most dependable team player. Her good judgment and mature outlook ensures a logical and practical approach to her endeavors.

In short, I give her my highest recommendation. She is one of my finest colleagues, an outstanding researcher and talented teacher. She would be a good catch for any organization and I urge you to consider her candidacy seriously.

Sincerely,

Dr Mukdad Ibrahim
Associate Professor
College of Management and Information Systems
Ittihad University
Mobile: 0507814445
Email: mukdad@yahoo.com





June 16, 2013

To Whom It May Concern:

Dr. Selma Elsheikh Abderhman has requested for a letter of recommendation in support of her application. I do this with a great deal of enthusiasm for a professional who holds a tremendous amount of potential, I know her since 2009 as my colleague in the college of management and Information Systems at ITTIHAD UNIVERSITY, RAK, United Arab Emirates.

As an academican, Dr. Selma is organized, communicates course content clearly and with a definitive knowledge of her subject, is consistently aware of student's varying abilities and backgrounds, and utilizes a variety of teaching methods that encourage critical thinking and analysis. This has been amply demonstrated in the repeated high rating by her students and she displays a genuine interest and concern for students.

As a researcher I have found her to be progressive minded who always looks for opportunities to adapt and, most definitely, displays a heartfelt commitment to the learning process. She approaches her responsibilities with enthusiasm and efficiency creating a vision that is both realistic and achievable.

In summation, Dr. Selma is a very talented and skilled individual, and holds herself up to strict standards of performance and professionalism. I most enthusiastically recommend her.

Sincerely,

Dr Pujari VCSMR
Program Director,
Business Administration,
ITTIHAD University

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