

Curriculum Vitae for Dr. Safaa Saleh

Personal Information

- **Name :** Safa'a Mohamed El Said Ibrahim Saleh
- **Marital Status:** Married
- **Religion:** Muslim
- **Date of birth:** 30/6/1970
- **Mobile :** +201224226041 (Egypt)
- **e-mail:** Safaa34@hotmail.com – Safaa34@gmail.com



Education

- B.Sc., Science (1991), Alexandria University- general grade: Very Good.
- Awarded the High Diploma Degree in information system (2005), from College of Computing & Information Technology, general grade: Excellent.
- M.Sc. in Information System (2008), College of Computing & Information Technology, general grade: Excellent.
- Ph.D. in Information System (2016), College of Computers & Information, Monufia University, Specific Specialization; Distributed data systems.

Technical international Certificates

- MCT (Microsoft certified trainer) –
- MCSE (Microsoft certified System engineer)-
- MCSA (Microsoft certified System Administrator)
- MCDBA (Microsoft certified Database Administrator)
- MCSA (Microsoft certified Solution Developer)-
- MCAD (Microsoft certified Application Developer) –
- OCA (Oracle certified Associate)

Research Interests:

Distributed Data Systems, Data Mining Applications, Bioinformatics, Digital Libraries, Intelligent Systems.

Experiences

- From 1995-2000 worked as computer trainer in **Al-Alamiah Institute for computer and technology** (AL Madinah Al Munawarah). During this period, she prepared all the provided courses of the Institute and all these courses are generalized for all Al-Alamiah branches all over the Kingdom. Al-Alamiah Institute for computer and technology appreciated her several times efforts for highest income from the training since she started the work with a grateful letters from the management.
- From 2000-2004, She worked in **Taibah Women Institute** (AL Madinah Al Munawarah) and was one of the essential staff, Education & training supervisor of Education & training in the institute. During this period, she contributed with the **King Saud University** in designing the studying

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programs of the institute. The Institute appreciated her for her efforts and carefully supervising.

- From 2004-2008 worked in Chamber of Commerce, Al Madinah Al Munawarah Branch, as an **Operational manager of the Training & Administrative Promotion Centre (TAPC)** supervising all women centers for the departments of (accounting and registration – finance – training – international training – marketing – administration promotions-..etc).
- From 2008-2015 she worked as Information System **Lecturer** at **Taibah University**, Al Madinah Al Munawarah.
- From 2017 until now, she is working as (assistant prof.) in **Egyptian Institute for Alexandria Academy (EIA)**.
- 2018 until now Cooperated with the Arab Academy for Science, Technology and Marine Transport (**AASTMT**) in teaching.
- 2020 until now Cooperated with Faculty of Commerce, Alexandria University.

Academic Courses that she teaches for both undergraduate and post- graduate students:

1. Introduction To Computers
2. Introduction To Information Systems
3. Data Structures
4. Data Mining
5. Software Design and engineering
6. Programming (1) with C , Java, Pascal, VB
7. Programming (2)- C++, Java
8. Data and Information Management
9. Advanced Business Database Systems
10. Data Communications and Networking
11. System Analysis
12. Graduation Project
13. Advanced Information Systems and Applications
14. Digital Transformations

Training courses that she teaches in cooperation with Microsoft

- Analyzing Requirements and Defining Microsoft .NET Solution Architectures Feb 12, 2004
- Developing XML Web Services and Server Components with Microsoft Visual Basic .NET and the Microsoft .NET Framework Feb 09, 2004
- Developing and Implementing Web Applications with Microsoft Visual Basic .NET and Microsoft Visual Studio .NET Jan 29, 2004
- Developing and Implementing Windows-based Applications with Microsoft Visual Basic .NET and Microsoft Visual Studio .NET Jan 26, 2004
- Implementing and Administering a Microsoft Windows 2000 Directory Services Infrastructure Sep 01, 2003
- Designing a Microsoft Windows 2000 Network Infrastructure Aug 25, 2003

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- Managing a Windows 2000 Network Environment Aug 14, 2003
- Designing and Implementing Databases with Microsoft SQL Server™ 2000 Enterprise Edition Aug 11, 2003

Achievements:

- ❖ Publish many books for training courses of VB level I and level II - winNT – Microsoft office 2000 at Al-Alamiah Institute. These courses were generalized to all Al-Alamiah Institute branches in the Kingdom.
- ❖ Prepared all the following training courses for Taibah Women Institute:

Domain	Written courses
IT	Introduction to computers , internet + Microsoft Office XP
Programming	Pascal, C, Java1, Java2 , data structures
Database	Database fundamentals , Oracle10i (2 levels)
Networks	Network fundamentals , Win2000 server
Web	HTML – DHTML – Java Script – ASP.
Graphics	Adobe Photoshop– Macromedia flash – Macromedia Direct

❖ At Taibah University, she achieved the following while working as :

- **Head of ((Control Unit)) of the college,**
 - Computerize the work in the unit through designing an information system to manage the testing work and extract the needed reports and statistics.
- **Head of ((Technical Support Unit)),:**
 - Issuing the Guidebook of the college-Providing the technical support to the staff members-finishing the annual report of the college-.....
 - Managing the site content of her college on internet gate of Taibah University
- **Head of ((Curricular Schedules Unit)).**
 - She led the team work to develop an information system to manage the Time Curricular schedule. She was awarded by her management that appreciation her work.
- **Head of ((Quality Assurance Unit)).**
 - She contribute in skills development of faculty members by introducing the following training courses as :
 - Using Microsoft Excel in administrative and educational work
 - Using Adobe Photoshop to create, edit images
 - How to formulate key performance indicators

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- The role of the faculty members in achieving quality
- The role of the students in achieving quality
- How to write the courses description report
- **Also, She participates in the following activities of**
 - Participated in Strategic Plan for the Health Sciences
 - Participated in strategic plan of the College of Engineering and Computer Science.
 - Participated in the self-study of the accounting program at the College of Business Administration, Taibah University, in Al Medina.
 - Participated in the issuance- working guide for units and committees at the Faculty of Health Sciences
 - Questionnaires performance of various business units evaluated according to the accreditation standards

List of Publications

1. New Approach using Machine Learning Techniques for Gene Function Prediction from Expression Data, ICCTA, 2008.
2. Improving Interoperability of Semantic digital library using data mining techniques, AMECSE 2011.
3. Ex2Net: Model- Based information System to infer Gene Regulatory Network, International Journal of Bio-Medical Informatics and e-Health (IJBMiEH), 2014.
4. CDRT: An Efficient Clustering Algorithm for Distributed Real-Time Database sites; The 9th International Conference on Informatics and Systems (INFOS2014); Parallel and Distributed Computing Track; IEEE explorer; pp. PDC-87 - PDC-92 ; December 2014.
5. Scalable data-oriented replication with flexible consistency in real-time data systems; Data Science journal; Vol. 15, No. 4; pp. 1-15; March 2016.
6. IReIDE: Intelligent Replication for Distributed Real-Time Databases Systems; The International Arab Journal of Information Technology-IAJIT; Vol.15, No. 4, 2018.
7. Dynamic clustering technique for improving Real-time data systems performance; JPDC, 2020.
8. An improved energy-efficient head election protocol for clustering techniques of wireless sensor network, Egyptian Informatics Journal, Science-Direct, 2020.
9. Opti-LEACH: An Optimal Cluster Head Selection protocol for WSN based on LEACH, submitted to Egyptian Informatics Journal, 2022.
10. Trusted-LEACH: A Trusted Routing protocol using blockchain for IoT, submitted to Data SCIENCE Journal, 2021.