

Prof. Belal Zaqaibeh

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PROFILE

With over 10 years of industry experience and more than 20 years of academic service, I have established a distinguished career in teaching and academic leadership across institutions in Malaysia, Jordan, and Bahrain. My academic journey encompasses extensive involvement in undergraduate and postgraduate programs, as well as national-level contributions to quality assurance and qualifications frameworks. I served as a committee member responsible for authoring the *Criteria and Indicators Guide for Qualification Placement* within the Jordanian National Qualifications Framework (JNQF), and the *Jordanian Accreditation Guide for Academic Programs*, under the Jordanian Accreditation and Quality Assurance Commission (AQAC).

Currently, I am the Dean of the Faculty of Information Technology at Jadara University. Over the years, I have held several senior academic and administrative posts, including Consultant to the President for Quality Assurance, Assistant to the President for International Relations and Projects, Dean of the College of Arts and Science at Applied Science University in Bahrain, Dean of the Faculty of Sciences and Information Technology in Jordan, and Director of multiple institutional units, such as the Quality Assurance and Accreditation Center, the e-Learning Center, and the Computer Center.

In collaboration with the industry sector, I have served as a System Coordinator and Data Analyst, leading digital transformation efforts through the development of integrated electronic systems spanning registration, finance, ERP, human resources, and mobile applications contributing to the realization of a fully digital campus.

My academic contributions include several awarded patents, international research publications, and conference proceedings. I have organized and participated in international conferences, served as a core team member in EU-funded projects, and played an active role in community engagement initiatives. I am also a founding member of the ICSRS and IJOPCM. My research interests focus on Big Data, Data Analytics, Object-Oriented Databases, and Artificial Intelligence.

My B.Sc grade is **Excellent** with **First Class Honors** and have possessed my M.Sc and Ph.D from a reputable university that ranks: 136 in QS ranking.

LINKS

LinkedIn: <https://www.linkedin.com/in/zaqaibeh>
ORCID: <https://orcid.org/0000-0002-1517-3049>
Scopus: <https://www.scopus.com/authid/detail.uri?authorId=8435405200>
Google Scholar: <https://scholar.google.com/citations?user=XM1OWNUAAA&hl=en>
Research Gate: <https://www.researchgate.net/profile/Belal-Zaqaibeh>

EDUCATION

PhD, UPM, Malaysia, June 2006: Computer Science, majoring in Database Systems and field of cognitive in Software Engineering. Thesis title: "*Development of an Assertion Model of Integrity Constraints in Object-Oriented Databases*". Universiti Putra Malaysia/ Malaysia.

MSc, UPM, Malaysia, July 2001: Computer Science, with **very good** grade. Project title: "*Using the Computer to Aid Instruction*". Universiti Putra Malaysia/ Malaysia.

BSc, INU, Jordan, February 1998: Computer Science, my bachelor standing was the **First honor** degree with **Excellent** grade (84.8%). Project title: "*Computer aids for Learning Typing*", Irbid National University/ Jordan.

OBJECTIVES

Aspire to engage in high-quality institute, mentoring, student supervision, fostering a supportive, dynamic learning environment, and quality assurance improvement. Also, seeking opportunities for collaborative research projects to promote innovative.

SKILLS

Communication
Problem-solving
Teamwork
Creativity
Collaboration
Adaptability
Decision-making
Leadership

LANGUAGES

Arabic - Native
English – Excellent
Malay - Beginner

EMPLOYMENT HISTORY

Experience - Industry

- System Coordinator and Data Analyst with the Adaptive TechSoft (ATS), creating a digital campus at Jadara University by automating the university processes and services, September 2018 – January 2025.
- Liaison officer with the ATS to manage all electronic systems (Registration System, ERP, HR, and Mobile System) at Jadara University, 2018 – 2024.
- Consultant for analyzing, designing, and implementing the Heritage System using Object-Oriented Database (Spiral Delphi), with the cooperation project between Multimedia University and three industrial companies/ Malaysia, May 2003 – May 2006.
- Network administrator and a web system designer, I-MAF/ Malaysia, Sept. 2000 – May 2002.
- General Manager and the Data Analytics: Makkah Cultural Center for Computer/ Jordan, September 1998 – May 2000.
- Programmer (Oracle, and Visual Basic) and a system analysis, Channel 3, Amman/ Jordan, March 1997 – May 1998.

Experience - Administration

- **Dean of the Faculty of Information Technology:** October 2024 – present, Jadara University/ Jordan.
- **Presidential Advisor** for Quality Assurance, June 2022 – present, Jadara University/ Jordan.
- **The Director of e-Learning Center**, June 2022 – Oct 2024, Jadara University/ Jordan.
- **Assistant to the President** for International Relations and Projects, October 2019 – October 2022, Jadara University/ Jordan.
- **The Director of Quality Assurance Center**, October 2018 – June 2022, Jadara University/ Jordan.
- **Dean of the Arts and Science College:** September 2015 – September 2018, Applied Science University/ Bahrain.
- **Dean of the Faculty of Science and Information Technology:** October 2013 – September 2015, Jadara University/ Jordan.
- **Director of the Computer Center** and the **Director of the e-Learning Center:** September 2008 – September 2015, Jadara University/ Jordan. I have established the Datacenter and made the installation and configuration of its Core Switch, Servers, Storage (SAN), and Firewall. Furthermore, I have established the e-Learning center and designed the e-Learning system

Experience - Teaching (Full-Time)

- September 2018 – Present, Computer Science Department, Faculty and Information Technology, Jadara University/ Jordan.
- September 2015 – September 2018, Computer Science Department, Arts and Science College, Applied Science University/ Bahrain.
- September 2008 – September 2015, Computer Science Department, Faculty of Science and Information Technology, Jadara University/ Jordan.
- September 2006 – September 2008, Computer Science Department, Zarqa University/ Jordan.
- August 2001 – September 2006, Computer Science Department, Multimedia University/ Malaysia.

Experiences – Teaching (Part-Time)

- September 2013 – June 2015, at the Department of Computer Science - Master students program, Jordan University of Science and Technology (JUST)/ Jordan.
- June 2012 – August 2012, Department of Computer Science, JUST/ Jordan.
- February 2008 – June 2008, SE Department, Hashemite University/ Jordan.
- January 2005 – May 2006, School of Computer Science, University of Nottingham/ Malaysia.
- March 2001 – July 2001, Twintech SDN BHD/ Malaysia.

PROJECTS

1. Project title: EaRth Observation Tools for the Promotion of DigITal Economy (ERODITE). Project Reference: 617730-EPP-1-2020-1-EL-EPPKA2-CBHE-JP, 2021 – 2024. EU Grant: 900,666.67 EUR. Program: Erasmus+ Capacity Building in higher education, Cooperation for innovation and the exchange of good practices.
2. Participated in the implementation of SRTD project, at the Higher Council for Science and Technology / Jordan, 2010 – 2011.

PUBLICATIONS

- [1] Zaqaibeh, Belal, "Legal Investigation of Financial Fraud Using Artificial Intelligence", International Journal of Advances in Soft Computing and its Applications, 18(1), pp: 1–19, 2026.
<https://www.scopus.com/pages/publications/105033963665>
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<https://www.scopus.com/pages/publications/105011994211>
- [3] Darem, A.A., Alohal, M.A., Haj Hassine, S.B., Zaqaibeh, B., Aborokbah, M., Salama, A.S., "IoT-Driven Heart Disease Prediction with Intelligent Classifier and Squirrel Search Feature Selection", Fractals (ISSN: 0218348X), Vol. 33, Issue 2, No. 2540005, 2025.
<https://www.scopus.com/pages/publications/85219088059>
- [4] Jarah, B.A.F., Alghadi, M.Y., Al-Zaqeba, M.A.A., Mugableh, M.I., Zaqaibeh, B., "The Influence of Financial Technology on Profitability in Jordanian Commercial Banks", Humanities and Social Sciences Letters (ISSN: 23125659), Volume 12, Issue 2, pp: 176-188, 2024.
<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85198333235&doi=10.18488%2f73.v12i2.3661&partnerID=40&md5=d26144789cfc5bc442e6be72783ca2bc>
- [5] Hassan, A.Q.A., Alshammari, A., Zaqaibeh, B., Alzaidi, M.S.A., Allafi, R., Alazwari, S., Aljabri, J., Nouri, A.M., "Enhancing Natural Language Processing using Walrus Optimizer with Self-Attention Deep Learning Model in Applied Linguistics", Fractals (ISSN: 0218348X), Volume 32, Issue 9-10, number 2540006, 2024.
<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85208780380&doi=10.1142%2fS0218348X25400067&partnerID=40&md5=bfcf82915b4d314aea5e10c7cf7bb515>
- [6] Althunibat, A., Alsawareh, B., Maidin, S.S., Hawashin, B., Jebri, I., Zaqaibeh, B., Al-Khawaja, H.A., "Detecting Ambiguities in Requirement Documents Written in Arabic Using Machine Learning Algorithms", International Journal of Cloud Applications and Computing (ISSN: 21561834), Volume 14, Issue 1, pp: 1-19, 2024.
<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85186886279&doi=10.4018%2fIJCAC.339563&partnerID=40&md5=bd10c0f5e1a4c97f5210ab3a440b0dbd>
- [7] Alnuhait, H., Alzyadat, W., Althunibat, A., Kahtan, H., Zaqaibeh, B., Al-Khawaja, H.A., "Web Application Performance Assessment: A Study of Responsiveness, Throughput, and Scalability", International Journal of Advanced and Applied Sciences (ISSN: 2313626X), Volume 11, Issue 9, Pages 214-226, 2024.
<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85209666387&doi=10.21833%2fijaas.2024.09.023&partnerID=40&md5=c4b960a2a500afe216ea226ad1742c3>

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<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85209644852&doi=10.1142%2fS0218348X25400134&partnerID=40&md5=c9bedfb0bca66236b8d579a8f14a28ef>
- [9] Zaqaibeh, B., Al-Dlalah, M.'M., Al-Anber, Z.A., "New Efficient Indicators for Placing Qualifications in the Jordanian National Qualifications Framework", *Studies in Systems, Decision and Control* (ISSN: 21984182), Publisher: Springer Science and Business Media Deutschland GmbH, Volume 470, Pages 585-596, 2023.
https://www.scopus.com/inward/record.uri?eid=2-s2.0-85166960839&doi=10.1007%2f978-3-031-28314-7_51&partnerID=40&md5=47e531e456b6742b9aa3b571f838eb8e
- [10] Zaqaibeh, B., "An Enhanced Population Selection Algorithm for Timetabling System", *Information Sciences Letters* (ISSN: 20909551), Volume 12, Issue 1, Pages 325-334, 2023.
<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85139545533&doi=10.18576%2fisl%2f120127&partnerID=40&md5=099a7fa1ab2e34a7160e833f86e673cc>
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<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85203438847&doi=10.1049%2ficip.2024.0521&partnerID=40&md5=c830b2276549bd74ca8db1143f6c4db2>
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<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85203451566&doi=10.1049%2ficip.2024.0473&partnerID=40&md5=a72d2cb071cb1698998fc450a8417606>
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- [22] Belal Zaqaibeh, Islam Obaidat, and W. Hussien, "Big Data Analysis Techniques using Multi-GPUs MapReduce Implementations", Proceedings of the International Computer Sciences and Informatics Conference (ICSIC 2016), Amman, Jordan, 12-13 January, 2016, pp: 359-366, and have been published in the International Journal of Advanced Studies in Computer Science and Engineering (IJASCSE), Vol. 5, No. 11, 2016.
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- [24] Albadarneh, J., Talafha, B., Al-Ayyoub, M., Zaqaibeh, B., Al-Smadi, M., Jararweh, Y., Benkhelifa, E., "Using Big Data Analytics for Authorship Authentication of Arabic Tweets", IEEE/ACM 8th International Conference on Utility and Cloud Computing (UCC 2015), Limassol, Cyprus, 7-10 December 2015, Pages 448-452, 2015.
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PROFESSIONAL MEMBERSHIPS

- Member of the Association of Quality Assurance Administrations of the Association of Arab Universities, 2021 - Present.
- Program Chairs International Conference on Open Problems in Computer Science and Mathematics Antalya, Turkey, May 27-31, 2020.

- Local Conference Chairs of The International Conference on Intelligent Computing Systems and Data Analytics Applications (ICSDDA-2019)
- The Vice-Chair of IEEE Bahrain Section ExCom, February 2018 – February 2019, Bahrain.
- A member in the confirmation committee of the mapping programs into National Qualification Framework (NQF), September 2017 – August 2018, ASU/ Bahrain.
- A steering committee member in the International Computer Sciences and Informatics Conference (ICSIC 2016), 12-13 January 2016, Amman Arab University, Jordan.
- The liaison officer between the Bahraini Universities and the Colleges of Computing and Information Society, from 2015 – Present, Bahrain.
- A member in the following committees: Extended Senior Management Group, ASU Programs Mapping Committee, VP Academic Affairs and Development Office, Examination Team, Communication Group, Urgent Matters, and Finance Budgeting Group, from 2015 – present, ASU/ Bahrain.
- The chairperson of the committee of the annual report and achievements, October 2014 – September 2015, Jadara University/ Jordan.
- A steering committee member in the 3rd International Women and Discourse Literary and Cultural Media Conference (IWDLCMC 2014), 18-20 November 2014, Jadara University, Jordan
- The chairperson of the committee of marketing and agreements, March 2014 – September 2015, Jadara University/ Jordan.
- A member in the committee of writing the theses guide, March 2014 – September 2015, Jadara University/ Jordan.
- A member in the committee of violence reduction among university students, January 2014 – September 2015, Jadara University/ Jordan.
- The liaison officer between Jadara University and the Higher Council for Science and Technology, 2013 – September 2015. www.eu-jordannet.org
- A member of the University Council, October 2013 – September 2015, Jadara University/ Jordan.
- The head of the examination committee for the qualitative examination, January 2013 – September 2015 at Jadara University, Organized by the Higher Ministry of Education and Scientific Research, Jordan.
- A member in the Committee of the Examination Level, 1st October 2011 – September 2015, Jadara University/ Jordan.
- The faculty representative in the University Council, for the academic year 2008/2009, Jadara University/ Jordan.
- The liaison officer between Jadara University and the Higher Council for Science and Technology, 2008 - 2015. www.srtd-eujo.org
- A Founding Member for the International Center for Scientific Research and Studies (ICSRS), 2007 – Present, <http://www.i-csrs.org>
- An active member (Editorial Board) in the International Journal of Open Problems in Computer Science and Mathematics, 2008 – Present. www.ijopcm.org
- An active member in The International Arab Journal of Information Technology, 2007 – Present. www.iajit.org
- A member in the Center for Multimedia Computing (CMC), 2001 – 2006, Multimedia University/ Malaysia. www.mmu.edu.my
- A member in the Industrial Training Committee, 2003 – 2006, Multimedia University/ Malaysia. www.mmu.edu.my

HANDLED WORKSHOPS

- National Qualification Framework 2022, at Jordan University.
- National Qualification Framework 2022, at JUST University.
- How to apply for achieving the National Qualification Framework (NQF), January 2021.

- How to achieve outcomes, June 2020.
- How to write Program Intended Learning Outcomes (PILOs) and Course Intended Learning Outcomes (CILOs), and mapping PILOs to CILOs on April 2020.
- How to accelerating ICT skills, during the workshop of “Accelerating ICT Skills in the Kingdom of Bahrain” which is organized by the office of the secretary general of the Higher Education Council (HEC) on 24th February 2016.
- Monitoring and Evaluation Project, for researchers of Jadara University/ Jordan, 13 July 2011.
- How to Work with International Partners, researchers of Jadara University/ Jordan, 3 July 2011.
- Team Management, for researchers of Jadara University/ Jordan, 19 June 2011.
- Execution and Problems Handling, for researchers of Jadara University/ Jordan, 23 May 2011.
- Project Coordination, for researchers of Jadara University/ Jordan, 8 May 2011.
- Guidance for Managing a Research Grant, for researchers of Jadara University/ Jordan, 28 April 2011.
- Proposal Evaluation: Scientific Research Fund, for researchers of Jadara University/ Jordan, 7 April 2011.
- Proposal Evaluation: International Agencies for researchers of Jadara University, 4 April 2011.
- Impact Assessment and Innovation in Preparing Proposals and Research, for researchers of Jadara University/ Jordan, 1st December 2010.
- Hints for Writing a Funding Proposal & Proposal Evaluation, for researchers of Jadara University/ Jordan, 29 November 2010.
- E-Learning Systems, within the Project of Building of Lecturers Capabilities for lecturers of Jadara University/ Jordan, 5-7 October 2010.
- How to use e-Mails and File Conversions for Secretaries of Jadara University, 2 August 2010.
- How to use E-Mails (using Outlook and Internet Browsers) in Communications among Departments and Faculties, for managers of Jadara University/ Jordan, 1 August 2010.
- Electronic Documentation and Indexing of Office Work, for Secretaries of Jadara University/ Jordan, 29 September 2010.

COMMUNITY SERVICES

1. An active member in the Sports and Cultural Club of Al-Huson, 2009 – 2015/ Jordan.
2. Honorary membership in the Al-Barakh Association Charity, 2008 – 2015/ Jordan.
3. Participate in the preparation of management system of electronic scientific refereed journals, 28 February 2008, Organized by the Union of Arab Universities, at Zarqa University/ Jordan.

PATENTS AND ACHIEVEMENTS

1. The Assessment System for lecturers’ achievements, 2011/ Jordan.
2. E-Learning System, 2010/ Jordan.
3. The E-Exam for Jadara University, 2008/ Jordan.
4. I have gotten the BMZ software patent for computer aided typing from the Ministry of Industry and Trade, 1999, Jordan.

AWARDS RECEIVED

1. Accreditation to be the Quality Evaluator for Higher Education, from the Accreditation and Quality Assurance Commission for Higher Education Institutions, 18 September 2019, Jordan.
2. I have gotten the Silver Medal for the research paper which is entitled "Enforcing and Maintaining Integrity Constraints in Object-Oriented Databases" in the Exhibition of Research and Innovation, UPM, 10-11 March 2005/ Malaysia.
3. I have received the **First Honor Degree** for my bachelor standing.

TRAINING

- TQM: 2021, Total Quality Management Diploma (TQM), Association of Quality Assurance, University of Sadat City/ Egypt.

- The Geography of Thoughts, 22 November 2021, by the Society of Excellence & Academic Research.
- Jordanian National Qualifications Framework (JNQF), 21-24 June 2021, by the Accreditation and Quality Assurance Commission for Higher Education Institutions (AQCHEI) with cooperation with German Agency for International Cooperation (GIZ), Jordan.
- Jordan National Qualification Framework (JNQF), 4-7 October. 2020, the Accreditation and Quality Assurance Commission for Higher Education Institutions (AQCHEI), Jordan.
- Higher Education Quality Evaluator (accredited by the Authority), September 2019, from the Accreditation and Quality Assurance Commission for Higher Education Institutions (AQCHEI), Jordan.
- Statistical Analysis using SPSS, 30 March 2019, Jadara University/ Jordan.
- The Mechanism of Research, Publication, and Impact Factors, 5 January 2019, Jadara University/ Jordan.
- Modern Teaching Strategies, 24 November 2018, Jadara University/ Jordan.
- Program Mapping to the NQF, from 25 to 27 February 2016, Ta'seel/ Bahrain.
- Improving Student Engagement, Retention and Achievement, on 3 December 2015, at the Academic Staff Development Unit in ASU/ Bahrain.
- Excellence, Quality Assurance and Student Engagement, on 2 December 2015, at the Academic Staff Development Unit in ASU/ Bahrain
- Research Development at ASU, on 19 November 2015, at the Academic Staff Development Unit in ASU/ Bahrain.
- The Body Language and Methods of Presentation, from 18 to 23 November 2015, Applied Science Institute for Training, ASU/ Bahrain.
- Moodle Course Building for Teacher, from 16 to 21 September 2015, at the Academic Staff Development Unit in ASU/ Bahrain.
- E-Library Linked with Arado Portal and Gale DB, on 14 September 2015, at the Academic Staff Development Unit in ASU/ Bahrain.
- 10174: Configuration and Administrating Microsoft SharePoint 2010, from 27 November to 13 December 2011, at Arab Academy for Microsoft Technology/ Jordan.
- 6420: Fundamental of Windows Server 2008 Network and Applications Infrastructure, from 25 July to 4 August 2010, at the Arab Academy for Microsoft Technologies/ Jordan.
- Windows 7 Deployment, from 16 to 17 February 2010, at Microsoft/ Jordan.
- FP7 Contract Negotiation and Finance, from 6 to 7 of December 2009, organized by support to research and technological development and innovation initiatives and strategies in Jordan project, at the Higher Council for Science and Technology/ Jordan.
- Training workshops on How to Write Proposals for Research Projects and Writing a Research Project, Supported by the Scientific Research Support Fund, from 10 October to 12 November 2009, at the Higher Council for Science and Technology/ Jordan.
- Initial Liaison Officer Training, from 22 to 23 of April 2009, at the Higher Council for Science and Technology/ Jordan.
- Advanced Networking with Open Source Systems, from 20 to 24 of March 2006, at Multimedia University/ Malaysia.
- Mastering Object-Oriented Design with UML, on 23 of August 2003, at Multimedia University/ Malaysia.

COURSES TAUGHT

Jadara University/ Jordan

Strategies for Designing and Managing Databases (for master students),
 Digital Logic Design,
 Web Programming,
 Human-Computer Interaction (HCI),
 Software Engineering,

Database,
Graduation Project,
Industrial Training,
Special Topics in Computer (ORACLE),
Advanced Programming (Java),
Compilers,
Algorithms,
Programming I (C++),
Computer Skills for Science Students.

Applied Science University/ Bahrain

Software Engineering,
Algorithms Analysis and Design,
System Analysis and Design,
Compilers,
Database Systems,
Internship,
Object-Oriented Programming,
Management Information System

Jordan University of Science and Technology (JUST)/ Jordan

Advanced Database Systems (for master students)
Selected Programming Languages

Hashemite University/ Jordan

Human-Computer Interaction (HCI)

At Zarqa University/ Jordan

Software Engineering,
Advance Database,
Database Languages and Tools,
Design and Analysis of Algorithms,
Object-Oriented Programming,
Computer Skills I & II,
Database Systems.

At Multimedia University/ Malaysia:

Software Engineering,
Computer Programming (I and II),
Programming Language Concepts,
Database Systems,
Compiler Design,
Theory of Computing,
Multimedia Programming.

At The University of Nottingham/ Malaysia:

Compilers
Databases (for master students).

At Twintech SDN BHD/ Malaysia:

Software Engineering,
System Analysis and Design.

At Irbid National University/ Jordan:

Novell, Unix, Hardware Maintenance, C++, Prolog, and FoxPro.

At Yarmouk University/ Jordan:

Oracle Developer 2000 (PL/SQL, Form A, Form B, and Reports).

At Makkah Cultural Center for Computer/ Jordan:

Oracle Developer 2000 (PL/SQL, Forms, Reports, and Graphics), VB, Java, Delphi, Microsoft Office (Word, Excel, Power Point, FrontPage, and Access), C++, Pascal, QBasic, and FORTRAN.

RESEARCH INTEREST

Data Analytic, Big Data, Timetabling, Integrity Constraints, Object-Oriented Databases, Mobile Databases, and AI.

REFERENCES

Prof. Mohammad Batah	+962779080107	albatah@jadara.edu.jo	JU/ Jordan
Prof. Essam Al-Dawod	+962796680005	essamdz@zu.edu.jo	ZU/ Jordan
Prof. Iqbal Jebriil	+962780805011	i.jebriil@zuj.edu.jo	ZUJ/ Jordan