Enhancing Teaching, Learning and Graduate Employability through University-Enterprise Cooperation

ABAU

Liaison Office Activities Report

2023

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1. Competitions:

During 2023, ABAU's students have been participated in the following 5 competitions:

1. Fire fighting
2. Huawei ICT Competition, 2023.
3. First Robot Contest, Jan 2023
4. Sumo robot contest, July 2023
5. Creative Excellence Initiative, 2023

Table-1 shows the list of competitions and participated student in each one.

Table-1: Participated BAU Student's in National, Regional & International Competitions -2023

Competition during 2023

Competition	Details	Students
Huawei ICT 2023, Nov	Three students from Al-Balqa Applied University qualified in the preliminary competition leading to the finals of the Huawei International Competition, in which more than 1200 students from Jordanian universities competed.	Mohamaad Abu Saa (ENg) Yasmeen Alrefai (AI) Ammar Shehadeh The regional contest was held in Bahrain, Almanameh

Fire Fighter contest 2023	One of the relatively recent competitions in the field of robotics aims to simulate the process of extinguishing fires and saving civilians using robots. This year's competition talks about a simulation of a fire in a tower, and the robots involved in transporting the water needed to extinguish the fire, save the animals and keep them out of danger.	

First Robot Contest, Jan 2023	It was organized by the College of Artificial Intelligence, in cooperation with Cyberx, Orange, Quill, Wasla, Kingdom Restaurant, Nescafe, and Save Side stores, in the presence of the Dean of the College, Dr. Hamza Al-Dabbas, the Dean's deputies and assistants, and a number of students.	

Sumo robot contest July 2023 Hussein Technical University		
Students from Al-Balqa Applied School win third place in the Creative Excellence Initiative organized by the Jordanian Design and Development Center (JODDB) The winning student project “MAMBA” is one of the projects supported by the Center for	Sep 2023	

Innovation, Creativity and Entrepreneurship at the university, and this project works to find a safe way to detect and remove mines in order to preserve human safety and to create a world free of mines and avoid the dangers that arise from them. because of wars. Professor Dr. Aws Al-Qaisi - Director of the Center for Innovation, Creativity and Entrepreneurship, also indicated that the center is based on supporting students' creative		

ideas and encouraging them to participate in events and competitions that enhance student creativity and excellence. He explained that the center supported the Malba project and provided all logistical and technical support for the students to To be able to excel and compete with their peers in other universities.		

2. MoUs

Local MOUs provided by Collaboration and International Unit, ABAU

Organization/Company	Year	Scope
Partners for Good	2023	Student Training and Academic Collaboration oration
Progressive Generation Studios	2023	Training Collaboration
German Jordanian University	2023	Training Collaboration
Ministry of Education	2023	Educational Collaboration
Independent Election Commission	2023	Training Collaboration
Additional MoU Articles for the University of Jordan and Public Security Directorate	2023	Academic Collaboration
The University of Jordan	2023	Academic Collaboration
Top Deal Media	2023	Training Collaboration
Public Security Directorate	2023	Academic & Training Collaboration

3. Seminars and workshops

No.	Workshop/ seminar name	No. of participant	Link	Date
1	Kuka robot training workshop by TechWork	10	https://www.bau.edu.jo/BauLivePortal/NewsDetail.aspx?news_id=11624&newsSourceType=1	21-12-2022
2	Cybersecurity training workshop	25	https://www.bau.edu.jo/BauLivePortal/NewsDetail.aspx?news_id=11845&newsSourceType=1	15-2-2023
3	Orange Academy introductory session	25	https://www.bau.edu.jo/BauLivePortal/NewsDetail.aspx?news_id=12031&newsSourceType=1	21-3-2023
4	Creativity using embedded systems and Arduino	25	https://www.bau.edu.jo/BauLivePortal/NewsDetail.aspx?news_id=12317&newsSourceType=1	15-5-2023
5	Employability skills for IT & computer engineering students with collaboration ORANGE	60	https://www.bau.edu.jo/BauLivePortal/NewsDetail.aspx?news_id=12450&newsSourceType=1	9-7-2023
6	Embedded Systems programming for graduation projects for Computer engineering	15		10-7-2023
7	Embedded Systems programming	20		22-7-2023
8	Internet of Things IoT	21	https://www.bau.edu.jo/BauLivePortal/NewsDetail.aspx?news_id=12523&newsSourceType=1	1-8-2023

9	Microsoft Excel for governmental employees	20	https://www.bau.edu.jo/BauLivePortal/NewsDetail.aspx?news_id=12894&newsSourceType=1	1-11-2023
10	Awareness session for IT and communication engineering	30	https://www.bau.edu.jo/BauLivePortal/NewsDetail.aspx?news_id=12892&newsSourceType=1	2-11-2023
11	ADSL workshop	44	https://www.bau.edu.jo/BauLivePortal/NewsDetail.aspx?news_id=13042&newsSourceType=1	7-12-2023

ABAU have planned for two workshops, one during February 2023 and the other one during December 2023, and hosted a workshop which was offered by Dubrovnik university as follows:

1. Business Entrepreneurship and Liaison with Industry , Dec 24th 2023, ABAU
2. Scientific day for ICT students February 2023
3. Digital business tools workshop, Feb 21st 2023. ABAU

Details are as follows:

Business Entrepreneurship and Liaison with Industry , Dec 24th 2023, ABAU

Presenters from Quartz company and Center for Innovation, Creativity and Entrepreneurship in ABAU at the auditorium of Faculty of Al-Salt Technical School.

ELEGANT

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AL KAMALYEH

Scientific day for students of the Prince Abdullah bin Ghazi College of ICT.

Prince Abdullah bin Ghazi College for Communications and Information Technology organized a day and programming activity in the presence of the Dean of the College or the Deputy Dean, heads of academic departments, faculty members, Assistant Dean for Student Affairs, and college students, at the late Marwan Al-Hamoud Theater.

The activity included a dialogue session featuring Moatasem Shaheen, a university graduate and owner of a tech factory. He shared his experiences in the private sector, highlighting the importance of skill development, pursuing excellence, and choosing the right path and specialization where students can truly shine. Shaheen also discussed common challenges faced by graduates entering the workforce.

Faculty member Dr. Mohammad Ryalat emphasized the student's responsibility in choosing a path that sparks their creativity and passion, where they feel the potential for excellence. Dr. Ryalat further stressed the importance of acquiring communication and self-learning skills early in university studies, alongside gaining general knowledge and information.

The program also highlighted student work through individual and group programming projects. Additionally, Transition Tech participated, with Amer Al-Atrash highlighting the value of programming, career paths within programming companies, and strategies for finding job opportunities or launching your own venture through student projects.

Students further engaged in a competitive data visualization challenge using presentation software and mobile phones.

The event also included a number of activities through wide participation from local and regional companies. Below are the most important companies that participated and the names of the experts who presented presentations related to the labor market and industry:

Expert Name	**Company**
Motasem Shaheen	Tech Factory
Ahmad Qasem	Pioneers
Abdullah AbuSalah	Amazon
Osama Dosouqi	Better Life
AbdulRahman Haj Qasem	Fluuter for All

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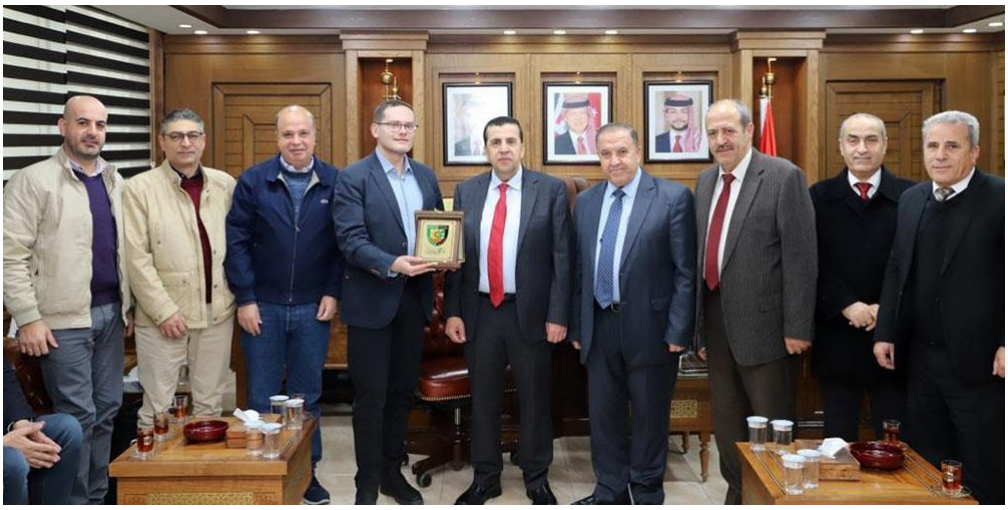
شركة
Transtion Tech
عرض
لأعمال الطلبة
فقرة
حوارية
مسابقة
الجمهور

Digital business tools workshop (hosted by ABAU)

This workshop was hosted in ABAU at the Korean Jordanian ICT center, the seminars were as in the Table below:

Seminar	Presenter(s)
ELEGANT project overview	Prof. Tariq Alazab Dr. Nebojsa Stojcic
Digital business transformation	Dr. Božidar Jaković
Digital brand management	Dr. Zoran Krupka
Marketing innovation	Dr. Goran Vlašić
Future of higher education: Ranking, accreditations and internationalisation	Dr. Jurica Pavičić



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السيبراني

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4. List of Companies

The table below list some examples of the companies that the students have internship in :

1. Zoy for Smart systems
2. Dar Dawaa for Investments
3. Identical Technologies
4. Logata for big data and AI
5. Jordan Computer Socity
6. Quartz for control systems
7. Prime Academy
8. The 83 company
9. Onex
10. Shay for AI

Note: you can find the full list of companies in Arabic (in the student placement files)

5. Graduation Project Evaluation

The evaluation process of the Graduation Project is based on the students work, written report, and presentation.

The team members should show that all of them applied, analyzed, synthesized and evaluated information, and then communicate significant knowledge and understanding. All team members must defend their project in front of the committee members and must answer all questions of the committee members.

Best project award CodePulse

A web-based code collaboration platform that allows developers to work together on coding projects in real-time. The platform should provide features for code editing, version control, real-time collaboration, and communication tools to enhance teamwork and productivity.

Team members:

1- Ahmad Abed Ibrahim Allan

2- Jaafar AbdalMajid Muflih Al-Wahsh

Supervisor: Dr. Khalid Alkarabsheh

Github repo: https://github.com/AhmadAllan/CodePulse

The discussion committee consists of:

1- Project Supervisor
2- Two faculty Members
3- Industrial representative (BAU Partner's for GP evaluation)

BAU Partner's for GP evaluation: **Quality Business Solutions (QBS)**

Quality Business Solutions (QBS) is a leading technology services' provider, providing bleeding edge business solutions and consultation with focus in governmental, telecommunication, financial, and industrial sectors. Our business solutions include, but not limited to, Enterprise Application Integration (EAI), Business Process Management (BPM), Business Intelligence (BI), Project Management, Consultation, and Custom Software Development. Our focused services and core capabilities of IT Consultation, BI, Modeling, Analysis, and Software Development help companies use IT technology as a leverage to improve business processes. The employees at QBS are mainly former managers who became senior officers in an early stage in their professional career; our consultants are highly trained and have high caliber in different areas of IT industry. QBS is specialized in Services, IT Consultation, and Automation services with focus on Telecommunications, Health, and Governmental Sectors. QBS has successful implementations in Jordan, UK, Qatar, and KSA. As well, it was selected as the 2014 Microsoft Partner of the Year for its achievements and work progress in delivery and customer satisfaction.

http://www.qbs.jo/WebsitePages/HomePage