

PhD. SAMER MAHMOUD SHORMAN

Tel: 00973-38360565

E-mail: samer.shorman@asu.edu.bh



EDUCATION

- University Science Islam Malaysia, Nilai, Malaysia, 2017. *PhD in Science and Technology.*
- Amman Arab University, Amman, Jordan, graduated 2006. *Master in Computer Science.*
- Amman Arab University, Amman, Jordan, graduated 2005. *High diploma in Computer Science.*
- Irbid National University, Irbid, Jordan, graduated 2002. *B.sc in Computer Science.*

HONORS & AWARDS

- October /2014 **Best presentation** Award in conference of University Science Islam Malaysia, Nilai, Malaysia.
- September/2014 Awarded a scholarship from University Science Islam Malaysia, to study Ph.D. in *Computer Science.*

QUALIFICATIONS SUMMARY

- HEA Fellowship, Higher Education Academy, UK Professional Standards Framework, ASU, 2021
- Strong teaching experience of different computer science and Computer information system courses
- Websites programming and development (ASP.Net, PHP, JavaScript, CSS and HTML5).
- Expert in several programming languages (C++, Visual Basic and Java)
- Developing relational database and database management systems (SQL Server, Access, and MYSQL).
- Good experience in Networks, CCNA and MCSA.

WORK EXPERIENCE

- ❖ **Assistant Professor (Full time)**, Applied Science University, Bahrain, Sep/2018 – Present.
- ❖ **Lecturer (Full time)**, AMA International University, Bahrain, June/2015 – 31/8/2017.
- ❖ **Research Assistant**, University Science Islam Malaysia, Department of Science and Technology Malaysia, 2014 – 2015.
- ❖ **Teaching Assistant**, University Science Islam Malaysia, Department of Science and Technology Malaysia, 9/2014 – 2/2015.
 - ✓ Taught undergraduate students with labs and Computer science lab assignments. I was the teaching assistant for the following courses: Lab of networking and Information Management System (SKJ3443).
- ❖ **Lecturer (Full time)**, Delmon University for Science and Technology, faculty of computer and information technology, Bahrain 10/2009 -30/7/2013.
 - ✓ Developed and prepared lectures and exams for the following undergraduate courses: Computer Networks, Database Systems, Web development, Programming languages (C++ and VB.net), Systems Analysis and Design, Introduction to Algorithms,
- ❖ **Lecturer (Part time)**, Applied Science University, from 6/2015 – now /2018, Bahrain
- ❖ **Lecturer (Part time)**, al balqa applied university, Irbid, Jordan, 9/2008 – 1/2009
 - ✓ Developed and prepared lectures and exams.
- ❖ **Supervising**, Delmon University for Science and Technology, faculty of computer and information technology, Bahrain 10/2009 -30/7/2013.
- ❖ **Research Cooperation**
 - ✓ Visiting the following Malaysian Universities, UKM, UM, UTEM,
 - ✓ Attend two workshops about scientific research:
 - 5/2014 Research Writing and publishing.
 - 5/2014, Research Methodology.
- ❖ **Faculty Member**
 - ✓ Committee Head of the Committee Student Services
 - ✓ Member of the Committee Scientific Research
 - ✓ Member of the Committee follow-up of graduates
 - ✓ Member of the Faculty Development Committee
 - ✓ Member of the E-learning Committee
 - ✓ Worked with curriculum committee in the department to reform and update the undergraduate and graduate program curriculum.
 - ✓ Worked with quality assurance committee in the faculty of information technology.

- ✓ **Super vision** on graduation project for undergraduate students, many project related with database applications and websites.
- ❖ **Manager** of Almazar social center, Jordan 9/2006 TO 6/2007.
 - ✓ Key responsibilities are distributed on 6 employees and more than 600 beneficiaries of our services.
- ❖ **Teacher** of secondary level Ministry of education, Jordan, 3/2/2003 TO 1/9/2006.
- ❖ **Instructor**, Almazar social center, Jordan, 2004 – 2007
 - ✓ Coach of robotics team, Almazar social center, Jordan, 2006 and 2007
 - ✓ Conducted a workshops “How to robotics work”.
- ❖ **Web programmer**
 - ✓ KSAJO Company, Irbid, Jordan, KSAJO, ASP.NET, 2007-2009.
 - ✓ FILSPAY Company, Bangi, Malaysia, only 6 months /2014, ASP.NET 2010.
- ❖ **Training on Human Development and management**

Prepared and presented workshops about:

 - ✓ Decision Making And Problem Solving
 - ✓ Strategic Planning And SMART Goals
 - ✓ Changing Management
 - ✓ Communication And Networking Skills
 - ✓ Presentation Skills
 - ✓ Leadership Skills
 - ✓ Project-Management Skills
 - ✓ Creative And Innovative

PUBLICATIONS

❖ Journals

- 1- **Samer Mahmoud Shorman** and Sakinah Ali Pitchay, 2015. “Significance of parameters in genetic algorithm, the strengths, its limitations and challenges in image recovery”. Article in Journal of Engineering and Applied Science 10(2):585-593
- 2- **Samer Mahmoud Shorman** and Sakinah Ali Pitchay, 2016. “A Review of Rain Streaks Detection and Removal Techniques for Outdoor Single Image”. Journal of Engineering and Applied Science, vol. 11, no. 10.
- 3- **Samer Mahmoud Shorman** and Sakinah Ali Pitchay, 2017. “Rain Streaks Removal Using Total Variation and Sparse Coding Based On Case Based Reasoning Approach”. Journal of Engineering and Applied Sciences Year: 2017, Volume: 12, Issue: 25 SI , Page No.: 7010- 7013
- 4- **Shorman, Samer Mahmoud**, Mohammad Allaymoun, and Omer Hamid. "Developing the E-Commerce Model a Consumer to Consumer Using Blockchain Network Technique." *International Journal of*

Managing Information Technology (IJMIT) Vol 11 (2019).

- 5- **Shorman, Samer Mahmoud**, and Mohammad Al-Shoqran. "Analytical Study to Review of Arabic Language Learning Using Internet Websites." *International Journal of Computer Science & Information Technology (IJCSIT) Vol 11 (2019).*
- 6- **Shorman, Samer Mahmoud**, and Sakinah Ali Pitchay. "Removing Rain Streaks From Single Images Using Total Variation." *The International Journal of Multimedia & Its Applications (IJMA) Vol10 (2018).*
- 7- **Shorman, Samer Mahmoud** "Internet of Things Application to development of Smart Classroom System", *International Review on Computers and Software (IRECOS) 14 (1), 22-26, 2019.*
- 8- Salah, R., Nekhili, R., **Shorman, S.**, & F Obada, A. S. (2019). Pancharatnam phase of two two-level atoms interacting with a time-dependent cavity field. *Information Sciences Letters, 8(2), 1*
- 9- **Shorman, Samer Mahmoud**, Mohammad Allaymoun "Authentication and Verification of Social Networking Accounts Using Blockchain Technology", *International Journal of Computer Science & Information Technology, Vol 11, 6 page 1- 11, 2019.*
- 10- **Shorman, Samer.** & Al-Shoqran, M.,(2021, March). Applications of Artificial Intelligence in COVID-19 Pandemic. In *European, Asian, Middle Eastern, North African Conference on Management & Information Systems* (pp. 313-321). Springer, Cham.
- 11- **Shorman, Samer.** & Alrababah, Z.,(2021). Review of Effects of the Virtual Reality in Education. In *The Big Data-Driven Digital Economy: Artificial and Computational Intelligence* (pp. 445-459). Springer, Cham.
- 12- **Shorman, S.** & Al-Shoqran, M.,(2021). A review on smart universities and artificial intelligence. *The Fourth Industrial Revolution: Implementation of Artificial Intelligence for Growing Business Success*, 281-294.

❖ Conferences

- 1- **Samer Mahmoud Shorman** and Sakinah Ali Pitchay (2014). Comparison Image Restoration Methods between Wiener Filter and Richardson Lucy Using SSIM. 10/2014 *University Science Islam Malaysia, Department of Science and Technology, Malaysia.*
- 2- **Samer Mahmoud Shorman** and Sakinah Ali Pitchay, 2015. "Removal Rain Streaks of Single Image Using Mixed Filters to Decompose the Color Images into RGB". *USIM colloquium.*
- 3- **Samer Shorman**, Empirical Study in Image Denoising Using Total Variation Based On Color Space, *ICITEE – Applied Science University, Bahrain, 2019.*
- 4- Moaiad Khder, **Samer Shorman** and Hajar AlManea, Online Educational Gaming System for Children with Autism, *ICITEE – Applied Science University, Bahrain, 2019.*

❖ Projects

- 1- **Moaiad Khder, Samer Shorman (2021, completed)** "This project aims to examine in detail the status of scientific research at the University of Applied Sciences and the various research directions

ONLINE SCIENTIFIC RESEARCH ACCOUNTS

- ✓ <https://www.scopus.com/authid/detail.uri?authorId=57215713705>
- ✓ ORCID <https://orcid.org/0000-0001-7498-1444>
- ✓ Arab research ID (ARID) : <http://arid.my/0001-0101>
- ✓ Academia : <https://usim.academia.edu/SamerShorman>
- ✓ Research Gate : https://www.researchgate.net/profile/Samer_Shorman
- ✓ Scholar Google: <https://scholar.google.com.my/citations?user=298XQ2cAAAAJ&hl=en>
- ✓ Thomson Reuters ID : <http://www.researcherid.com/rid/F-3103-2014>

RESEARCH INTEREST

- ✓ Image Processing
- ✓ Web Design Development
- ✓ Computer Education
- ✓ Artificial intelligent

SELECTION PROJECTS

- ✓ New Technology in Education, Irbid, Jordan, MOE with ChangeAgent for Arab Development and Education Reform (CADER), 1/1/2006 TO 1/12/2006
- ✓ Computers Technology in Education, , Irbid, Jordan, MOE and CADER, 2005
- ✓ From School To Carrier Project, , Irbid, Jordan, MOE and CADER,2005

COMPUTER SKILLS and TEACHING EXPERIENCE

❖ Programming Languages & Tools

- ✓ C++, Java, Microsoft Visual Basic, MS Access, MYSQL, Turbo Pascal, BASIC, and FORTRAN.

❖ Software and Applications

- ✓ Used many software such as: Linux operating system, Matlabe , Mendeley, Oracle VMware, Windows, MS-Office, Net School (teacher and students), Backup Programs, Android Program, Network Management, Format and Rapiet software

❖ Web Development Languages

- ✓ ASP.Net, SQL Server, HTML5, JavaScript, CSS, PHP, Windows Movie Maker.

❖ Teaching Undergraduate courses:

Computer Networks, Database Systems, Project management software, Web development (1 +2), Programming languages (Java, C++, Python and VB.net), Digital Logic Design, Systems Analysis and Design, Introduction to Algorithms, Introduction to Computer Science.

TRAINING & CERTIFICATES

- ✓ Intended Learning Outcomes (ILOs): Understanding, Thinking, Practical, and Transferable.
- ✓ How to prepare Syllabuses
- ✓ How to prepare exams according to quality concepts, Intended Learning Outcomes (ILOs)
- ✓ Jury member of the debating competition between universities in Bahrain 2013.
- ✓ Excellent research skills.
- ✓ Writing and presenting papers and reports
- ✓ CCNA, MCSA Cisco router

MEMBERSHIP OF PROFESSIONAL SOCIETIES

- ✓ Member of IEEE
- ✓ Member of Chartered Institute for IT (BCS)
- ✓ Member of Technology & Business Society (TBS) in Bahrain

VOLUNTEER WORK

- ✓ Applied Science University, community engagement
- ✓ Worked in the care of orphans in the Al-Mazar social center
- ✓ Conduct many workshop for general society related with computer skills and self development

LANGUAGE SKILLS

- ✓ Arabic: Native Language.
- ✓ English: Very Good: ILETS, British Council, Malaysia, band score = 5 on 24/5/2014.