

Curriculum Vitae

Personal Data:

Name: Bassam Mohammad ELZaghmouri
Place & Date of Birth: Saudi Arabia, March-9-1971
Sex: Male
Marital Status: Married
Children: 3
Nationality: Jordanian
Address: P.O.Box 2328, Amman 11821, Jordan
Tel + Fax: (009626) 5521952
Mobile: (00962) 796340332
E-mail: el_zaghmouri@yahoo.com Or b.el-zaghmouri@jpu.edu.jo



Education:

- PH. D Degree in Computer Information Systems /Artificial intelligence, University of Banking and Financial Sciences, Jordan (2011) .
- Master's Degree in Information Systems, Arab Academy for Banking and Financial Sciences, Jordan (2000).
- High Diploma in Information Systems, Arab Academy for Banking and Financial Sciences, Jordan (1999).
- B.Sc. Degree in Hospital Administration, University of Amman, Jordan (1995).
- General Secondary Education Certificate, Ibn-Sena- School, Saudi Arabia (1988).

Languages:

- Arabic: Excellent (Mother Tongue).
- English: Excellent (Written and spoken).

Working Experience:

- 2018 till Now Associate Professor Computer Science Department.Faculty of Computer Science and Information Technology,Jerash University, Jordan Amman Tel:26350522.
- 2023-2024 Head of Computer Science Department .Faculty of Computer Science and Information Technology,Jerash University, Jordan Amman Tel:26350522.
- 2012 till 2022 Head of Computer Science Department.Faculty of Computer Science and Information Technology,Jerash University, Jordan Amman Tel:26350522.
- 2014 -2015 now Head of Graduate Studies, Jerash University, Jordan Amman Tel:26350522
- 2011-2012 Assistant Professor and Coordinator of Quality Assurance .Faculty of Computer Science and Information Technology,Jerash University, Jordan Amman Tel:26350522.
- 2008-2012 Head of Applied Arts and Information Technology Dept, Al-Andalus Collage,Jordan Amman Tel: 5827125.
- 2010-2011 Manager Department of Computer, Amaken Plaza Hotel, Jordan Amman Tel: 5340406.
- 2000-2011 lecturer, The Arab Collage, Jordan Amman Tel: 5519101/5519102.
- 2008 Part-time lecturer, NewHorizons , Jordan Amman Tel: 5672119.
- 2000-2003 Part-time lecturer, The Arab Academy For Banking And Financial Sciences "AABFS",Jordan Amman Tel: 5332151/5332205.
- 2002-2003 Part-time lecturer, Alisra Private UNV, Jordan Amman Tel: 4711710/4711830 .
- 2002-2007 Part-time lecturer, Princess Alia UNV Collage, Jordan Amman Tel: 5689269.
- 2001-2002 Part-time lecturer, Al-Fashir UNV, Jordan Amman Tel: 5657058/5657810.
- 2001-2004 Part-time lecturer, The Kadecy Collage, Jordan Amman Tel: 5661118/5661119.
- 1999-2000 MIS officer, Multi Base Systems company, Jordan Amman Tel: 5538528.

Training Courses:

- ❑ Introduction to Oracle RDBMS Ver.8. International Training and Consulting Center (ITCC), October-3-1998.
- ❑ Oracle Developer / 2000 (Forms 4.5 Part A and Part B), International Training and Consulting Center (ITCC), October-14-1998.
- ❑ Oracle Developer / 2000 (Reports 2.5), International Training and Consulting Center (ITCC), November-7-1998.
- ❑ Oracle Ver.7 database Administration, International Training and Consulting Center (ITCC), November-17-1998.
- ❑ Oracle Designer / 2000 (Release 2.1), International Training and Consulting Center (ITCC), December-19-1998.

- ❑ Java Script. The Arab Academy for Banking and Financial Sciences, February -1/-1998.
- ❑ Local Computer Net Work (LAN). The Arab Academy for Banking and Financial Sciences, March-11-1998.
- ❑ Windows NT 4.0 Administration, The Arab Academy for Banking and Financial Sciences, May-3-1998.
- ❑ Information Technology and Corporate Computerization, The Arab Academy for Banking and Financial Sciences, November-12-1997.
- ❑ Server Side Programming , Computer Training Center (CompuLearn) , April-29-2001.

Computer Knowledge & Skills:

- ❑ Computer Languages: Python , C++ , Java , Java Script , CSS , Perl , VBA,CGI , ASP.net , VisualBasic , Visual C++ , Front Page 2021 , HTML5 , XML , PHP .
- ❑ DataBase Management Systems : MS Access 2021 , Oracle Developer 11g .SQL Server
- ❑ CASE Tools: Oracle Designer / 2000 (R2.1) , Power Designer (R6.1).
- ❑ Planing & Representation Tools: MS Project 2021 , MS PowerPoint 2021.
- ❑ Reporting & Doc. Tools: MS Excel 2021 , MS Word 2021, Visio v7.0.
- ❑ Operating Systems: Windows 11 , Windows Server .

Membership of Committees:

- Member of the Jordanian Academicians Society.

Publications:

Journals:

- Abdulbasid Banga, Nadeem Iqba, Atif Ikrarn,Nisreen Innab , Ala Saleh,**Bassam Mohammad ElZaghmouri**, and Hossam Diab,"ChessCrypt: Enhancing Wireless Communication Security in Smart Cities through Dynamically Generated S-Box with Chess-Based Non Linearity", Scientific Reports Journal, ISSN: 2045-2322 , Volume 14 , Issue 1, Nov 2024.
DOI: <https://doi.org/10.1038/s41598-024-77927-0>
- **Bassam Mohammad Elzaghmouri**, yosef Hasan Fayez Jbara, Mohammed Awad Mohammed Ataelfadiel, Asef Al-Khateeb, Motasem AbuDawas, Binod Kumar Pattanayak,"Structural MRI classification in Alzheimer's disease using CNN-XGBoost: An early diagnosis", African Journal of biomedical Research, ISSN: 1119-5096 , Volume 27 , Issue 3S, Oct 2024.
DOI: <https://doi.org/10.53555/AJBR.v27i3S.2881>
- Ahmad Bany Doumi, Feras E. Abualadas , Mohammed M. Abu Shquier, Mahmoud Asassfeh , **Bassam Mohammad Elzaghmouri**," Enhanced EBGM to Recognize Faces Effected by Occlusions and Common Variations" , Journal of Advanced Research in Applied Sciences and Engineering Technology, ISSN: 2462-1943 , Volume 75 , Issue 1, Jul 2026.
DOI: <https://doi.org/10.37934/araset.57.1.211239>
- **Bassam Mohammad Elzaghmouri**,yosef Hasan Fayez Jbara ,Said Elaiwat,Nisreen Innab,Ahmed Abdelgader Fadol Osman , Mohammed Awad Mohammed Ataelfadiel, Farah H. Zawaideh, Mouiad Fadeil Alawneh, Asef Al-Khateeb, Marwan Abu-Zanona," A Novel Hybrid Architecture for Superior IoT Threat Detection Through Real IoT Environments", CMES-Computer Modeling in Engineering & Sciences, ISSN: 1526-1492 , Volume 80 , Issue 4, Oct 2024. DOI: <https://doi.org/10.32604/cmc.2024.054836>

Nisreen Innab, Ahmed Abdelgader Fadol Osman, Mohammed Awad Mohammed Ataelfadiel, Marwan Abu-Zanona , **Bassam Mohammad Elzaghmouri**, Farah H. Zawaideh, Mouiad Fadeil Alawneh,"Phishing Attacks Detection Using Ensemble Machine Learning Algorithms" , CMES-Computer Modeling in Engineering & Sciences, ISSN 1526-1492, Volume 80 , Issue 1, Jul 2024. DOI: <https://doi.org/10.32604/cmc.2024.051778>

- **Bassam Mohammad Elzaghmouri**, yosef Hasan Fayeze Jbara, Said Elaiwat, Mohammed Awad Mohammed Ataelfadiel, Ahmed Abdelgader Fadol Osman, Asef Al-Khateeb, Marwan Abu-Zanona, Binod Kumar Pattanayak, " IOT Based Model for COVID Detection from CTScan Images Using Deep Learning ", *Journal of Electrical Systems*, ISSN 1112-5209, Volume 20 , Issue 3, Jan 2024.
 - Khurram Shahzad, Marwan Abu-Zanona, **Bassam Mohammad Elzaghmouri**, Saad Mamoun AbdelRahman, Ahmed Abdelgader Fadol Osman, Asef Al-Khateeb, " USING ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING APPROACHES TO ENHANCE CANCER THERAPY AND DRUG DISCOVERY ", *Journal of Ayub Medical College, Abbottabad, Pakistan*, ISSN 1025-9589 , Volume 36 , Issue 1, Feb 2024.
 - **Bassam Mohammad Elzaghmouri**, Ahmad Khader Habboush, Lucy Dash , Binod Kumar Pattanayak, Ahmed Abdelgader Osman, Mohammed Awad Ataelfadiel, Asef Al-Khateeb, "Architecture and Technologies of 6G Network" , *Journal of Southwest Jiaotong University*, Volume 59 , Issue 1, Feb 2024.
DOI: <https://doi.org/10.35741/issn.0258-2724.59.1.11>
 - **Bassam Mohammad Elzaghmouri**, Ahmad Khader Habboush, Marwan Abu-Zanona Suprava Ranjan Laha, Binod Kumar Pattanayak, Saumendra Pattnaik, Bibhuprasad Mohanty," Securing Industrial IoT Environments through Machine Learning-Based Anomaly Detection in the Age of Pervasive Connectivity ", *International Journal of Intelligent Systems and Applications in Engineering (IJISAE)*, ISSN 1247-6799, Volume 12, Issue 2, Jan 2024.
 - Ahmad Khader Habboush , **Bassam Mohammad Elzaghmouri**, Binod Kumar Pattanayak , Saumendra Pattnaik, Rami Ahmad Haboush, " An End-to-End Security Scheme for Protection from Cyber Attacks on Internet of Things (IoT) Environment ", *Tikrit Journal of Engineering Sciences*, ISSN 2312-7589, Volume 30, NO. 4, Dec 2023.
DOI: <https://doi.org/10.25130/tjes.30.4.16>
 - Said Elaiwat , Mohammad Azad, Mohammad Alam, Marwan Abo-zanona, **Bassam Elzaghmouri**, Hani Omar, " Advancing Cephalometric Soft-Tissue Landmark Detection: An Integrated AdaBoost Learning Approach Incorporating Haar-Like and Spatial Features ", *International Information and Engineering Technology Association (Traitement du Signal)*, ISSN 0765-0019, Volume 40, NO. 6, Dec 2023.
DOI: <https://doi.org/10.18280/ts.400649>
- Bassam Mohammad Elzaghmouri**, Ahmad khader habboush, " Security Life Cycle framework for Exploring & Prevention of Zero day attacks in Cyberterrorism", *International Journal of Computer and Communication Technology*, ISSN 2231-0371, Volume 9, Issue 1, Jul 2023. DOI: <https://doi.org/10.47893/ijcct.2023.1439>
- Padmini Mansingh, Binod Kumar Pattanayak, Bibudhendu Pati, **Bassam Elzaghmouri** and Ahmad Khader Habboush , " PREMORBID BRAIN VOLUME AGAINST ALZHEIMER'S DISEASE USING BIG MEDICAL DATA ANALYSIS", *ARPN Journal of Engineering and Applied Sciences*, ISSN 1819-6608, Volume 18, Issue 8, Apr 2023. DOI: <https://doi.org/10.59018/0423129>
- M. M. Kamruzzaman, Saad Alanazi , Madallah Alruwaili , Nasser Alshammari, Said Elaiwat, Marwan Abu-Zanona, Nisreen Innab, **Bassam Mohammad Elzaghmouri** and Bandar Ahmed Alanazi, " AI- and IoT-Assisted Sustainable Education Systems during Pandemics, such as COVID-19, for Smart Cities ", *Sustainability, MDPI* , ISSN 2071-1050 , Volume 15, Issue 10, May 2023.
DOI: <https://doi.org/10.3390/su15108354>
- Nibedita Jagadev, Binod Kumar Pattanayak , Ahmad khader habboush , **Bassam Mohammad Elzaghmouri**, Mahmoud Ali Al Shugran, " Adaptive Bandwidth Management Model for Wireless Mobile Ad-Hoc Network", *International Journal of Computer Networks & Communications (IJCNC)*, ISSN: 0974-9322 , Volume 15 Issue 1, Jan 2023. DOI: [10.5121/ijcnc.2023.15106](https://doi.org/10.5121/ijcnc.2023.15106)
- Marwan Abu-Zanona and Anmar Abuhamdah , **Bassam El-Zaghmouri**, " Arabic Handwritten Character Recognition Based on Contour Matching and Feed-Forward Neural Network", *Computer and Information Science*, ISSN 1913-8989 , Volume 12, Issue 2, Oct 2019.
 - **Bassam. El-Zaghmouri** " Contents Based Arabic Documents Classification", *Research Journal of Applied Sciences (Medwell)*, ISSN: 1815-932x , Volume 13 Issue 3, Mar 2018.

- Marwan Abu-Zanona and **Bassam. El-Zaghmouri** " Hybrid Fingerprint Recognition Algorithm Based on Self Organized Map Neural Networks", International Journal of Computer Science Issues (IJCSI), ISSN: 1694-0784 , Volume 11, Issue 1, Jan 2016.
- Haboush, A., AL-Badareen, A. B., Alnabhan, M., Al-nawayseh, M. and **EL-Zaghmouri, B.** "Investigating Software Maintainability Developme: A case for ISO 9126", International Journal of Computer Science Issues (IJCSI), ISSN: 1694-0784 , Volume 11, Issue 2, Apr 2014.
- Alnabhan, M., Haboush, A., AL-Badareen, A., Al-nawayseh, M., & **EL-Zaghmouri, B.**" An Evaluation Framework for Requirements Definition of Software Development", Journal of Convergence Information Technology, ISSN: 2233-9299, Volume-9, Issue-2, Mar,2014
- **Bassam. El-Zaghmouri** and Marwan Abu-Zanona ,” Protein Family Recognition based on Fuzzy Logic”, International Journal of Emerging Research in Management and Technology (IJERMT) ISSN: 2278-9359, Volume 4, Issue 4, Apr 2013.
- Marwan Abu-Zanona and **Bassam. El-Zaghmouri**,” Adaptive Iris Localization And Recognition: Modification On Daugman’s Algorithm ”, International Journal of Computer Science and Information Security (IJCSIS) ISSN: 1947-5500, Volume 11, Issue 2, Feb 2013.
- Marwan Abu-Zanona and **Bassam. El-Zaghmouri**,” Current Arabic (Hindi) Hand Written Numbers Segmentation and Recognition Advance Image Processing and Neural Network”, Journal of Emerging Trends in Computing and Information Sciences (cisjournal) ISSN: 2079-8407, Volume 3, Issue 6, June 2012.
- Anmar Abuhamdah and **Bassam. El-Zaghmouri**, Anas Quteishat and Rawnaq Kittaneh , “ Hybridization between Iterative Simulated Annealing and Modified Great Deluge for Medical Clustering Problems”, World of Computer Science and Information Technology Journal (WCSIT) ISSN: 2221-0741, Volume 3, Issue 2, Jun 2012.
- **Bassam El-Zaghmouri** and Marwan Abu-Zanona ,”Fuzzy C-Mean Clustering Algorithm Modification and Adaptation for Applications”, World of Computer Science and Information Technology Journal (WCSIT) ISSN: 2221-0741, Volume.2, Issue 5, Mar 2012.

Conferences:

- **Bassam M. El-Zaghmouri**” Multicasting Ad-Hoc Network Based on Genetic Algorithm Approach “,International Conference on Advances in Business Management and Information Technology (ICABMIT),23rd - 24th June, 2019, Houston, Texas,USA.
- **Bassam M. El-Zaghmouri**" Speech Recognition Using Neural Networks", International Conference on Computing, Communication and Control Engineering, ISBN 978-93-84422-20-2 (IC4E'2015), May 22-23, 2015 Dubai (UAE).

Taught Courses :

1. Programming language .
2. Computer Simulation.
3. Introduction to Internet Programming.
4. Artificial Intelligence.
5. Computer Information Systems.
6. Internet Programming.
7. Database systems.
8. Information Retrieval.
9. Data Mining.

References:

- **Prof. Asum Al-Shak**, Dean Computer Information System Dept, University of Banking and Financial Sciences, Amman Jordan.
- **Prof. Riyad Farhan Al-Shalabi**, Computer Information System Dept, Petra University, Amman Jordan.
- **Prof.Ghassan Ghazi Kanaan**, Computer Information System Dept, Petra University, Amman Jordan.