


# Sabah H. Al-Madani

## Computer Scientist

Jaber Al Ahmed – Asma - Kuwait

 <https://www.linkedin.com/in/sabah-almadani-480995134>

 +965 24633601

 sabah.almadny@ku.edu.kw

A teaching assistant with over 20 years of expertise instructing undergraduate and graduate-level courses at Kuwait University. Research interests include machine learning, AI, health informatics, text mining, and Survey Design and Analysis.



### Skills

- Capable of taking the initiative and inspiring others on the team
- Working productively with students and faculty
- Capability to increase knowledge and IT abilities

● ● ● ● ●  
Excellent

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Excellent

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Excellent



### Professional Experience

2014 - current

#### Teaching Assistant

*Department of Information Science, Kuwait University, Kuwait*

2007-2014

#### System Analysis Specialist

*Health Science Center, Kuwait University, Kuwait*

2003-2007

#### High School Teacher

*Omama bent Behir school, Hawalli Governorate, Kuwait*

1997-2003

#### Secondary School Teacher

*Tayma & Alandalus schools, Jahra and Farwaniya governorates, Kuwait*



### Education

Sep 1999-Jun 2001

#### Master of Science: master's in computer engineering

*Kuwait University (KU) - Kuwait*

Sep 1992- Jun 1997

#### Bachelor of Science: Computer Science

*Kuwait University (KU) - Kuwait*

## Services

2014-current

Contribution of committees: Social Committee, Research, Co-supervisor for Information Science Club.

Jul 5-6, 2020

E-Learning using Blackboard Collaborative Ultra: A personal Experience.

Jun 30, 2020

Workshop for faculty on MS Team (Virtual)

Jun 28, 2020

Workshop for students on MS Team (Virtual)

2011 – 2013

Develop projects serving

1- VPAA | Online Recruitment System Kuwait University teaching faculty.

2- HSC | Immunology system.

3- HSC | Inventory System.

2013

Conducted several workshops and training courses to schoolteachers. Examples includes LOGO programming language, Design Homepage & Electronic magazine, JavaScript, School Forum, Windows 98 & XP Tips and tricks, and Multimedia applications.

2001

Kuwait university – Engineering and Petrochemical Collage

Design Program titled “Task Allocation Problem” using C++ Language



## Honors, Awards, and Scholarships

2021

Women in Tech Summit 2021 – Her Inspires All (Microsoft in partnership with central Agency for Information technology (CAIT) )

2020

Grand Prize Winner (Global Artificial Intelligent invention) from Technovation (Kuwait Birds Tracker App)

2009

Contribution to the succeed of First Annual Kuwait Breast Diseases & Oncoplastic Reconstruction surgery Conference.

1999

Scholarship to continue Masters (1999-2001), Ministry of Education, Kuwait



## Accomplishments

2018 – current

Encouraged students to learn more about their major by search topic for course project (ISC100 - CLS109 – ISC340) and presented to other students.

Sep- 2019

Coaching IS department students to The 7th Kuwait Collegiate Programming Contest (KCPC) using C++ Language.

Mar -2016

Implemented a series of workshops-based learning programs, which increased student interest in programming (Web programming).

2006

Design Homepage for school & Electronic magazine to familiarize parents and students with the school system.

2005

Successfully implemented “Jadawel7 “for assistant principal, and School Timetable using MS Excel for head teachers.



## Software



R



Excellent



SPSS



Excellent



MS Office



Excellent



C++/Html/CSS/JavaScript/ASP.net/JAVA



Excellent



## Languages



English/Arabic



Excellent



## Certifications

Mar 15-16, 2023

Dec 12, 2021

May 26, 2021

Jun 20, 2021

Jun 28, 2020

Jun 30, 2020

Jul 5-6, 2020

Jul 29, 2020

Aug 13-14, 2020

Apr 30, 2019

Mar 11-13, 2018

Apr 4, 2018

2016

Nov 10, 2013

Nov 26, 2013

Sep 30, 2012

Feb 14-16, 2009

1. IWD2023 Grad Cohort (for Women in Computing - Kuwait) "Dare to Be ..."
2. Women in Tech Summit 2021 H.I.A – Her Inspire All by Microsoft in partnership with central Agency for Information technology (CAIT)
3. ISC ALUMNI 2021 by Information Sciences department (Virtual).
4. InfoSec Summit 21 by Information Sciences department (Virtual).
5. MS Teams for App workshop (prepared & present) for KU students.
6. MS Teams workshop (prepared & present) for KU faculty.
7. Tutorial on Blackboard (in English) for the English Language Unit College of Education KU.
8. Technovation Families presented invention of Bird Tracker from AIDA Artificial Intelligence 4 Development agency.
9. 2020 Senior Division Finalist & 2020 Junior division Grand Prize from Technovation.
10. ISC ALUMNI 2021 by Information Sciences department.
11. 2<sup>nd</sup> International Conference on Computing Sciences and Engineering (ICCSE 2018).
12. Programming for beginners workshop, running the workshop for Click-It Club.
13. Job Fair Expo (participant with Click-It club).
14. PMI Agile Certified Practitioner.
15. Certified Manager Exam preparation course.
16. MS SharePoint Server 2010 Administration workshop.
17. 1<sup>st</sup> Annual Kuwait Breast Diseases and Oncoplastic Reconstruction surgery Conference.

## Teaching Experience

### Courses (Teaching):

Secondary & Highschool Computing Classes. (1998-2007)  
MS Office | Telecommunication Training Institute Kuwait (2005)  
MS Office | Law College - Kuwait University (2013)  
CLS-109 | Statistics IS department - Kuwait University (2018)

### Undergraduate Courses (Teaching Assistance):

ISC-100 | Fundamentals of Personal Computers  
CLS-109 | Statistics  
ISC-240 | Programming and Problem Solving  
ISC 241 | Data Structures  
ISC-340 | Web Programming  
ISC 450 | Communication Networks I  
ISC 471 | Interactive 3D Graphics Modeling

### Graduate Courses (Teaching Assistance):

MSIT-550 | Special Topics in Information Technology-I  
MSIT-551 | Special Topics in Information Technology-II  
MSCIS-575 | Special topics in Data & Knowledge Management I  
FSC-510 | Biostatistics  
MSIT 524 | Web Applications and Services



## Publications (Journal)

Bader Ali; Hanady M. Abdulsalam; **Sabah Almadani**; Paul Manuel (2023)  
Social Media Addictive Algorithms from the perspective of Kuwait Society.  
Journal of Engineering Research.  
<https://doi.org/10.1016/j.jer.2023.09.008>

S. BuHamra, A. Almutairi, A. Buhamrah, **S. Almadani**, and Y. Alibrahim (2022).  
An NLP tool for Data Extraction from Electronic Health Records: COVID-19  
Mortalities and Comorbidities. *Frontiers in Public Health*. Doi:  
10.3389/fpubh.2022.1070870.

Ayed Salman; Imtiaz Ahmad; **Sabah Al-Madani** (2002). Particle swarm  
optimization for task assignment problem. *Microprocessors and  
Microsystems*. Volume 26, Issue 8, 10 November 2002, Pages 363-37. Doi:  
[https://doi.org/10.1016/S0141-9331\(02\)00053-4](https://doi.org/10.1016/S0141-9331(02)00053-4)



## Conference Activities

### Conference (member of organizer team)

1. Women in Tech Summit 2021 H.I.A | by Microsoft in partnership with central Agency for Information technology (CAIT) (talk).
2. InfoSec Summit 21 | Cybersecurity and Resilience Monday by Information Sciences department (Virtual- organizer)
3. Technovation World Summit 2020 (Virtual - talk)
4. 2<sup>nd</sup> Kuwait Hackers Conference. (organizer)
5. First Annual Kuwait Breast Diseases & Oncoplastic Reconstruction surgery Conference | HSC Kuwait University (Contribution).

### Conferences (Attended):

1. Women in Tech Summit 2021 H.I.A – Her Inspire All by Microsoft in partnership with central Agency for Information technology (CAIT).
2. InfoSec Summit 21 | Cybersecurity and Resilience Monday by Information Sciences department (Virtual)
3. Technovation World Summit 2020 (Virtual)
4. 2<sup>nd</sup> Kuwait Hackers Conference.
5. 2<sup>nd</sup> International Conference on Computing Sciences and Engineering (ICCSE 2018]
6. Kuwait Digital Health conference
7. The 4<sup>th</sup> Cyber Security Conference (KIACS)



## Workshop Activities

### Workshop Prepared and presented:

1. MS Teams for App workshop for KU students
2. MS Teams workshop for KU faculty
3. Tutorial on Blackboard (in English) for the English Language Unit College of Education
4. C++ tutorial for the 7th Kuwait Collegiate Programming Contest (KCPC)
5. Programming for beginners workshop, Click-It Club for IS students
6. School Timetable using MS Excel for head teachers (high school).
7. implemented “Jadawel7 “ App for assistant principal. (Secondary school)
8. Logo programming, HTML & JavaScript, MS Windows workshops for schoolteachers.

### Workshop Attended:

1. PMI Agile Certified Practitioner
2. Certified Manager Exam preparation course
3. MS SharePoint Server 2010 Administration workshop

Mar 16, 2023

Jun 20, 2021

Aug 13-14, 2020

Feb 17-19, 2020

Feb 14-16, 2009

Dec 12, 2021

Jun 21, 2021

Aug 13-14, 2020

Feb 17-19, 2020

Mar 11-13, 2018

Dec 1<sup>st</sup> , 2019

Dec 2<sup>nd</sup> , 2019

Jun, 2020

Jul, 2020

Sep, 2019

Dec, 2016  
2006

2005  
2003-2004

Oct 10, 2013

Nov 26, 2013

Sep 30, 2012