CURRICULUM VITAE

PERSONAL INFORMATION

Full Name	: Mahmoud M. A. Jazzar.
Date and Place of Birth	: 08/9/1977, Tulkarem - West Bank, Palestine.
Marital Status	: Married with Children.
Nationality	: Palestinian.
Current Employer	: Palestine Technical University - Kadoorie.
Designation Held	: Director, Department of Academic Quality.
Previous Employer	: Royal University for Women, Bahrain.
Designation Held	: Dean, College of Information Technology.

CONTACT INFORMATION

Deanship of Planning, Development and Quality
Palestine Technical University - Kadoorie.
State of Palestine.
www.ptuk.edu.ps

Tel: + 9 2688199   **Fax:** + 9 2677922
Email: mjazzar2016@gmail.com;
        mjazzar@ptuk.edu.ps

Jawwal PS Mobile: + 598750214

OBJECTIVE

A full-time academic position such that to demonstrate my experience, skills and contribute the best I can for teaching & learning, research & development, and community.

ACADEMIC QUALIFICATIONS

❖ Ph.D. in Computer Science (Computer Network Security) from **Universiti Sains Malaysia** (USM), Pulau Pinang, Malaysia. August 2009. http://www.cs.usm.my/
   Thesis: An Integrated Approach Using Self Organizing Maps and Fuzzy Cognitive Maps for Network Intrusion Detection.
❖ M.Sc. in Computer Science (Software Engineering) from the **University of Mysore**, Mysore, December 2001. http://www.uni-mysore.ac.in/
   Dissertation: Parsing Relational Algebraic Expressions: a comparison and model development study.
❖ B.Sc. (Hons) in Computer Science and Application from **Aligarh Muslim University** (AMU), Aligarh, September 1998. http://www.amu.ac.in/
   Senior Project: Aligarh Junction Railway Reservation System.

AWARDS

➢ ACIS-SNPD Outstanding Research Award. Phuket – Thailand. August 2008.
➢ Senior Research Officer Award, SRG – USM, Penang – Malaysia. June 2008.
➢ Research Writing and Publication Award, Royal University for Women, Kingdom of Bahrain. June 2013.
➢ Best Research Paper and Poster Award. RUW Conference. Kingdom of Bahrain, April 2016.
➢ Research Writing and Publication Award, Royal University for Women, Kingdom of Bahrain. June 2017.
➢ Coordinating International Project Award. Palestine Technical University Kadoorie. 2019

RESEARCH GRANTS

➢ A Hybrid (Neural Network and Fuzzy Logic) Approach for a Better Intrusion Detection System (IDS) Architecture to Counter Intrusion, Espionage, and Cyber-Warfare. Science Fund (2006).
➢ Optimizing Anti-Virus Detection by Using Genetic Algorithm. USM Short Term Fund (2009).

EMPLOYMENT

Mar 2019 – Present	*Director* *Academic Quality Department* *Palestine Technical University - Kadoorie* *State of Palestine.* *Duties and Key Responsibilities:* - Building an internal quality assurance system at the university level, colleges and departments through continuous performance measurement, evaluating educational processes periodically, and by working hard to improve them. - Propose internal academic evaluation criteria, review and develop our own measurement tools. - Coordination and supervision of the university's preparations for the implementation of institutional evaluation processes, internal and external programs. - Representing the university with internal and external entities related to quality, and establishing professional relationships

	and community partnerships between the university and other institutions distinguished in the application of quality regulations. - Evaluating academic programs before submitting them to the National Authority for Accreditation and Quality in higher education institutions in order to ensure that they meet the requirements of the authority. - Spreading the quality culture at the university level and providing staff and students with the skills required to implement new procedures and working mechanisms. - Propose awards for excellence in quality, set standards and supervise their implementation. - Receiving complaints and suggestions about the quality of academic processes and the general environment at the university from students and staff and proposing appropriate recommendation. - Preparing periodic reports on quality activities and achievements at the university and department level.
Nov 2017– 18	*Director* *Kadoorie Center for Learning and Teaching Innovation* *Palestine Technical University - Kadoorie* *State of Palestine.* *Duties and Key Responsibilities:* ✓ Fostering creativity and innovation in Learning & Teaching ✓ Promotes research based pedagogies that advance learning-centered teaching ✓ Disseminate Blended and eLearning culture among students and staff ✓ Support academics and staff PD ✓ Academic programs enhancements and educational development ✓ Consultation with academic departments on teaching and learning, curriculum development, and programs recognitions & accreditation ✓ Raise PTUK profile in teaching & learning ✓ Teaching computing specialised courses.
Jan 2013 – Aug 2017.	*Dean, College of IT* *Royal University for Women, Riffa, Kingdom of Bahrain.* *Duties:* ✓ Responsible for the management of the academic administrative, financial affairs, development as well as the

<table>
<tr>
<td></td>
<td>

scientific research.
- ✓ Contributing to the planning and implementation of the decisions of the Faculty Council, Dean's Council and the University Senate.
- ✓ Maintaining documentation on the college on a regular basis.
- ✓ Teaching at least 3 courses per semester.

Key Responsibilities:

- ✓ **Management of the College**
  The Dean is the executive head of the faculty concerned and, as academic leader, is responsible for the implementation of the strategic plan within the faculty.
- ✓ **Teaching, Learning and Assessment**
  Effective and focused implementation of the University's Teaching and Learning Policy within the college, contribute to the Institutional Listing, Institutional and Programme Accreditation.
- ✓ **Research, Consultancy and Continuing Education Activities**
  The responsibility within the college for the effective and appropriate implementation of the research policy and strategy of the University, and for setting up the necessary structures that will ensure effective research in the faculty.
- ✓ **Service to the Community.**
- ✓ **The Dean, in consultation with the Academic Vice-President and Human Resources Department, is responsible for the effective implementation of the University's strategic plan in terms of human resources within the college.**

</td>
</tr>
<tr>
<td>Sept. 2012 – Jan 2013.</td>
<td>

Acting Dean and Head of Dept.
College of IT, Royal University for Women, Riffa, Bahrain.

Duties:
- ✓ Responsible for ensuring effective management and delivery of the department's programmes and related courses and the overall standard and quality of academic, pastoral and administrative issues pertaining to the programmes.
- ✓ Teaching at least 3 courses per semester.

Key Responsibilities:
- ✓ Ensure that the syllabus/Curriculum meets the standards of the particular disciplinary field and maintains currency and

</td>
</tr>
</table>

	relevance to published research findings.
	✓ Maintain awareness of general teaching methods being applied across the programme.
	✓ Maintain the Efficiency of the Programmes.
	✓ Maintaining Academic Standards.
	✓ Maintaining the Effectiveness of Quality Management and Assurance of the Programmes.
	✓ Inviting speakers from inside and outside the country to participate in the University-organised events.
Sept. 2009 - August 2012.	***Assistant Professor*** ***College of IT. Dept. of Computer Science.*** ***Birzeit University, Birzeit, Palestine.*** **Duties:** ✓ Teaching computer science and Information Technology; as well as maintain and develop activities relevant to the profession or discipline. ✓ Research and development. **Key Responsibilities:** ✓ Teaching undergraduate and postgraduate courses in Computer Science and/or another area of expertise. ✓ Supervising student teaching. ✓ Taking responsibility for academic duties (i.e. setting examination questions, marking, pastoral support of students) required to sustain the delivery of high quality teaching. ✓ Preparing courses specification. ✓ Continuously improving methods of teaching and learning, including developing a comprehensive teaching portfolio, and contributing to the continuous development and improvement of learning and teaching across the University. ✓ Maintaining a broad knowledge of up to date research and scholarship in relevant fields to ensure that teaching meets the standard expected within a research-led University. ✓ Supporting and comply with the University and Departmental teaching quality assurance standards and procedures including the provision of such information as may be required by the University. ✓ Preparing for theoretical and practical classes. ✓ Selecting appropriate textbooks and, where so agreed,

	creation of the same. ✓ Participating in syllabus and curriculum design. ✓ Reviewing and updating Curriculum programmes to meet latest international standards. ✓ Writing materials to strengthen the curriculum and assist students to easily understand the subject. ✓ Developing courses. ✓ Ensuring that students are continuously encouraged to participate in conferences and exhibitions. ✓ Encouraging student to do their assignment and papers that allow them to participate in the events. ✓ Organising, conducting and attending workshops, seminars, conferences, exhibitions inside and outside the country. ✓ Participating in the specialised events.
Sept. 2009 - Dec 2010.	**Assistant Professor (Part-Time)** **College of Science. Dept. of Computer Science.** **Al-Quds University, Jerusalem, Palestine.** **Duties:** ✓ Teaching undergraduate and postgraduate computer science and Information Technology courses; as well as maintain and develop activities relevant to the profession or discipline. ✓ Research and development.
Sept 2005 – August 2009	**Pursuing a Ph. D with USM, Malaysia.**
Sept. 2008 – August 2009	**A Research Officer (RO)** **School of Computer Sciences** **Universiti Sains Malaysia (USM), Penang, Malaysia.** RO Under the University Science Grand for Supervising and Guiding the Project Titled: A Hybrid (Neural Network and Fuzzy Logic) Approach for a Better Intrusion Detection System (IDS) Architecture to Counter Intrusion, Espionage, and Cyber-Warfare. In addition, RO under the USM Short Term Fund for Optimizing Anti-Virus Detection by Using Genetic Algorithm.
Sept. 2004 – August 2005.	**Computer Sc. & Networks Lecturer.** **Curtin University of Technology, Sarawak Campus, Malaysia.** **Duties:** ✓ Teaching computer science and Information Technology; as well as maintain and develop activities relevant to the profession or discipline.

	✓ Research and development. **Key Responsibilities:** ✓ Teaching Computer Science and engineering courses. ✓ Supervising student teaching. ✓ Taking responsibility for academic duties (i.e. setting examination questions, marking, pastoral support of students) required to sustain the delivery of high quality teaching. ✓ Coordinate with Curtin-Perth instructors. ✓ Supporting and comply with the University and Departmental teaching quality assurance standards and procedures including the provision of such information as may be required by the University. ✓ Preparing for theoretical and practical classes.
Jan 2001 – August 2004.	***Computer Sc. & ICT Lecturer.*** ***Al-Quds Open University – Qalqelia Study Centre. West Bank-Palestine.*** ***Duties:*** ✓ Teaching computing and Information Technology courses; as well as maintain and develop activities relevant to the profession or discipline. ✓ Research and development.
Sept 2002 – Jan 2003. `	***Computer Sc. & ICT Lecturer (Part-Time)*** ***Arab American University, West Bank- Palestine***. ***Duties:*** ✓ Teaching computer science and Information Technology courses; as well as maintain and develop activities relevant to the profession or discipline. ✓ Research and development.

SPECIALIZATION

Area: *Computer Systems*
- ❖ Network Monitoring and Intrusion Detection
- ❖ Computer and Network Security
- ❖ Smart Technologies
- ❖ Computer and Cyber Forensic
- ❖ Web Intelligence and Cognition Technology

RESEARCH INTEREST

- ❖ Network Monitoring and Intrusion Detection
- ❖ Computer and Network Security
- ❖ IoT and Smart Technologies
- ❖ Clouds and Clouds Security
- ❖ Computer Forensics
- ❖ Knowledge Discovery and Malware
- ❖ Intelligent systems and Software Engineering
- ❖ IT Governance and privacy

WORKSHOPS/SEMINAR AND COURSES

Date	Details and Location
April 2-5, 2019	Entrepreneurship and Innovation in Higher Education. FESTEM Workshop, Middlesex University London, UK.
June 20-26, 2018	FORC – Pathway in Forensic Computing. Training Workshop and Project Meeting for the FORC Project Co-funded by the Erasmus+ of the European Union. University of Cagliari. Cagliari – Italy.
February 7, 2018	AQAC Palestinian Universities Workshop On: الابتكار والاختلاف والابداع مقابل التكرار والنمطية في البرامج الاكاديمية في مؤسسات التعليم العالي الفلسطيني
February 12-16, 2017	Pathway in Forensic Computing: A training programme organized by Middlesex University for the FORC Project Co-funded by the Erasmus+ of the European Union. London, United Kingdom.
April 11-13, 2018	Kick off meeting of the Fostering Entrepreneurship in Science, Technology, Engineering and Mathematics (FESTEM) - ERASMUS+ Projects, Universität Siegen, German.

October 30, 2017	Institutional Accreditation: Principles and Practice. AQAC Palestinian Universities Workshop, delivered by: Ronald L. Baker, Ed. D. Founder and president of Baker Collegiate Consulting Fulbright Senior Specialist: Accreditation and Quality Assurance Commission Project.
October 10, 2017	Seminar: Towards a Palestinian Software Engineering Institute: A Regional Silicon Valley to Aspire, delivered by the Head of the Software Engineering Research Group, University of the West of England, Bristol, UK in partnership with PTUK Palestine.
April 25-27, 2017	Cyber Security in the Cloud Workshop, West Virginia University in Partnership with RUW, Kingdom of Bahrain.
November 17, 2016	Workshop on Fellowship Writing, Higher Education Academy in Partnership with RUW, Kingdom of Bahrain.
November 15-16, 2016	Workshop on Assessment and Feedback, Higher Education Academy in Partnership with RUW, Kingdom of Bahrain.
October 18, 2016	Symposium on Transforming Teaching: Celebrating Success Across the Middle East. University of Bahrain.
September 7-8, 2016	Teaching Excellence Workshop, Higher Education Academy in Partnership with RUW, Kingdom of Bahrain.
February 3, 2016	Workshop on Qualifications Placement process, General Directorate of the National Qualifications Framework, National Authority for Qualifications & Quality Assurance of Education and Training, Bahrain.
February 24, 2016	Accelerating the ICT skills in the Kingdom of Bahrain.
January 6, 2016	CIT Curriculum Review and Employability Workshop, Bahrain.
February 18, 2016	Blended Learning Workshop, RUW, Bahrain.
Sept. 17-19, 2015	Workshop on Academic Advising and Projected Gardes, RUW, Bahrain.
October 18-10-2015	Workshop on Course folders, RUW, Bahrain
October 11, 2015	Workshop on ADRI Model, RUW, Bahrain.
October 20, 2015	Workshop on Turnitin, RUW, Bahrain.
June 9-11, 2015	HEC Skills and recruitment workshop, Gulf Hotel, Bahrain.
April 23, 2015	UoB Workshop on Assessment Design, RUW, Bahrain.
April 28, 2015	Workshop on "The Role of Invigilators", RUW, Bahrain.
February 21-24, 2015	Mapping Qualifications to the NQF - Ta'seel Staff development workshop, RUW, Bahrain.
January 19, 2015	Writing ILOS (PILOs & CILOs), Royal University for Women, Bahrain.
January 21, 2014	1st research writing and publishing seminar, Intercontinental Hotel, Bahrain.
December 9, 2014	Institutional Listing Capacity Building Workshop, NAQQAET Building, General Directorate of NQF, Bahrain.
November 5, 2014	Institutional review and an introduction to the ADRI model. RUW, Bahrain.
November 9, 2014	Workshop for Top Management and Department Heads (Institutional Review).
November 30, 2014	Teaching, Report Writing and Market Research Workshop, RUW,

	Bahrain.
October 23, 2014	NQF: A New Dimension to Knowledge Economy" – Reflections on the Pilot Phase, Ramee Grande Hotel, Seef, Bahrain.
April 22-23, 2014	Mobile Apps: Bahrain international e-Government forum.
April 10, 2014	IQR Cycle 1: In perspective, Royal University for Women, Bahrain.
April 24, 2014	IQR Cycle 2: The ADRI Model, Royal University for Women, Bahrain.
Sept 15, 2014.	Bridging the Gap: Introducing innovative solutions for smarter services. Gulf Future Business and Link Development, Gulf Hotel, Bahrain.
December 26, 2013	Assessment Tools: Designing Question Papers, Royal University for Women, Bahrain.
December 12, 2013	Meet ICT 2013, Bahrain International Exhibition and convention Centre. Bahrain.
November 5, 2013	Course Portfolio Development, Royal University for Women, Bahrain.
November 11, 2013	Program Self-Evaluation Report, Royal University for Women, Bahrain.
October 30-31, 2013	University-Wide Outcomes-Based Assessment workshop, RUW, Bahrain.
October 29, 2013	Development of Outcomes-Based Assessment Framework, Royal University for Women, Bahrain.
February 19, 2013	HEC- Quality Reviews: External Reviewer Readiness, Gulf Hotel – Bahrain.
November 20-21, 2012	HEC - Academic Leadership Workshop, Movenpick Hotel, Bahrain.
October 9, 2012	HEC and MIT Workshop on The role of quality assurance in ensuring that the students get the best quality education. Sofitel Hotel, Zallaq, Bahrain.
September 25, 2012	HEC Workshop on Programmes-within-College Reviews for IT, Kempinski Hotel, Bahrain.
February 2011	Protecting Computer Networks with Security Devices, Birzeit University.
March 2010	Ethical Hacking Seminar, Birzeit University.
April 2010	ILOs and Quality Assurance Seminar, Birzeit University.
April 2008	Workshop on Modern Trends in the Theory of Languages and Automata, USM, Malaysia.
May 2007	Linux Programming and Security, University Sains Malaysia.
February 2005	Tertiary Teaching, Curtin Sarawak Malaysia.

TEACHING EXPERIENCE

- ❖ Cybercrime
- ❖ Information security
- ❖ Computer Forensics
- ❖ Machine Learning
- ❖ Object Oriented Programming
- ❖ Programming languages: BASIC, PASCAL, C, C++, JAVA
- ❖ Computer Security
- ❖ Computing Ethics
- ❖ Operating System and Linux
- ❖ System Analysis & Design
- ❖ Software Engineering
- ❖ Computer Algorithms and Data Structure
- ❖ Concepts of Prog. Languages
- ❖ Computer Organization and Architectures
- ❖ Computer Networks
- ❖ Data Communication
- ❖ Computer Networks and Data Communications (Master Degree Course)
- ❖ Cryptography and Network Security (Master Degree Course)
- ❖ Distributed and Parallel Computing (Master Degree Course)
- ❖ Computer Security
- ❖ Data and Information Security (Master Degree Course)
- ❖ Artificial Intelligence
- ❖ Distributed Systems (Master and Undergraduate Degree Course)
- ❖ Data Structures and Algorithms
- ❖ Data Structures Programming
- ❖ Theoretical Computer Science
- ❖ Database Management Systems
- ❖ Management Information Systems
- ❖ IT Project Management
- ❖ Knowledge Management
- ❖ Computer Simulation
- ❖ Computer Graphics
- ❖ E-Business
- ❖ Professional Legal and Ethical Issues
- ❖ Human Computer Interaction
- ❖ Internet and Web Technologies
- ❖ Computer Repair and Maintenance

PUBLICATIONS

1. Jazzar M., Hamad M. (2022) An Analysis Study of IoT and DoS Attack Perspective. In: Agarwal B., Rahman A., Patnaik S., Poonia R.C. (eds) Proceedings of International Conference on Intelligent Cyber-Physical Systems. Algorithms for Intelligent Systems. Springer, Singapore. https://doi.org/10.1007/978-981-16-7136-4_11

2. Jazzar M., Hamad M. (2022) Comparing HDD to SSD from a Digital Forensic Perspective. In: Agarwal B., Rahman A., Patnaik S., Poonia R.C. (eds) Proceedings of International Conference on Intelligent Cyber-Physical Systems. Algorithms for Intelligent Systems. Springer, Singapore. https://doi.org/10.1007/978-981-16-7136-4_14

3. Mahmoud Jazzar and Mohammad Dweikat, Smartphone Forensic Tools Used in Digital Forensic Analysis, Journal of XI'AN University of Architecture & Technology, Volume XIII, Issue X, Sept. 2021.

4. Mohammad Dweikat and Mahmoud Jazzar, "Threats and Security Vulnerability Estimate for Mobile Cyber Criminology Platform", Journal of Software Engineering and Intelligent Systems, Vol. 6, Issue 2, August 2021. ISSN: 25188739. (Accepted, the abstract published, full paper to appear)

5. Mahmoud Jazzar, "Social Engineering Attacks: A Survey", Journal of Software Engineering and Intelligent Systems, Vol. 6, Issue 2, August 2021. ISSN: 25188739. (Accepted, the abstract published, full paper to appear)

6. Rasheed Yousef and Mahmoud Jazzar, Measuring the Effectiveness of User and Entity Behavior Analytics for the Prevention of Insider Threats, Journal of XI'AN University of Architecture & Technology, Volume XIII, Issue X, Sept. 2021.

7. Raghad Khweiled and Mahmoud Jazzar, An Improved Framework for Cyberbullying Investigation Process on WhatsApp Application, Journal of XI'AN University of Architecture & Technology, Volume XIII, Issue IX, Sept. 2021.

8. Mahmoud Jazzar, Rasheed F. Yousef, Derar Eleyan, " Evaluation of Machine Learning Techniques for Email Spam Classification", International Journal of Education and Management Engineering (IJEME), Vol.11, No.4, pp. 35-42, 2021. DOI: 10.5815/ijeme.2021.04.04

9. Zaina Alsaed, Mahmoud Jazzar, <u>Covid 19 Age: Challenges in Cybersecurity and Possible Solution Domains</u>, Journal of Theoretical and Applied Information Technology, Vol. 99, No. 11, June 2021. ISSN: 1992-8645.

10. Raghad Khweiled, Mahmoud Jazzar, Derar Eleyan, <u>Cybercrimes during COVID -19 Pandemic</u>, International Journal of Information Engineering and Electronic Business (IJIEEB), Vol.13, No.2, pp. 1-10, 2021. DOI: 10.5815/ijieeb.2021.02.01

11. Naser Ammar et al., <u>Social Engineering Attacks: A Phishing Case Simulation</u>. International Journal of Scientific & Technology Research, Volume 10, Issue 03, March 2021. ISSN 2277-8616.

12. Jazzar Mahmoud, <u>"On Cloud Data Transaction Security Using Encryption and Intrusion Detection"</u>. Journal of Cases on Information Technology (JCIT) 19 (4), 13-21, 2017.

13. Jazzar Mahmoud, <u>"Smart Digital Transformation"</u>. First International Conference on Smart Technologies in Computer and Communication, March 27-29, 2017 | Amity University Rajasthan, Jaipur.

14. Mahmoud Jazzar et al., <u>"Development and Implementation of Pregnancy Healthcare Mobile Applications: A Case Study"</u>, in the International Journal for Research in the Applied Science Engineering Technology (IJRASET), Volume 5, Issue V, May 2017. ISSN: 2321-9653.

15. Jazzar Mahmoud, <u>"Enhanced Security Architecture for Cybercrime Evidence Collection"</u>. In proceeding of RUW International Conference, Royal University for Women, Bahrain. April 2016.

16. Jazzar Mahmoud et al., <u>"Development and Implementation of Pregnant Women Mobile App: The Baby Bump"</u>. In proceeding of RUW International Conference, Royal University for Women, Bahrain. April 2016.

17. Jazzar Mahmoud, <u>"Computer Network Intrusion Detection"</u>, Lap-Lambert Academic Publishing, ISBN-10: 3659387142, ISBN-13: 978-3659387142, June 12, 2013.

18. Jazzar M. et al, <u>"On Multi-Classifier Systems for Network Anomaly Detection and Features Selection"</u>. International Journal of Computer Science and Information Security (IJCSIS), Vol. 8, No. 2. May 2010.

19. Jazzar Mahmoud, <u>"An Integrated Approach Using Self Organizing Maps and Fuzzy Cognitive Maps for Network Intrusion Detection"</u>, Ph.D. Thesis, School of Computer Sciences, Universiti Sains Malaysia (USM). June 2009.

20. Jazzar Mahmoud and Aman Jantan, "A Novel Soft Computing Inference Engine Model for Intrusion Detection", International Journal of Computer Science and Network Security, Vol. 8, No. 4, pp. 1-9, April 2008.

21. Jazzar Mahmoud and Aman Jantan, "An Approach for Anomaly Intrusion Detection Based on Causal Knowledge-driven Diagnosis and Direction", In: R. Lee (Ed.): Soft. Eng., Arti. Intel. Net. & Para./Distri. Comp., Studies in Computational Intelligence (SCI), Vol. 149, pp. 39-48. Springer Berlin / Heidelberg Press, ISBN: 978-3-540-70559-8. [Citation Indexed Journal (SCOPUS/ISI/SCI/SSCI/AI)]

22. Jazzar Mahmoud and Aman Jantan, "Using Fuzzy Cognitive Maps to Reduce False Alerts in SOM-based Intrusion Detection Sensors", In: The 2nd Asia International Conference on Modelling and Simulation (AMS2008), Kuala Lumpur, Malaysia, May 2008. IEEE Computer Society Press. art. no. 4530625, pp. 1054-1060. [Citation Indexed Proceedings (SCOPUS/ISI/SCI/SSCI/AI)]

23. Jazzar Mahmoud and Aman Jantan, Towards Teal-time Intrusion Detection Using Fuzzy Cognitive Maps Modelling and Simulation, In: The 3rd IEEE International Symposium on Information Technology (ITSim'08), Kuala Lumpur Convention Centre, KL Malaysia. August 2008. IEEE Computer Society Press, *art. no. 4631676, pp. 1-6. [Citation Indexed Proceedings (SCOPUS/ISI/SCI/SSCI/AI)]*

24. Jazzar Mahmoud and Aman Jantan, "NFDE: Neuro-fuzzy Decision Engine Components for Intrusion Detection", In: Proceeding of the International Conference on Network and Mobile Computing (NMC'06), IIC20, INTI College Malaysia, August 2006.

25. Jazzar Mahmoud and Aman Jantan, "Enhancing Intrusion Detection Systems Using Neuro-Fuzzy Methods: A Survey and Approach", In: Proceeding of the National Conference on Information Retrieval and Knowledge Management (CAMP'08), Kuala Lumpur, March 2008. ISBN: 983-43840.

26. Jazzar Mahmoud and Aman Jantan, "Neuro-fuzzy and Intrusion Detection: A Survey", In: Proceeding of the Computer Science Colloquium (CSPC'07), Penang, Malaysia, 25 June 2007.

27. Jazzar Mahmoud and Aman Jantan, "Anomalies and Data Attributes Detection Using Soft Computing Components in Network Security", Computer Science Colloquium (CSPC'08), Universiti Sains Malaysia (USM), June 2008.

PROFESSIONAL ACTIVITIES

Conference Chair/Panel member/ Editorial/Reviewer/Participation

1. Fostering Entrepreneurship in Science, Technology, Engineering and Mathematics Conference, **FESTEM**, 26 Sept 2018.

   Birzeit University, Palestine.

2. **Editorial Advisory Board Member** of " Handbook of Research on the IoT, Cloud Computing and Wireless Network Optimization ". **IGI Global**. This publication is anticipated to be released in 2019.

3. Sixth Palestinian Conference on Modern Trends in Mathematics and Physic **PCMTMP-VI,** Palestine Technical University – Kadoorie. 5-8 August, 2018.

4. Program Committee:

   Intelligent Communication System for Sensor based Mobile Ad−hoc Networks (Session). **International Conference on INFOCOM Technologies and UNMANNED Systems (ICTUS'2017)**, in Association with Computer Society of India(CSI), Technically Co−sponsored by IEEE.

   Amity University Dubai Campus, Dubai International Academic City, Dubai, December 18−20, 2017.

5. **Session Chair @ The 9th IEEE GCC CONFERENCE & EXHIBITION**, Gulf Hotel, Manama, Kingdom of Bahrain, 8-11 May 2017. (https://ieee-gcc.org/)

6. **Invited Talk:**

   Latest Trends on Smart Technologies, for the First International Conference on Smart Technologies in Computer and Communication (**SmartTech2017**), March 27-29, 2017 | **Amity University Rajasthan, Jaipur.**

7. **MEET ICT and BITEX 2017.** Gulf Hotel, Manama, Kingdom of Bahrain, 7th -9th February 2017.

8. **Symposium on Transforming Teaching: Celebrating Success Across the Middle East.** University of Bahrain, Kingdom of Bahrain, October 18, 2016.

9. **6th World Robot Olympiad.** Bahrain, May 18TH – 19TH, 2016.

10. **MEET ICT and BITEX 2016.** Gulf Convention Centre, Manama, Kingdom of Bahrain, January 4-6 2016.

11. Scientific Committee Member of *RUW Conference on Women and Society*, 20-21 April, 2015. RUW, Kingdom of Bahrain.

12. Reviewer at the *IEEE SCOReD 2013*. The IEEE Student Conference on Research & Development (SCOReD), Malaysia**.**

13. ISACA Briefing Sessions about **ISACA four Professional Certifications**, Oct 26, 2013. (Participant)

14. Bahrain **1st Research Writing & Publishing seminar**. Jan 21, 2014. (Participant)

15. *Review Board Member for 'Ontology Development and Applications', Open Access - International Journal.*

16. The fifth International Conference on Engineering and Sustainability (ICES5), 4-5 Nov. 2014. (Reviewer).

17. Organizing and Technical Program Committee for GS **International Multi-Conference on Science and Technology** 2014, Dubai, UAE.

18. **MEET ICT Bahrain**. Bahrain International Exhibition and Convention Centre, 10-12 December 2013. (Participant)

19. **eSHABAB 2013**, The Bahrain Youth Innovation Competition and Conference (INOVTECH), Bahrain, 1-3 July 2013. (Participant)

20. **2ND NAQQAET** Conference on Quality Education and Training: Challenges & Opportunities. Gulf Hotel, Bahrain, 20-21 Feb, 2013 (Participant)

21. **The Third International Conference on Engineering and Gaza Reconstruction**. The Islamic University of Gaza. Gaza-Palestine. October 2010. (Reviewer).

22. **The 3rd Palestinian International Conference on Computer Science and Information Technology**. Palestine Polytechnic University, March 2010. (Participant)

23. **Regional Computer Science Postgraduate Conference**, USM, Penang Malaysia. June 2006. (Technical Committee and Reviewer)

24. **Computer Science Postgraduate Conference**, USM, Penang Malaysia. June 2007. (Reviewer and Participant)

25. **Computer Science Postgraduate Conference**, USM, Penang Malaysia. June 2008. (Reviewer and Participant)

26. **National Conference on Information Retrieval and Knowledge Management (CAMP08).** Kuala Lumpur, Malaysia 2008. (Participant)

27. Member of Editorial Board of **ARSEAM** Journal

Committees

- ➢ **Quality Assurance Committee member, PTUK, AY 2021-2022.**
- ➢ **Advisory committee member, Center for Excellence in Teaching and Learning, PTUK, AY 2017-18.**
- ➢ **Chair of PTUK Website Development Committee, Palestine Technical University – Kadoorie. AY 2018-19.**
- ➢ **Panel Member for HH SH. Khaled bin Hamad Award for Graduation Projects held at University of Bahrain. AY 2016-17.**
- ➢ **Dean College of IT, RUW AY 2013 – 2017.**
- ➢ **Member of the Deans Council, RUW, 2013-2017.**
- ➢ **Acting Dean and HoD, RUW AY 2012-2013.**
- ➢ **Panel member of Programme Review Committee, RUW AY 2012-2017.**
- ➢ **Chairperson of the Faculty Recruitment Committee, RUW AY 2012-2017.**
- ➢ **Chairperson of the Faculty Council, RUW AY 2012-2017.**
- ➢ **Chairperson of the Library Committee (Senate Standing Committee), RUW, AY 2012-2017.**
  As a standing committee of the University Senate, the Library committee serve as a link between the University's academic community and the library administration and provide necessary support in the library's long range planning.

- ➢ **Member of Graduate Studies and Research Committee (Senate Standing Committee), RUW.**
- ➢ **Member of the Quality Assurance and Enhancement Committee, RUW, AY 2013-2017.**
  The Quality Assurance & Enhancement Committee is standing committee of the University Senate. The remit of this committee is based on the guidelines published in 'Standards, Policies and Procedures for Quality Assurance in Institutions'1 (2012). This committee will be responsible for ensuring the continuous improvement, effectiveness and consistency of implementation of policies and procedures related to academic quality assurance undertaken by faculties.

- ➢ **Member of the Appraisal Committee, RUW AY 2013-2017.**
  The Academic Evaluation Committee will ensure that all appraisals are carried out in a fair and transparent manner across faculties and that the appraisal of each member of faculty is duly documented.

- ➢ **Member of the Graduate Study and Research Committee, RUW.**
  - Assessing proposals and drafting general policies for post graduate & research programmes.
  - Amending the policies related to post graduate & research programmes.
  - Assessing scientific research proposals, contribution and/or participation

➢ **Chairperson of the CIT advisory committee, RUW.**

The committee is responsible for Curriculum development and programme reviews, providing assistance and advice at programme or course level, provide feedback and guidance on relevance of content or new technology, and other responsibilities defined in the mandate of the committee.

➢ **Chairperson of the College of Information Technology Council, RUW, 2012-2017.**

➢ **Member of the CS Dept. Council, BZU, 2009-2012.**
➢ **Member of the graduate programme development committee, College of IT, BZU, 2009-2012.**
➢ **Member of the Disciplinary Committee, CS Dept., BZU, 2009-2012.**

Services

A- Curriculum and programme development

1- Designing, revising, and developing CIT IT curriculum Plans.
2- Designing, revising, and developing the Programme Specifications (revising the PILOs, aims, teaching/learning/ assessment methods and mapping Courses to PILOs).
3- Ensure that the course specifications meet the standards of the particular disciplinary field.
4- Designing, revising, and developing the course specifications (revising the CILOs, aims, and teaching/learning/ assessment methods)
5- Maintain awareness of general teaching methods being applied across the programme.
6- Evaluate the suitability of assessments.
7- Manage activities related to benchmarking and internal / external verification initiatives.
8- Ensuring that course ILOs are aligned and mapped with the relevant Programme Specifications.
9- Writing the improvement plans, implementation of the improvement plans, and preparing requited evidences.
10- Writing Self-Assessment Reports for the ***ABET and Institutional Listing/Accreditation***.
11- Leading the ***College Quality Assurance Team***.

B- Managerial duties

1. Managing faculty member's inputs for curriculum and programmes development.
2. Ensuring various teaching and learning events are in place.
3. Approve the midterm and final examination in term of appropriateness and course specifications ILOs.
4. Check and approve the suitability of various T&L assessments.
5. Manage CIT external verification and examination processes.
6. Coordinate with the Heads and faculty members.

C- Course coordination

1. Course Coordination with part time faculty members
2. Coordination of examination and Assessments
3. Supervising students' projects
4. Consultation with students and faculty members
5. Leading internal and external faculty activities
6. Preparing the courses schedule and allocation of time and halls
7. Assigning the courses to the faculty members based on the specialization
8. Preparing the exams schedule and allocation of invigilators.

D- Course management responsibilities

1. Revision and approval of course specifications
2. Preparing grade distributions
3. Ensuring that all faculty members submit their Exams along with the Model Answers prior to delivery to students
4. Review and revise exam questions against a set of Quality Criteria
5. Approval of exam questions prior to delivery to students
6. Conducting class visits to improve the teaching and learning process.
7. Managing Projects, course activities and Presentations
8. Approval of course specifications and grades distribution
9. Follow–up meetings with all faculty members to discuss all academic matters including Students needing early intervention (i.e. with low performance) are identified
10. Review and approve course folders at the end of each semester.
11. Follow up with heads of all related academic matters.

Other Services

- Coordination with faculty members and part timer members in various course activities, delivery and material
- Panel member to assess projects, and various courses presentations.
- Play major role in the assessment of courses development; oral examinations; tests; systematic observation of skill demonstrations, role plays and reproductions.
- Responsible for the management of the academic administrative, financial affairs, development as well as the scientific research.
- Contributing to the planning and implementation of the decisions of the COLLEGE Council, Dean's Council and the University Senate.
- Maintaining documentation on the College on a regular basis and Carrying out any other task assigned by the University.
- Contribution to decision making at college and university level through DC and Senate.
- Tutoring, Delivering, and Monitoring Semester Courses and Lab Activities.

- Maintain awareness of general teaching methods being applied across the programme.
- Play major role in the assessment of courses development; oral examinations; tests; the systematic observation of skill demonstrations, role plays and reproductions.

- Contributing to the planning and implementation of the decisions of the College Council, Dean's

MAHMOUD JAZZAR, Ph. D

Council and the University Senate. RUW AY 2012-Present.

> External examiner for CS and IT senior projects at University of Bahrain AY 2016-17.
> External examiner for CS and IT senior projects at University of Bahrain AY 2016-17.

Community

- ✓ public workshops and seminars
- ✓ Consultations
- ✓ Organize and deliver several Innovative Teaching and Learning Workshops for PTUK Community. Palestine Technical University – Kadoorie.
- ✓ CIT Students Community Engagement Coordinator, RUW, Kingdom of Bahrain.
- ✓ Managing and leading the following CIT-RUW events and activities:
    - Microsoft Imagine Cup - Bahrain kick off (launch) event on 2012, 2013, 20014, 2015. College of IT, RUW, Bahrain.
    - Guest speaker on Computing securities and legal issues. 6/4/2015.
    - Guest Lecture on Network Security. 25/2/2015.
    - Lego Robotics workshop, Kingdom of Bahrain, 8/12/2015.
- ✓ Bahrain national skills competition (CIT Student Coordinator). AY 2013- 2015.
- ✓ Bahrain Startup Bootcamp Programme (CIT Student Coordinator) AY 2015.
- ✓ CIT Cybersecurity Awareness Programme, RUW 2013-2016.

EMBERSHIP/ASSOCIATION

> **IEEE** Member, Membership Number: **93851158 (IEEE)**
> International Association of Engineers (**IAENG**)
> The Malaysian Software Engineering Interest Group (**MySEIG**)
> The Malaysian Information Technology Society (**MITS**)

LANGUAGES

Excellent and flaunt in Arabic (mother tongue) and English.
Familiar with Hindi, Urdu, and Bahasa-Melayu.

REFERENCES

Available upon request.

DECLARATION

I hereby declare that the above information is true to the best of my knowledge.
Sincerely,
Mahmoud Jazzar, Ph. D