Engineering Accreditation Commission

Hijjawi Faculty Newsletter

Issue 8 September 1st 2023

Yarmouk University
Hijjawi Faculty for Engineering Technology

Yarmouk University

Hijjawi Faculty for Engineering Technology

Our Vision

Towards a distinct faculty in teaching and research exists among 500 best faculties in the world in the various fields of engineering by the year of 2025.

Our Mission

Excellence in teaching, scientific research and community service through the provision of high-quality education in line with the latest developments in various fields of science and engineering, and closely linked with industry as well as various community needs.

Our Objectives

- Provide high-quality education in line with the latest developments in the various fields of science and engineering.
- Achieve partnership with industry to prepare qualified graduates to work efficiently in this sector.
- Establish research centers to get familiar with the community needs and work to find effective solutions to these needs.
- The presence as a strong competitor in the field of scientific research in the world, through the quantity and quality of scientific publications issued by the faculty.

Our Values

The faculty seeks to prepare the graduate to be a good person who is productive in his community and loyal to his country and nation. Therefore, the faculty focuses on developing the student's personality and inclinations, encouraging him to be creative, and developing his moral aspect, which contribute to the preparation of the elites and the leaders of the future.

*Established in **1984***

***9** Engineering Departments (**11** B.S. / **5** M.S.)*

*More than **27,000** Engineering Graduates*

***125** Academic Staff*

***70** Admin Staff & Lab Engineer*

Special Titles:

Featured Article

A Year of Modernisation: Perspectives on Foreign Students Attraction

Prof. Islam M. Massad, MD
President, Yarmouk University

After attending the interactive forum "A Year of Modernisation" that was recently held in the Dead Sea, and hosted by the Government to engage with partners and stakeholders on the Economic Modernization and public sector and to showcase achievements and discuss challenges in an open and collaborative dialogue, I want in this article to shed light on one of the higher education priorities, which is attracting more foreign students.

His Majesty King Abdullah II attended the closing session of the forum, which was held under the directives of His Majesty for the necessity of conducting periodic reviews for evaluation and follow-up, and to stand on the scale of achievement with full transparency and clarity, to overcome obstacles, and to follow up on the progress of work on the Executive Program of the Economic Modernization Vision and the initiatives included in it.

One of the Initiatives and Priorities of the Higher Education Sector that is specified in the Executive Program for the Economic Modernisation Vision is: "Institutional and sustainable networking with partners in the higher education sector to support employment and investment and improve Education outcomes;" the action plan for implementing this initiative is: "Developing and implementing Foreign Students Attraction Plan", and on 2024 we should start Implementing the outputs of this Plan.

Our role at Yarmouk University in interpreting these initiatives into practice is focusing on the following:

1. Developing academic programs commensurate with the needs of the international labor market to keep pace with global developments and technology, through the capacity building of students in foreign language, digital transformation, innovation, etc.
2. Improve the University's ranking internationally, by gaining international accreditations for its different programs.
3. Inspire our young students by offering a variety of programs combined with excellence in teaching, opportunities for community service, and encouragement of innovation.

With the rapid scientific and technological progress, Higher Education, like other service sectors, is required to keep pace with rapid development and benefit from it. To cope with the International and local market changes and needs, we started offering new academic programs such as Computer Engineering: Internet of Things, Digital Arts, Supply Chain and Logistics Management, Biomedical Systems &Informatics Engineering, Business Law, Infection Control & Epidemiology, and Hospitality Management.

We will continue to develop other programs to keep pace with the rapid global development and to reach the goals that we seek.

Industrial Advisory Board's Message

Exploring New Frontiers for Engineering Curricula at Hijjawi Faculty for Engineering Technology

H.E. Prof. Dr. Labib Khadra
Advisory Board Member

In the wake of Industry 4.0 and the evolutions that are taking place in internet and cloud technology, it is critically important to rethink engineering curricula, not only in terms of the 'hard' or technical skills but, equally as necessary, with regards to soft skills. Machines can nowadays be relied on to provide knowledge, information, and intelligence (to a certain degree). This renders our human skills such as creativity, critical thinking, problem-solving, reasoning, empathy, to name a few ever so important. Engineering problems are rarely simple or single-faceted. They are multidisciplinary by nature and application. This gives rise to the need for new curricula that are flexible and dynamic. Ones that are inherently able to continue to evolve and adapt to the constant change.

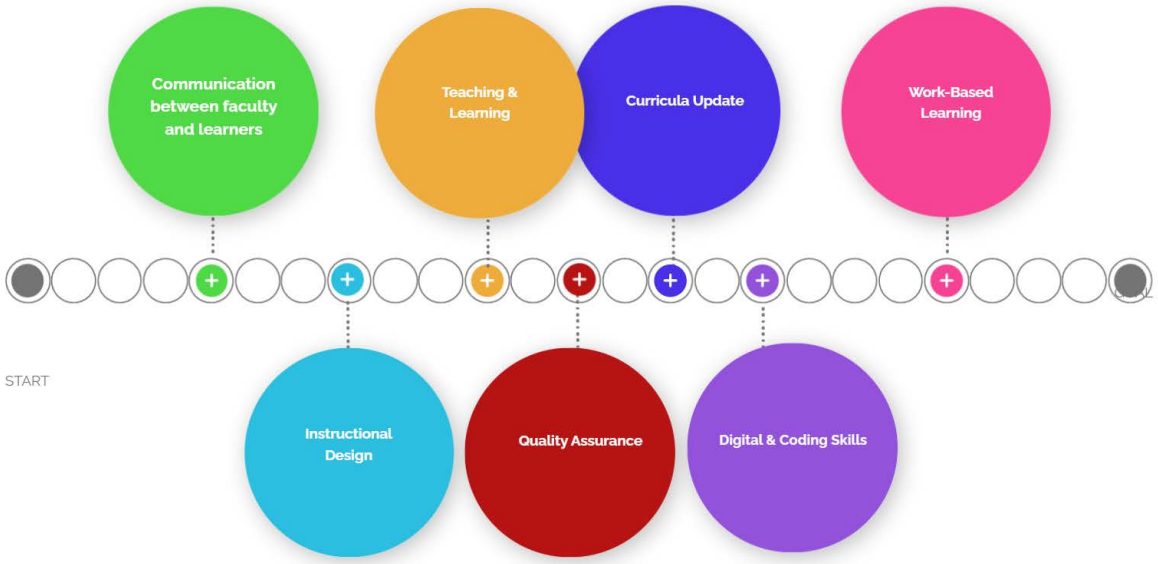
I am pleased to share my ideas and suggestions with the Hijjawi Faculty for Engineering Technology in this document, which was co-authored by Zein Habjoka, to support your mission of continuous improvement.

By now, AI has found its way into our households, conversations, and classrooms. It would be extremely difficult to find a higher education institution where the topic of AI, and specifically generative AI, is not debated by learners, faculty, or among both. We reflect here on the ways that we can make technology work for us, not against us, as we face the reality of change. The topics herewith are organized thematically, although they are all interlinked by the common theme of technology. A list of online resources have also been added for reference. The document ends with information on the Pearson BTEC qualifications to give insight on the practicalities of introducing such a program.

Defining the Approaches to Teaching & Learning in the Context of Technology

Technology needs to be addressed across the entire spectrum of the teaching and learning process, both as an enabler and a transversal skill. A clear approach to Teaching & Learning provides a description of the attitudes and behaviours towards the learning process that need to be demonstrated by learners and faculty. A set of practices and values can also be set to influence the design and delivery of learning. To arrive at this, a series of discussions around outcomes, strategy, technology, quality assurance, professional development, assessment, and evaluation would need to take place at the faculty level. This process needs to be data- and evidence-driven. The student voice should be part of this as well.

The figure below takes one element - technology, and shows where it can be used across the entire spectrum of the teaching & learning process. The figure demonstrates that technology needs to be injected at all levels of interaction between faculty and learners, and not just as a subject matter that is taught in a classroom. Using technology at every touchpoint whether in curriculum planning, instructional design, learning management, assessment design and submission, communication, quality assurance, and even while learners are on their internships will establish that desired culture, help learners grow their digital skills, making them true digital natives.



Instructional Design Technology

Any form of teaching whether in-class, hybrid, or fully online requires instructional design. In Jordan, it is common for the instructor to play the role of instructional designer. Not only does instructional design result in more effective learning, it can also standardize instruction, promote collaboration among faculty, facilitate future development and quality assurance. There are plenty of resources online to help faculty members learn about instructional design and find tools to facilitate creating more engaging and effective classrooms. The instructional design practice needs to also be discussed cooperatively at the faculty level. There are many models which are worth exploring that are easy to apply, some of those are:

1. ADDIE
2. SAM
3. Dick and Carey
4. Backward Design
5. Gagné's 9 Events of Instruction

Using Technology to Enhance Work-Based Learning

Apprenticeships and internships are two examples of work-based learning. All applied engineering programs nowadays require some form of industry placement. Asking learners to find and/or do an internship does not necessarily lead to an effective experience, it might, but it would be entirely up to circumstance.

To guarantee an effective internship, a few things must be set:

1. A detailed process and regulations to govern the entire process
2. Learner must be aware of the skills that they have
3. A plan for each learner-employer pair that is based on the skills that the learner should demonstrate & acquire during their internship
4. An assessment plan (such as end-point assessment) for those skills. The employer must take part in the assessment

5. An evaluation plan for the entire internship to measure the effectiveness of the process and to allow for continuous improvement
6. A communication plan between the assigned faculty member(s) and the learner while they are on-the-job. Using online tools for communication, data collection, and visualization, the learner can stay connected to their faculty and the College administrator can monitor and record the learner's performance while they are on the job
7. Measures to guarantee workplace safety and social protection while the learner is in the workplace

This will add some administrative and academic workloads of course. However, the outcomes from such internships or placements are guaranteed to be more effective and even produce deeper engagement between industry partners and the College as a whole.

Technology as a Core Theme Across all Curricula

As we prepare our graduates for the world of work, uplifting their digital skills becomes a necessity. We certainly would want to avoid having graduates who are overqualified and underskilled, a symptom of traditional higher education systems. Our approach to skill building needs to go beyond the basic communication tools such as Office 365 or Google. Computational thinking and advanced software tools for each subject matter are required. This will enhance the learners' problem-solving skills and break any barrier that they might have with adopting new technology.

A successful engineering freshman in the 21st century should be adept with using most of the tools below. This list can be made even more specific to each department within the Hijjawi College. Most of these courses are free to audit with the option for paid certification.

Skill Group	Tools	Courses
Communication & Collaboration	Office 365 Google Workspace Cloud Fundamentals	Microsoft Learn Google Workspace Training Microsoft Azure Fundamentals Learning Path
Data Collection & Management	Excel Google Sheets	Work Smart with Microsoft Excel Google Sheets Advanced Topics
Data Visualization	PowerBI Google Data Studio	Microsoft Learn: PowerBI Introduction to Data Studio
Design Technology	AutoCAD Google SketchUp Bentley *(includes Digital Twin software iTwin)* Building Information Modelling (BIM)	Autodesk Certified Professional: AutoCAD for Design and Drafting Exam Prep Sketchup Campus Bentley Education The University of Maryland, College Park: Virtual Building Design for Engineers Using Autodesk Revit
System Design	MATLAB	MATLAB Academy
Coding	R Python C++ One Million Jordanian Coders on Udacity	Introduction to R Programming for Everybody: Getting Started with Python Jordanian Coders website

The Jordanian Coders initiative by the Crown Prince Foundation offers 4 IT pathways on Udacity that any learner in Jordan can take and certify for free. The pathways are: full-stack development, android basics, front-end development, and data analysis. All Hijjawi learners can benefit from this certification.

Open Learning: Leveraging MOOCs and Industry Certifications

Microcredentials have become so well-recognized and regarded that some global companies nowadays hire based on the skills acquired by candidates who have taken these courses as opposed to formal qualifications. The breadth, accessibility, and quality of those courses allows for learners to build careers out of this type of learning. Faculty may choose the degree to which they would want to leverage such resources, for example:

1. Reinforce prior learning: assign course pre-work using online resources
2. Complement curricula: augment coursework with self-taught modules.
3. Equivalence: curate certain courses that, if certified, learners would claim as equivalent. For example: the CPE 150 and 150L Introduction to Programming courses can be awarded, through equivalence, to any learner who has completed the University of Michigan's Programming for Everybody (Getting Started with Python) course on Coursera. Industry certification may also be used for the same purpose: the CPE 562 and 562L award for holders of the CCNA certification is a simple example.
4. Professional Development: engage faculty and staff in lifelong learning.
5. Address talent shortage: use MOOCs to offer state-of-the-art subjects without having to recruit scarce talent in areas such as quantum computing, deep learning, or data mining for smart cities.
6. Inject technology into all engineering departments: where adding courses to the current study plans is not possible/feasible, the necessary digital skills listed above may be offered using MOOCs.

The benefits of this approach are numerous: organically uplift curricula, up/reskill faculty and staff, help learners learn autonomously, relieve operational pressures on courses with high attendance, make learning more applied without stretching campus resources, offer state of the art courses at pace with technology, and so on.

Handling Generative AI

The faculty at Hijjawi need to determine their approach towards generative AI. This begins by creating awareness as to what it is and its potential impact on faculty, learners, and the educational process. There are many ways to deal with generative AI, some of these are listed below. When identifying the approach, one needs to remember that the impact of generative AI continues to evolve, and there is no one approach that will be absolutely effective, it can be a dynamic selection of one or more.

1. Restricting use: banning altogether the use of generative AI. The effectiveness of this measure is debatable.
2. Guiding use: to maintain academic integrity, learners must understand that generative AI is a large language model, it generates many forms of output (such as text) and can sometimes 'make up' plausible text to fill gaps when it needs to. This text does not necessarily have to be accurate or true. Plagiarism detection tools have also evolved to use AI, but those are not 100 percent correct all the time and can produce false positives. Using AI plagiarism detection tools to classify language as human or AI generated is basically having one AI model investigate the work of another. Building the right awareness within the learner community and setting strong ethical and academic integrity standards among learners can be very effective in minimising the negative effects of generative AI.

3. Incorporating: Helping learners benefit from generative AI as a universal tutor can support faculty with their mission. Learners can complement their 'formal' learning with hyper personalised support from generative AI. Faculty may also choose to incorporate generative in the classroom, for example by allowing learners to critically assess the outputs of large language models around a certain topic.
4. Enhancing: generative AI can help faculty design course content at a faster pace, thus freeing up more time for creating more engaging learning, offering student support, and research.

Soft Skills

Learning soft skills can be likened to learning how to swim. A lecture on its definition, origin, types, or forms can only take the learner so far. The skill is only acquired by practice. To build an effective soft skills 'program', and not a course, the development of these skills would need to happen universally. Here are a few suggestions:

1. The Hijjawi learner attributes are defined in the College's approach to Teaching and Learning
2. These learner attributes are mapped to skills that are acquired by learners and modelled by faculty
3. Technical courses are responsible for building soft skills (creativity, problem-solving, collaboration, time management, ...) through intentional learning experiences
4. Extracurricular activities are designed to serve the desired Hijjawi learner Attributes

Here are some resources for further reading:

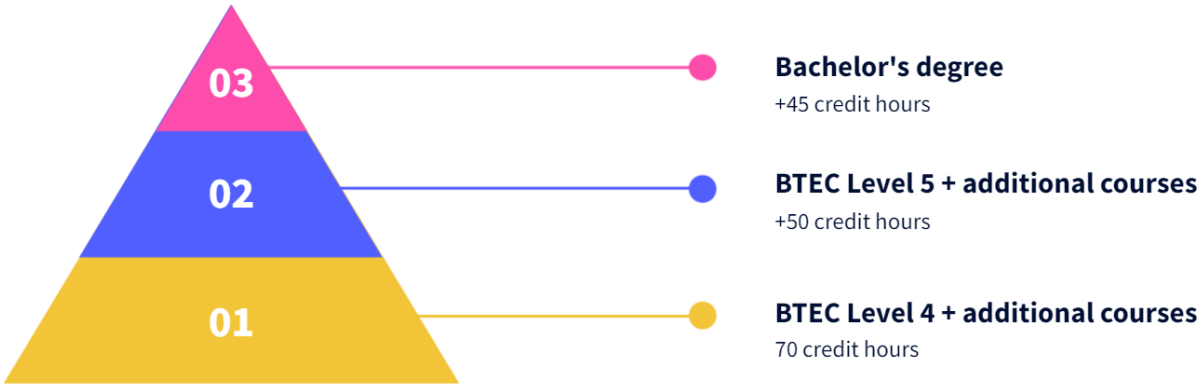
- Cambridge Assessment International Education (2021). Implementing the Curriculum with Cambridge A guide for school leaders.
- Massachusetts Institute of Technology (2018). Online Course Design Guide – Digital Learning Toolkit
- Massachusetts Institute of Technology (2023).
- https://open.mit.edu/c/teachremote/56p/resources-addressing-aichatgpt-and-your-teaching
- Purdue University (2023). What is Instructional Design?
- The University of Arizona (2021). Top Skills for Software and Computer Engineers.
- UNESCO (2023). Generative Artificial Intelligence in education: What are the opportunities and challenges?
- British Council (2021). Preparing Work Ready Graduates for Employment in Jordan.

Pearson BTEC Curricula

Now that the Ministry of Education has announced that public school students will receive their BTEC International Diplomas at Levels 2 and 3. A total of 54,000 learners in the next 3 years are expected to take these courses. A few private schools such as ISO Educational School and the Islamic Education College are also offering BTEC programs to secondary school learners.

BTEC is a qualification that relies on rigorous quality assurance, holistic assessment, applied learning, problem solving, and up-to-date curricula that are codesigned with industry partners. Higher education institutions that are used to other forms of accreditation systems such as ABET will immediately sense a huge paradigm shift. BTEC provides the learning outcomes for each of the units with all the qualifications as well as the grade descriptors, and so the learning provider (university) will have to provide evidence that their teaching and learning is designed to help learners achieve those outcomes and that the assessments that they design measure those descriptors transparently and fairly. External assessors from Pearson will regularly visit universities and inspect program documents and even challenge assessments, the outcomes of these visits can lead to program blockage for noncompliance.

Technical and transverse skills are built into the BTEC program. And the quality assurance system and curricula certainly impact the learning outcomes. A University can also incorporate BTEC qualifications into their curricula as a set of cascading awards such as:The Hijjawi learner attributes are defined in the College's approach to Teaching and Learning:



A learner that intends to obtain a Bachelor's degree in electrical engineering will earn their BTEC Higher National Certificate Level 4 after 1.5 years, their BTEC Higher National Certificate Level 5 after 1 more year, and their Bachelor's degree one more year later, making the total an approximate 4.5 years. The University can choose the credit hours that are associated with each course so that it satisfies local accreditation requirements.

Dean's Message

I'm delighted to welcome you to the third issue of the Hijjawi Faculty for Engineering Technology Newsletter in 2023, in which we attempt to portray the Faculty through the eyes of its students, faculty members, and management personnel. Here in this welcome message, I try to present what we have achieved in the third quarter of this year 2023, and I briefly touch on my action plan for the next quarter of this year.

This issue starts with a featured article for President Massad, in which he describes his own perspectives on attracting foreign students, in response to the executive program of the economic modernization vision. H.E. Prof. Labib Khadra presented a roadmap to modernize the Hijjawi programs in response to the disruptive changes in technology and labor market needs.

Again, the Faculty was able to conduct approximately fifty activities with the help of its Faculty members and students. In addition to the activities, our faculty members and students demonstrated their excellence through their great achievements during this short period -- something that will certainly continue in the future, with the full support we receive from the top management in the university.

I summarize our main achievements in the second quarter of this year as follows:

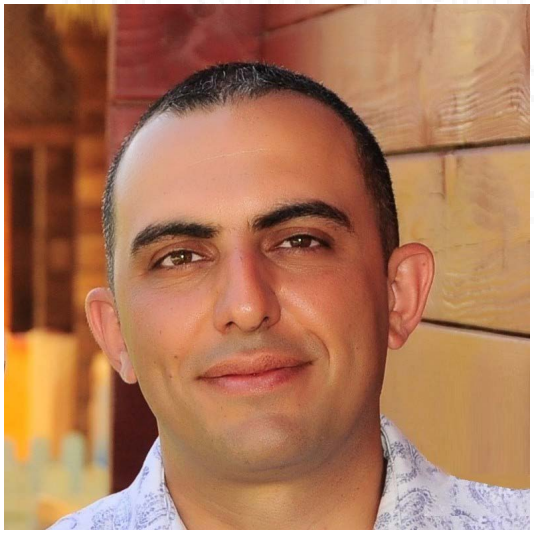
- We received the ABET accreditation for three undergraduate programs: communication engineering, biomedical systems engineering, and biomedical informatics engineering. This adds up to the three accredited undergraduate programs we received last year, computer engineering, industrial engineering an electronic engineering. Currently, we are working on ABET accrediting the electrical power engineering program.
- We developed two new unique programs, and we will start receiving students this coming Fall; bachelor in computer engineering / Internet of Things and masters in biomedical systems and informatics engineering. Both programs are now accredited by the AQACHEI.
- We updated our curricula to include four unique components: (1) a second-year mandatory course in artificial intelligence application in engineering, (2) four career development and advising courses, (3) industrial certificates, and (4) foreign language, where the student studies four courses in one of five offered languages; French, German, Spanish, Chinese, and Turkish.
- We were able to conduct the first meeting for the industrial advisory board of the faculty. The meeting was great, and resulted in many actions. The next meeting will be on Oct. 1, 2023.
- Two PhD students in biomedical informatics and biomechanics funded by Yarmouk University started their PhD journey in the University of Arizona and University of Florida. We also nominated three PhD students in smart grids and power systems to join top schools, worldwide, funded by Yarmouk University. We plan to continue this abroad scholarship program live, where the next action is to offer scholarships in various demanding computer engineering disciplines.
- Ten lab engineers were appointed to support our departments with the required qualifications to cope with the changes in the curricula.

I hope you a pleasant experience as you read this issue of the Faculty newsletter. I'm sure that you will notice the energy of our students, something that makes us more confident about our future.

Prof. Mwaffaq Otoom, PhD
Dean

Alumni

Dr. Fadi Obeidat



Dr. Fadi Obeidat (Class of 2005), is currently working as an Engineering Manager and Consultant at Synopsys Inc. for the EMEA region. He recently moved to Jordan after spending 15 years in USA where he worked as a Customer Engagement Product Architect at Cadence Design Systems (20202022-), as an Emulation Consultant at Synopsys (20142020-), and as a Component Design Engineer at intel corporation (2010 to 2014). Dr. Obeidat has extensive experience in deploying FPGAs and Emulation Technologies to accelerate System-on-Chip (SoC) Design and Verification. Dr. Obeidat conducted research in the following areas Embedded Systems, Unmanned Arial Vehicles (UAVs), Performance Modeling, Emulation, and Engineering Education. He is also has a U.S. Patent in the field of ecommerce applications. He received his B.S., M.S., and Ph.D. degrees in Computer Engineering from Jordan University of Science and Technology (JUST), Yarmouk University, and Virginia Commonwealth University (VCU) respectively.

Eng. Hiba Metani

Eng. Hiba Metani (Class of 2015), UX Researcher at UX Labs, Google For Developers Amman Lead, Program Mentor at Google Startup Accelerator for MENA, a Google's women techmakers ambassador, and a thankful Mom.

She graduated with a bachelor's degree in computer engineering from the Hijjawi Faculty of Engineering and Technology. In 2019, Hiba founded the Google developers groups Amman, opening many opportunities to newly graduated students and juniors in the technology field. She organized some of Google's annual events here in Amman, including Google I/O Extended 2019, Google Developer Festival 2019 & 2020, Google Cloud Next Extended 2020, International Women's Day 2019, 2020, & 2021, as well as many in-person and online events, and study jams with the organizers of her community team.

Besides being a highly accomplished educator, Hiba has been authorized by Google to teach UX master classes for startups in Jordan; she has had the pleasure of conducting them for all interested companies. Her contributions to community service have earned her a reputation as a respected and accomplished leader.

Eng. Alaa Wrikat

Eng. Alaa Wrikat (Class of 2015) is a distinguished professional with a profound commitment to advancing the fields of telecommunications and cybersecurity. His journey is a testament to his unwavering dedication to academic excellence, professional growth, and the dissemination of cybersecurity knowledge.

Alaa's academic journey commenced with a stellar accomplishment - graduating at the top of his class (class of 2015) from the Hijjawi Faculty for Engineering Technology in Telecommunication Engineering, an achievement that set the stage for his future success.

He further honed his expertise through rigorous academic pursuits, earning a Master of Science in Electrical/Telecommunication Engineering from Princess Sumaya University for Technology (PSUT) in 2020. His relentless pursuit of knowledge led him to the University of Jordan, where he earned a Master of Science in Web Intelligence in 2023, culminating with a perfect GPA of 4.0.

Alaa's commitment to staying at the forefront of his field is evident in his extensive list of certifications. He holds prestigious credentials such as CISSP from ISC2 and CISM from ISACA, where he achieved the distinction of being the top scorer in Jordan in 2021. Remarkably, he possesses more than ten cybersecurity certificates, reflecting his dedication to mastering this critical discipline.

Alaa's professional trajectory embodies his dedication to excellence and expertise in telecommunications and cybersecurity. He became an active ISACA member in 2021, further solidifying his commitment to the industry.

His career journey began as a Computer Network Engineer at Cisco TAC in Jordan in August 2015, where he honed his skills in troubleshooting and supporting complex network infrastructures. He then transitioned to the Royal Jordanian Airline as a Network and Security Engineer, where he contributed significantly to the airline's operational efficiency and security.

Alaa's passion for education and knowledge-sharing became evident during his tenure as a Computer Networks and Security Instructor at Princess Sumaya University for Technology from September 2017 to April 2018.

In April 2018, he embraced the role of an ICT Standards Engineer at the Jordan Standards and Metrology Organization (JSMO), showcasing his adaptability and diverse skill set.

For the past several years, Alaa has held multiple positions at the Central Bank of Jordan, where his contributions have been nothing short of exemplary. As the Cybersecurity Operations Team Lead in the Jo-FinCERT unit, he plays a pivotal role in protecting the financial sector from cyber threats. Additionally, he has made substantial impacts as a Cybersecurity Specialist and an IT Security Specialist within the bank's IT department.

Alaa's commitment to advancing the cybersecurity domain extends to providing technical consultations and cybersecurity expertise to numerous clients across various industries. He has also contributed significantly to raising awareness and knowledge of cybersecurity best practices by delivering multiple cybersecurity training courses at universities and professional associations.

His mentorship and guidance have positively impacted students and professionals seeking to embark on careers in cybersecurity. Alaa's contributions to the field include a recent publication titled "Mobile Money Fraud Detection using Data Analysis and Visualization Techniques" in a prestigious journal, showcasing his dedication to advancing the state of knowledge in cybersecurity.

His exceptional achievements have been acknowledged with several notable awards, including the Jordan Engineers Association (JEA) Top of Class Award for the class of 2015, the ISACA CISM Top Scorer in Jordan for 2021, and the Idea Bank project award, funded by the U.S.-Middle East Partnership Initiative (MEPI).

Alaa Wrikat's journey is a testament to his unrelenting pursuit of excellence, his commitment to cybersecurity, and his dedication to advancing the fields of telecommunications and technology. His remarkable achievements, extensive expertise, and contributions to knowledge dissemination underscore his pivotal role in shaping the future of these industries.

Eng. Majdi Qabalin

Eng. Majdi Qabalin (Class of 2019), serving as the esteemed Chairman of the Cyber Security Committee at the Jordanian Engineers Association, he has carved a significant niche for himself in the realm of cybersecurity. His prowess in the domain has made him a sought-after consultant for eminent companies like EDCO, Menaitech, and KEMAPCO. Notably, his specialization lies in digital forensic investigation and the application of cybersecurity standards tailored for industrial setups.

Furthermore, he takes pride in his advisory role within the Ministry of Digital Economy and Entrepreneurship. Here, he offers his insights directly to the Minister for the youth and job technology initiative, a significant project that has garnered financial backing from the World Bank.

His journey began in the scenic terrains of Tafila, Jordan, where he spent his formative years. His thirst for knowledge led him to Tafila Technical University, where he earned his bachelor's degree in computer engineering. This academic pursuit ignited a passion for information and network security, particularly concerning industrial automation. His educational journey continued at Yarmouk University, where he specialized in Embedded Systems Engineering, graduating from the prestigious Al-Hijjawi College. Further amplifying his credentials, he acquired a master's degree in Cybersecurity and Digital Forensic Investigations from Princess Sumaya University, where he graduated with honors.

Over the years, he has added a plethora of specialized certificates in cybersecurity to his arsenal, showcasing his commitment to continuous learning and mastery in the field. His remarkable contributions to cybersecurity research and development are widely recognized in academic and professional circles.

His foray into the academic world saw him imparting knowledge at the University of Applied Sciences. However, his ambition led him to pivot to the industrial sector, where his expertise found a fitting role as a consultant and subject matter expert to various prominent entities.

One of his pivotal contributions has been guiding numerous companies in assimilating global cybersecurity standards into their operations. He has played a vital role in the implementation of standards such as ISO/IEC 27001, NIST, PCI DSS, CIS, FISMA, and GDPR, ensuring that businesses not only safeguard their interests but also align with global best practices.

Eng. Ayman Wreikat

Eng. Ayman Wreikat (Class of 2004), holds a bachelor's degree in computer engineering from Hijjawi Faculty for Engineering Technology at Yarmouk University, and a master's degree in administration in 2022. He worked in several governmental and private institutions, most notably the Vocational Training Corporation, the Ministry of Education, and the Ministry of Labor.

He is currently working as Director of the Accreditation and Quality Assurance Directorate at the Vocational and Technical Skills Development Authority.

During his work in the Commission, he carried out several international support projects with the European Union, the German agency GIZ, the International Labor Organization, and the Belgian and Danish agencies. Several certificates in the field of monitoring and evaluation, evaluation of M&E, vocational and technical education institutions.

Dr. Ruba Alkhasawneh

Dr. Ruba Alkhasawneh (Class of 2005), is an Assistant Professor at Al-Ahliyyah Amman University in the Department of Communication and Computer Engineering. After living in the United States for fifteen years, she returned to Amman, Jordan in 2021 and worked for two years at the Applied Science Private University. She is currently leading the National Semiconductors Design competition organized by the fifth advisory company.

Dr. Alkhasawneh joined the Intel Corporation Austin's team in 2012 as a System Validation Engineer focusing on Pre/Post-Silicon validation by developing test plans and content to validate leading-edge projects using simulation, emulation, and silicon. In addition, she was a team lead performing Continuous Integration activities by defining, developing, debugging, and integrating software solutions for Data Centers projects. She worked as a part-time instructor at multiple online universities in the US to share her knowledge from the industry.

As a researcher, she is focusing on STEM education, AI, Automation, and Embedded Systems. During her Ph.D. journey, she had the opportunity to work as a research assistant and program coordinator for the Virginia North Carolina Louise Stocks Alliance for Minority Participation (VA-NC LSAMP) at Virginia Commonwealth University (VCU) funded by the National Science Foundation (NSF). Dr. Alkhasawneh earned her Ph.D. in Engineering from Virginia Commonwealth University (VCU), in 2011. She had her M.S. in Embedded Systems from Al-Yarmouk University and her B.S. in Computer Engineering from Jordan University of Science and Technology.

Eng. Majd Jamaah

Eng. Majd Jamaah (Class of 2017), DevOps Manager at Beyond Limits, a Cloud Google Developer Expert, a Cloud Innovator Champion at Google Cloud, a Program Mentor at Google for Startup Accelerator, and a Community Organizer at Google for Developers Amman.

As a seasoned professional, Majd holds the prestigious title of Google Cloud Developer Expert, a recognition bestowed upon an elite group of professionals who have demonstrated exceptional expertise in Google Cloud technologies. This accomplishment speaks volumes about Majd's deep understanding of cloud architecture, application development, and infrastructure management.

Not stopping at one pinnacle of achievement, He is also recognized as an AWS Professional, showcasing their mastery of Amazon Web Services and their ability to architect and manage robust cloud solutions. Their certifications from both Google and AWS stand as testaments to their dedication to staying at the forefront of cloud technologies.

Majd extends its expertise beyond its workplace, playing a pivotal role as a Program Mentor at Google for Startups Accelerator. By mentoring emerging startups and sharing insights gained through their journey, He contributes significantly to the growth and success of the next generation of entrepreneurs.

Furthermore, Majd is known for its role as a mentor to numerous passionate students, guiding them on their path to technology excellence. This commitment to fostering talent and nurturing potential reflects Majd's dedication to giving back to the community and shaping the future of the tech industry.

Driven by an insatiable thirst for knowledge, He actively conducts Cloud Study Jams, empowering others to dive into the intricacies of cloud computing and broaden their skill set. Majd's proactive involvement in such initiatives underscores their commitment to knowledge sharing and capacity building.

Additionally, He serves as an organizer at the Developers for Google Program, where they contribute to building a vibrant community of developers and enthusiasts, fostering collaboration and innovation.

Eng. Mohammed Kenanah

Eng. Mohammed Kenanah (Class of 1997) is the esteemed Chief Executive Officer (CEO) of Emitac Healthcare Solutions (EHS) LLC, a pioneering total healthcare solutions provider and integrator based in the United Arab Emirates (UAE) and serving the GCC region. EHS is a proud member of an Emirati-owned conglomerate and a valued component of the esteemed Emitac Group of Companies.

Mohammed hails from the picturesque city of Irbid, Jordan, where his educational journey commenced. His academic pursuits led him to excel in the field of Electronic and Biomedical Engineering, culminating in the attainment of a bachelor's degree from the esteemed Yarmouk University. This foundational education in his homeland served as a springboard for his illustrious career in healthcare leadership, propelling him to the helm of several global organizations, where his visionary leadership has left an indelible mark on the healthcare landscape of the UAE and the GCC region.

Eng. Kenanah accumulated a wealth of experience and expertise during his tenures at several global healthcare organizations including Al Faisaliah Medical Systems and GE Healthcare. As the General Manager at Al Faisaliah Medical Systems, headquartered in Riyadh, Saudi Arabia, Eng. Kenanah spearheaded strategic initiatives over a period of six years, making an enduring impact on the organization. His leadership in this role was marked by a commitment to excellence and innovation, which played a pivotal role in shaping the company's presence and reputation in the dynamic healthcare landscape in the region.

Subsequently, he undertook a remarkable nine-year journey with GE Healthcare, where he served as the General Manager for Turkey and the Middle East. During this extended tenure, he displayed remarkable vision and acumen in guiding GE Healthcare through a period of significant growth and transformation. His tenure at GE Healthcare not only solidified his reputation as a healthcare industry leader but also provided him with a global perspective that has since proven invaluable in his current role. His dedication to advancing healthcare solutions and fostering collaboration during these pivotal roles served as a precursor to the visionary leadership he now brings to Emitac Healthcare, where he continues to redefine healthcare excellence in the UAE and the broader GCC region.

With a wealth of leadership experience spanning both local and international healthcare domains, Eng. Kenanah brings a fresh and innovative vision to EHS, poised to catalyze a paradigm shift that will elevate the organization's healthcare business to unprecedented heights.

Eng. Kenanah's journey from his pivotal roles at Al Faisaliah Medical Systems and GE Healthcare to his current position as the CEO of Emitac Healthcare Solutions (EHS) since September of 2019 is a testament to his unwavering commitment to the healthcare sector. Building upon his extensive experience in healthcare leadership, His career trajectory exemplifies a relentless pursuit of excellence. His tenure at Al Faisaliah Medical Systems and GE Healthcare provided him with a deep understanding of the intricate nuances of the healthcare industry, both within the Middle East and on a global scale. These experiences honed his strategic vision and nurtured his passion for innovation, setting the stage for his ascent to the helm of EHS. As CEO, Mr. Kenanah now leads EHS with a profound dedication to enriching the patient experience, fostering partnerships, and pioneering healthcare solutions, thus propelling the organization to new heights and ensuring its continued prominence in the ever-evolving landscape of healthcare in the UAE and the GCC region.

Under Eng. Kenanah's astute guidance and visionary leadership, Emitac Healthcare has achieved remarkable milestones over the past 4 years, transforming into a fully customer-centric and future-ready organization. His unwavering commitment to enhancing patient experience and fostering enduring partnerships with valued customers has been central to this remarkable success story.

With Mohammed Kenanah at the helm, EHS is not only thriving but also poised to lead the healthcare industry into a future defined by superior patient experiences and groundbreaking solutions.

Faculty News

Hijjawi Faculty Receives ABET Accreditation for Three More Programs

ABET

ENGINEERING ACCREDITATION COMMISSION

Summary of Accreditation Actions
2022–2023 Accreditation Cycle

Yarmouk University
Irbid, Jordan

Biomedical Informatics Engineering (Bachelor of Science in Engineering Technology)
Biomedical Systems Engineering (Bachelor of Science in Engineering Technology)
Communication Engineering (Bachelor of Science in Engineering Technology)

Accredit to September 30, 2028. A request to ABET by January 31, 2027 will be required to initiate a reaccreditation evaluation visit. In preparation for the visit, a Self-Study Report must be submitted to ABET by July 1, 2027. The reaccreditation evaluation will be a comprehensive general review.

These are newly accredited programs. Please note that this accreditation action extends retroactively from October 1, 2021.

Hijjawi Faculty for Engineering Technology at Yarmouk University has been accredited by the Accreditation Board for Engineering and Technology (ABET) for three more undergraduate programs: Telecommunications Engineering, Biomedical Systems Engineering, and Biomedical Informatics Engineering. The result included granting accreditation (ABET) to these three programs without any notes and for a maximum period starting from October 2021, so that any student who obtained a bachelor's degree from any of these three programs during this accredited period can benefit from the advantages of accreditation (ABET). This result is considered the best result granted by the accreditation body (ABET) for the programs it evaluates.

President Prof. Islam Massad praised the efforts of the Hijjawi Faculty for Engineering Technology, its top management, the work team, and the specialized committees for the sincere efforts they made to reach this achievement. He also stressed the importance of continuing efforts in various faculties to obtain prestigious international accreditations to reflect the distinguished level and good reputation of Yarmouk University locally, regionally and globally.

In turn, the Dean of Hijjawi Faculty for Technology Engineering, Prof. Dr. Mwaffaq Otoom, praised the efforts of all the faculty and administrative staff in the Faculty who worked on this achievement. The Dean confirmed that work is underway to obtain ABET accreditation for the rest of the college's programs. In January of the year 2023, the college applied for accreditation (ABET) for another bachelor's program, which is Electrical Power Engineering, and it is intended to hold its evaluation visit during the second half of October of the year 2023.

It is noteworthy that the Faculty had announced last year that three of its bachelor's programs had obtained ABET accreditation, which are computer engineering, electronics engineering, and industrial engineering. Thus, the number of ABET-accredited programs in Hijjawi Faculty for Engineering Technology becomes six (6).

The Industrial Advisory Board of Hijjawi Faculty Holds its First Meeting

A specialized workshop was held in cooperation between Hijjawi Faculty for Engineering Technology and Jordanian Engineers Association /the Scientific Committee entitled "The importance of occupational safety and its fields in the labor market," presented by Eng. Taghreed Al-Qahhat - Jordanian Engineers Association, Irbid Branch and Eng. Murad Al-Marashdeh - Institute of Occupational Safety / Irbid.

Hijjawi Faculty for Engineering Technology at Yarmouk University held the first meeting of its industrial advisory board, which was formed out of keenness from Yarmouk University to enhance the role of the government, private and civil society sectors in developing higher education institutions, and linking its outputs to the needs of the labor market in order to achieve community partnership with state sectors and institutions and benefit from their experiences, supporting decision-making, in order to enhance cooperation and sustainable partnership at the level of the various faculties of the university.

The President of the University - Chairman of the Faculty's Industrial Advisory Board, Dr. Islam Massad, indicated that the university is heading within its strategic plan to form advisory boards for all university faculties, which include in its membership experts from the public and private sectors and specialists from outside the university, with the aim of strengthening the concepts of governance by involving these boards in developing faculty development plans, programs and curricula, and collecting feedback in line with the vision and plan of economic modernization.

Massad emphasized that this step aims to contribute to the marketing of the university's faculties and their graduates by providing them with training and employment opportunities through the bodies represented by the members of these boards.

For his part, the Dean of the Hijjawi Faculty for Engineering Technology, Dr. Mwaffaq Otoom, said that this first meeting of the board included introducing the status of the faculty and its proposed short and long-term plans for its development, indicating that the members of the board submitted proposals and observations about the plans proposed by the faculty in line with the needs of the labor market and technological developments, and the most prominent international practices in developing academic programs and programs for developing work skills for university students, provided that the faculty informs the board of the extent to which the performance indicators of these plans are achieved periodically.

It is noteworthy that the Industrial Advisory Board of Hijjawi Faculty for Engineering Technology includes in its membership Dr. Labib Al-Khadra, former Minister of Higher Education and Scientific Research, Eng. Maha Al-Ali, former Minister of Industry, Trade and Supply, Eng. Muthanna Gharaibeh, former Minister of Digital Economy and Entrepreneurship, Ms. Samira Al-Zoubi, Secretary General of the Ministry of Digital Economy and Entrepreneurship, Brigadier General Engineer Ayman Al-Batran, the Director General of the Jordanian Center for Design and Development, Eng. Bassam Fadel Al-Sarhan, the Chairman of the Board of Commissioners of the Telecommunications Regulatory Authority, Eng. Bashar Tamimi, the Director General of the Irbid Electricity Company, Mr. Abdul Rahim Zawahra, We Are All Jordan Youth Authority, Eng. Omar Al-Ayesh, CEO of the Electronic Health Solutions, Mr. Omar Juwaied, CEO of the "Industrial Cities Company", Dr. Nabil Al-Fayoumi, Vice President of the Royal Scientific Society, Eng. Rana Dababneh, Executive Vice President of Orange Jordan, Mr. Ayman Hijjawi, Chairman of the Board of Directors of Hisham Hijjawi Scientific Foundation, Dr. Adi Azar, CEO of Several Brands International, Dr. Fadi Obeidat, Director of Synopsys International Jordan Branch, Eng. Ibrahim Fazaa, Director of Luminous Jordan Start, Mr. Haitham Al-Rajabeh, Representative of the Communications and Information Technology Sector / Chamber of Commerce Jordan, Dr. Jihad Radaydah, the head of the Jordanian Engineers Association, Irbid branch, and the Dean of Hijjawi College of Technology Engineering, Dr. Mwaffaq Otoom.

Hijjawi Faculty Organizes its Annual "Scientific Day"

The scientific day event held at Yarmouk University's Hijjawi Faculty for Engineering Technology was a resounding success, drawing esteemed keynote speakers, students, and industry professionals from diverse engineering sectors. This annual event, taking place on July 25, 2023, was especially noteworthy for its focus on both academic and real-world applications of engineering and technology.

The opening ceremony kicked off at 9:30 a.m., featuring the national anthem, recitation of the Holy Quran, and a welcoming introduction. H.E. Eng. Maha Ali, Former Minister of Industry and Trade and Supply, offered the patron speech, emphasizing the importance of equipping students with the skills necessary for the rapidly evolving job market.

The event included five keynote speakers, touching on topics from semiconductor industries, presented by Dr. Fadi Obeidat of Synopsys Inc., to renewable energy and climate change by Samer Zawaydeh, a Carbon Markets National Expert. The day also showcased talks on Electronic Health Records, DevOps to MLOps transitions, and Lean Manufacturing.

Ms. Fatima Zamel, a Biomedical Engineering Student, gave a compelling student speech, spotlighting the challenges and opportunities for women in the engineering field. A competitive showcase of more than 45 student projects was another highlight, featuring exhibitions on various aspects of engineering and technology.

H.E. Prof. Islam M. Massad, the President of Yarmouk University, laid stress on the importance of continuous learning for faculty to keep abreast of modern developments. "Today's event is an integral part of our broader 'Youth Summer' initiative aimed at engaging students actively in different facets of public and professional life," said Prof. Mwaffaq Otoom, Dean of Hijawi Faculty for Engineering Technology, during the closing remarks.

The day concluded with a cultural activity and student competition, adding a dynamic and interactive layer to an already enriched program. The event served as an eye-opener for many, providing a platform to share ideas, innovations, and solutions that can contribute to the engineering and technology landscape, locally and globally.






The President and CEO of the IEEE Meets Hijjawi Faculty Students

The President and CEO of the IEEE, Prof. Saifur Rahman, called on the students of Hijjawi Faculty for Engineering Technology at Yarmouk University to persevere and strive in order to achieve their dreams and build the future they aspire to.

During the dialogue session organized by the faculty to review the activities of the student branch of the IEEE at Yarmouk University, which is one of the largest and most distinguished student branches in Jordan, he indicated that geographical borders and the place of origin of the individual should not stand in the way of his ambitions, and that young people should open up to the world and enhance their skills that qualify them to engage in the international labor market.

Dean of Hijjawi Faculty for Engineering Technology, Prof. Mwaffaq Otoom, said that this meeting came as a special invitation from Yarmouk University to the President of the IEEE to talk and dialogue with students about the role of engineers in enhancing engineering and technology to serve humanity.

Otoom added that the current number of faculty students affiliated with the IEEE is 349 active members in eight societies, which are the computer society, the communication society, the engineering society in medicine and biology, the power and energy society, the robotics and automation society, the industry applications society, and the Aerospace and Electronic Systems society, and the affinity group of Women in Engineering.

Head of the IEEE - Jordan Section, Dr. Alaa Khalifa praised the distinguished level of the student branch at Yarmouk University, and the university's support for the activities of the branch, pointing to the importance of youth seeking to supplement their training skills in various fields that raise their competitiveness in the labor market and direct their energies and pioneering ideas to bring about change and improvement in society.

The President of the University, Prof. Islam Massad, had met Rahman in his office during his visit to the university, where Massad affirmed the commitment of Yarmouk University to its mission towards its students by supporting and enabling them to innovate, compete and achieve achievements that would improve the reputation of the university, worldwide, praising the distinction of the Hijjawi Faculty for Engineering Technology and its students, through their various activities and initiatives seeking to enhance knowledge.

In turn, Rahman praised the distinguished performance of the IEEE student branch of at Hijjawi Faculty for Engineering Technology at Yarmouk University, which won distinguished awards at the level of student branches in Jordan and the Europe, Middle East and North Africa region.

At the end of the meeting, which was attended by the faculty members supervising the student branch of the branch and the students of Hijjawi Faculty for Engineering Technology who were elected to manage the student branch, an extensive dialogue took place on a number of issues that concern the student branch of IEEE at the university and their future plans.

Former Minister Gharaibeh Gives In-Depth Talk at Hijjawi Faculty on Semiconductors Industry in Jordan

Hijjawi Faculty for Engineering Technology was proud to host its alumna Eng. Muthanna Gharaibeh, former Minister of Digital Economy and Entrepreneurship, for an eye-opening workshop about the future of semiconductors and electronic chips in Jordan. The event drew a big crowd of students, faculty, and industry pros, all eager to dive into this fast-changing field.

Eng. Gharaibeh, who's well-known for his deep expertise in both tech and policy, provided a detailed look at the semiconductor industry. He touched on everything from manufacturing hurdles to the challenges presented by the global supply chain.

Eng. Gharaibeh emphasized that semiconductors are essential in today's digital world, powering everything from our smartphones to advanced medical devices and green energy solutions. He also stressed the importance for Jordan to invest in this sector, given its rising global significance.

The workshop included a lively Q&A session where attendees asked questions directly. Students were especially interested in how academic courses could better align with the needs of the semiconductor industry.

The Dean of the Hijjawi Faculty, Prof. Mwaffaq Otoom, thanked Eng. Gharaibeh for his valuable insights and highlighted the significance of workshops like this for enhancing educational experiences. "Eng. Gharaibeh's knowledge adds a fresh perspective to our ongoing conversation about technology's role in society," said Prof. Otoom.

A delegation from the US Universities Visits Hijjawi Faculty

Part of the Jordan US University Cooperation Network activities, a delegation from US universities visited Hijjawi Faculty for Engineering Technology. The delegation was headed by a Fulbright Specialist from University of Wisconsin Madison, expert in civil and mechanical engineering, also university-industry relations from Colorado School of Mines, expert in engineering education, especially issues of women and diversity in engineering; also biomedical engineering from Virginia Tech, expert in involving students in research, building program capacity to support student engagement, and also student involvement in innovation from Villanova University.

Hijjawi Faculty Submits the SSR for the ABET for the Electrical Power Engineering

Hijjawi Faculty submitted the Self Study Report for ABET accreditation for the Electrical Power Engineering undergraduate program. The visit will be conducted late this coming October.

Hijjawi Faculty Hosts a Workshop on "The importance of occupational safety and its fields in the labor market" in cooperation with JEA

A specialized workshop was held in cooperation between Hijjawi Faculty for Engineering Technology and Jordanian Engineers Association /the Scientific Committee entitled "The importance of occupational safety and its fields in the labor market," presented by Eng. Taghreed Al-Qahhat - Jordanian Engineers Association, Irbid Branch and Eng. Murad Al-Marashdeh - Institute of Occupational Safety / Irbid.

The workshop started by an introduction about the Occupational Safety and Health Institute and their certifications and the services they provide for the workplaces in issues related to occupational safety and health. The workshop then included introductory information about occupational safety and health and the requirements towards having a safe working environment. The workshop also included a definition of all workplace hazards and their different mitigation approaches. Discussions were also held to differentiate between the different terms such as hazards, risk, risk index, accidents, incidents and others. The workshop also included information about how to evaluate workplaces for potential hazards and the different types of controls required to ensure having a safe working environment. Moreover, the future of occupational safety and health was discussed and the impact of the technological changes on the field were deliberated. A discussion session was held at the end of the workshop to answer any questions or inquiries about the different discussed topics and students and faculty members expressed their thankfulness for the workshop

Hijjawi Faculty Holds a Blood Donation Day in Collaboration with the Northern Region Blood Bank

On August 24th, 2023, Hijjawi Faculty for Engineering Technology at Yarmouk University, in collaboration with the Northern Region Blood Bank, organized a blood donation campaign that aimed to increase awareness about the importance of blood donation, encourage more people to participate in such campaigns and contribute to national efforts in support of public health and social solidarity.

The campaign aimed to achieve the national goal of citizen health, emphasizing the importance of supporting the health sector, which is one of the basic building blocks for sustainable development and social responsibility. Additionally, it aimed to spread the culture of giving and altruism among members of society. Such campaigns contribute to saving the lives of patients in the community and can significantly raise awareness and encourage more people to donate blood.

By participating in the blood donation campaign, students at the Hijjawi Faculty for Engineering Technology could contribute to their community and positively impact people's lives. Moreover, this campaign highlighted the educational value of such campaigns for students. It can help raise awareness about the importance of social responsibility and community service. They can also promote a culture of volunteerism and encourage students to give back to their communities.

The campaign successfully collected 75 units of blood, which is a significant contribution to the blood bank's supplies. The campaign's success was a testament to the commitment and generosity of the university community, who came together to support a worthy cause and contribute to the well-being of others.

In conclusion, the blood donation campaign organized byHijjawi Faculty for Engineering Technology and the Northern Region Blood Bank at Yarmouk University was an important initiative that aimed to promote. The event was organize by Dr. Dua'a Telfah, Dr. Musab Abuaddous, Dr. Ammar Alshannaq and Dr. Mohammad Tamimi.

Dr. Shehadeh of Yarmouk University Contributes Expertise in Climate Resilience Workshop

On August 16, 2023, Dr. Ali Shehadeh, an Assistant Professor in the Civil Engineering Department at the Hijjawi Faculty for Engineering Technology at Yarmouk University, participated in a critical workshop on climate resilience. Sponsored by UN-Habitat and the Adaptation Fund, the event aimed to address challenges posed by climate change, particularly in the areas of sustainable water management and urban resilience. Dr. Shehadeh's contributions were notably impactful, bringing his expertise to discussions on comprehensive urban planning for resilience in Jordan's municipalities, including Irbid and Mafraq. His insights not only elevated the level of discourse at the workshop but also showcased the caliber of faculty at Yarmouk University, reaffirming its role as a leader in engineering education and research in the region.

Workshop by Dr. Tawalbeh on Serum Protein Biomarkers for Juvenile Dermatomyositis

A workshop presented by Dr. Shefa'a Tawalbeh, discusses a pilot study about the usage of serum proteins as a biomarker for dermatomyositis and how they could use them for the diagnosis and treatment of dermatomyositis. Dr. Tawalbeh answered the students' questions and discussed the research in this field. This workshop was held on Monday, July 10, 2023 at 8:00 pm Via Zoom.

Dr. Obeidat Receives the 2023 Best WIE Affinity Group in R8 Award on Behalf of the IEEE-Jordan WIE Affinity Group

The IEEE-Jordan Women in Engineering Affinity group, led by Dr. Yusra Obeidat who is an Associate Professor in the Electronics Engineering Department, has won the 2023 best Women in Engineering Affinity Group award in region 8, which includes Europe, Africa, and the Middle East. The award was granted based on the high quality of the events, diverse activities, and numerous achievements presented by the branch.

Dr. Al-Omari Joins the PLOS ONE Journal and Applied Computational Intelligence and Soft Computing Journal Editorial Board

PLOS ONE, a peer-reviewed journal since 2006 that covers primary research including science, engineering, and medicine, has selected Dr. Ahmad Al-Omari, from the Biomedical Systems and Informatics Engineering, as an Editorial Board Member, where the board comprises scientists who have established principal investigators/group leaders. PLOS ONE is indexed by SCOPUS/Q1 (H-index=404), and Web of Science (Impact Factor=3.7).

Hijjawi Faculty Experts Join Advisory Committee in the Greater Irbid Municipality

Prof. Ayman Jaradat and Dr. Ali Shehadeh from the Civil Engineering Department joined an advisory committee in the Greater Irbid Municipality to help in securing international grants to develop the city of Irbid.

Prof. Alzubaidi Has Been Appointed Dean of Scientific Research and Graduate Studies

The Board of Trustees of Yarmouk University has recently approved the nomination of the President of the University and appointed Prof. Mohammad A. Alzubaidi Dean of the Scientific Research and Graduate Studies.

Prof. Alzubaidi received his BS degree in Computer Engineering from Yarmouk University, Irbid, Jordan in 2003. He then received his MS degree in Computer Systems in 2006 from Arizona State University, Mesa, Arizona. In 2012, he received his PhD degree in Computer Science from the Ira Fulton Schools of Engineering at Arizona State University, Tempe, Arizona.

Prof. Alzubaidi is a Professor of Computer Engineering. His research interests include assistive embedded systems, computer vision, pattern recognition, machine learning, and medical imaging perception and understanding.

During his work at Yarmouk University, Prof. Alzubaidi was Vice Dean in the Hijjawi Faculty for Engineering Technology, Deputy Director of the International Relations Office, Director of the Entrepreneurship and Innovation Center, and many others.

Civil Engineering Department Honors Former Faculty Members and Welcomes New Ones

The Civil Engineering Department honored Dr. Ahmad Salameh and Dr. Waleed Idris for their excellent performance during their work at the department. Both faculty members completed their work at the end of this academic year.

The department also welcomed two new faculty members, Dr. Mohammad AlTamimi and Dr. Mutaz Dwiri, joining the department after completing their PhD studies in the states, which was funded by Yarmouk University.

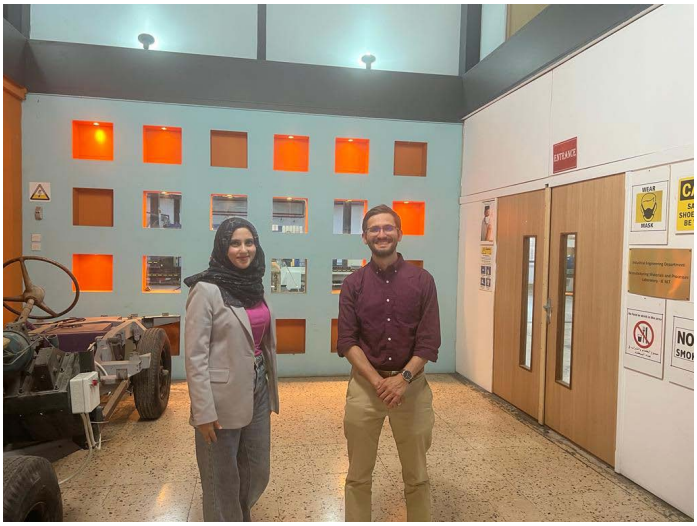
Two Faculty Members from the Electrical Power Engineering Partcipates in a Workshop on Water Scarcity and Possible Technological Solutions in Germany

Dr. Ahmad Koran and Dr. Ashraf Radaideh from the Electrical Power Engineering Department participated in a workshop hosted by the Chemnitz University in Germany, entitled "Water Scarcity and Possible Technological Solutions" with the participation of Jordanian, Algerian and German partner universities, and with the support of the SAXEED-ECO project, funded by the DAAD. The project is managed at Yarmouk University by the Entrepreneurship and Innovation Center .

Dr. Ahmed Koran and Dr. Ashraf Radaideh presented, during their lectures in the workshop, ways to exploit solar photovoltaic energy to provide clean energy for use in water pumps in wells and homes. Different methods were also presented to rationalize water consumption and energy sources for drawing water.

A Fulbright Research Fellow Visits the MiniFab Lab at the Industrial Engineering Department

A Fulbright research fellow in environmental sciences from the University of North Carolina Chapel Hill, Timothy Purvis, visited the MiniFab lab at the industrial engineering department on August 6th 2023. The visit started by giving an introduction about the MiniFab Lab and the manufacturing materials and processes lab to Mr. Purvis. The lab capabilities have been discussed along with providing information about the different machines and equipment and their uses and the different applications at which the labs could add valuable inputs. Future collaborations both in teaching and research have been discussed as well.



Dr. Qananwah Participats in the Leaders in Innovation Fellowship Program in the UK

Dr. Qasem Qananwah from the Biomedical Systems and Informatics Engineering Department participated in a 3-week exploration trip in the UK, as part of the Leaders in Innovation Fellowship (LIF Global 2023), a transformative program organized by the prestigious Royal Academy of Engineering in the UK.

Jordan IEEE Women in Engineering Holds its Open Day at Yarmouk University

Dr. Yusra Obeidat, an Associate Professor in the Electronics Engineering Department and the chair of the IEEE Women in Engineering Affinity group in Jordan, organized an open day for the IEEE Women in Engineering at the national level. The event was under the patronage of the Yarmouk University President and included participation from women in engineering societies across Jordanian universities. Each university showcased its achievements and activities through booths. The event featured diverse segments and topics related to leadership, innovation, and success stories of Jordanian and international female engineers. The event also included scientific competitions and entertainment segments.

The Dean Meets Hijjawi Faculty Students Representatives

As part of the faculty's efforts to increase students' involvement in the faculty, Prof. Mwaffaq Otoom Dean of Hijjawi Faculty for Engineering Technology met representatives from the faculty students and opened discussion with the students. Students had an open discussion about the expectations for the new academic year, from increasing the number of scientific field trips to the new student's council election. The Dean also used this meeting to encourage students to increase their participation in competitions locally and internationally, as the faculty and its staff are willing to support and help guide them through competitions.

The Dean Participates in the Launching Ceremony of "RAWABIT" Binational Higher Education Cooperation Network Project

Prof. Mwaffaq Otoom, Dean of the Hijjawi Faculty for Engineering Technology participated in the launching ceremony of the US Jordan University Cooperation Network at the AlHussein Technical University. The ceremony was under the patronage of former U.S. Ambassador to Jordan Henry T. Wooster, alongside representatives from renowned U.S. and Jordanian universities. Prof. Otoom chaired a session on " Innovative Approaches for Fostering University-Corporate Relations and University-Industry Partnerships".

Hijjawi Faculty on the Media

The Hijjawi Faculty for Engineering Technology has recently appeared in different TV and Radio media platforms, in addition to other platforms, including social media and news websites.

"Youm Jadeed" Program on the JRTV on Aug. 2nd, 2023

"Youm Jadeed" Program on the JRTV on Aug. 14th, 2023

"Nawafeth" Program on the Jordan Radio on Aug. 20th, 2023

"Open Program" Program on the AMEN FM on Aug. 3rd, 2023

"Hadeeth AlMadenah" Program on the Hawa Irbid FM on Aug. 7th, 2023

"Youm Jadeed" Program on the JRTV on Sep. 7th, 2023

Hijjawi Faculty Celebrates Graduation of its Spring 2022 - 2023 Students

On behalf of Hijjawi Faculty for Engineering Technology, we congratulate our Spring 2022 - 2023 graduates.

Students Activities

Hijjawi IEEE Computer Society Student Branch Wins the Best Branch Award in Europe, Africa and the Middle East

The student branch of the IEEE Computer Society at the Hijjawi Faculty for Engineering Technology at Yarmouk University won the award for the best student branch in Europe, the Middle East, and Africa, which is the highest award a student branch can obtain, for the distinguished activities and achievements presented by the branch's students. The branch includes a group of students managed by student Qusay Mashriqi, and his colleagues Yara Shalabi, Etab Obaidat, and Tala Al-Qudah, while Dr. Manal Al-Bazour from the Computer Engineering Department supervises the branch and follows up on the students. Through the branch's activities, students demonstrated their distinguished leadership and administrative skills, by organizing various activities that developed the skills of society members, in addition to their participation in many local and international conferences, which led to obtaining this prestigious award among all student branches in universities in Europe, Africa, and the East. Middle.

The Dean of the Faculty, Prof. Mwaffaq Otoom, said that this award will contribute to encouraging the rest of the students to join the branches of these student clubs included in the faculty, which will provide them with an environment that encourages active participation and cooperation, and thus access to projects and initiatives that have a positive impact on society.

For his part, the President of the University, Prof. Islam Massad, stressed that receiving such prestigious awards is evidence of the university's commitment to its mission towards its students by supporting and empowering them to innovate, compete, and achieve achievements that will improve the university's reputation at the global level, praising the excellence of students of the computer society at the Hijjawi Faculty for Engineering Technology through their various activities and initiatives seeking to enhance knowledge. He added that such student branches are important in providing an environment that encourages innovation and creativity through a variety of activities, seminars and projects that provide their student members with real opportunities to expand their experiences, communicate with industry leaders, and learn about the latest developments in this field.

This achievement is the second in less than a month for one of the student branches at the Hijjawi College of Engineering Technology to win such international awards, as the "Student Branch of the Engineering Society in Medicine and Biology" previously won the Best Student Branch award in the Middle East and North Africa region.

It is noteworthy that the Hijjawi Faculty for Engineering Technology includes eight student branches of the IEEE.

Hijjawi IEEE EMBS Wins the Best Regional Student Branch

The IEEE EMBS Yarmouk University Student Chapter has been awarded the "Best Student Chapter Award in Electrical and Electronic Engineering in Medicine and Biology" in the Middle East and Africa at the 45th Annual International Conference of Engineering in Medicine and Biology in Sydney, Australia.

Under the supervision of Dr. Ateka Khader and Dr. Heyam Alquran, the committee comprising Yanal Omar, Ghena Nsour, Mohammad Yasser, Faris Meqbel, and Bushra Qaqeash, has played a pivotal role in showcasing the efforts and achievements of the EMBS-YU team. Through various events, workshops, and projects, they have consistently provided opportunities for members to expand their expertise, connect with industry leaders, and stay up-to-date with the latest developments in the field.

Hijjawi Faculty Students Participate in a Meeting with Jordan Prime Minister

Yarmouk University hosted the third dialogue meeting with the Prime Minister and the ministerial team under the theme "Visions of Renewal: Youth as the Focus."

Six students from Hijjawi Faculty for Engineering Technology participated in this meeting: Abdullah Naamneh, Ahmed Shehab, Fatima Al-Zamil, Moamen Al-Jamal, Hamza Al-Zoubi, and Bilal Alhiniti.

Hijjawi Faculty Wins First Place in the Annual Hakeem Academy Competition

A project submitted by Hijjawi Faculty for Engineering Technology won first place in the annual Hakeem Academy competition in its eighth edition, which was organized by the Electronic Health Systems Company, in excellence in healthcare technology.

The winning project is the development of a rehabilitation and evaluation device to restore normal movement of the wrist joint, by students Ahmed Musa Al-Sweiti and Khaled Walid Al-Afalqa, under the supervision of Engineer Sami Fares Mashaqbeh from the Department of Biomedical Systems and Informatics Engineering.

The idea of the project is that the wrist joint is exposed to many diseases and injuries that affect and limit its natural movement, such as sports injuries or a stroke. Niche.

From here came the idea of the project by designing an integrated device that assesses the movement of the wrist joint before starting treatment, then trains the wrist to restore the range of motion to its normal position, then applies some loads to increase the strength of the wrist, then trains using a dedicated game designed for this purpose. The device is an external structure installed on the back of the hand and under the arm, equipped with motors, sensors, microprocessors, and other electronic parts.

A game was also developed, which is a small car with dedicated tracks that is controlled remotely by wrist movement to encourage the patient to use the device, and the device can also be used as a console for various electronic games by wrist movement.

Note that a hundred projects in health care technology were submitted by all Jordanian universities. It is also noteworthy that the Hakeem Academy competition is an annual competition, the value of which is the first prize of 2,500 Jordanian dinars, and that Hisham Adeeb Hijjawi Scientific Foundation is the one who financed this winning project with the necessary equipment to participate in this competition.

Hijjawi Faculty Students Participate in the Sumo Robotics Competition

Students from Hijjawi Faculty for Engineering Technology participated in the National Sumo 2023 competition for robotics held on 14th July at Al Hussein Technical University. Four teams participated in the computation representing Yarmouk University.

Hijjawi CEIBA and Hijjawi IEEE AESS Organize Hijjawi Mathematical Olympiad

Hijjawi CEIBA student club and Hijjawi IEEE AESS organized Hijjawi Mathematical Olympiad on August 1st, 2023.

Hijjawi Faculty Students Participate in IEEE NASYP Conference in Egypt

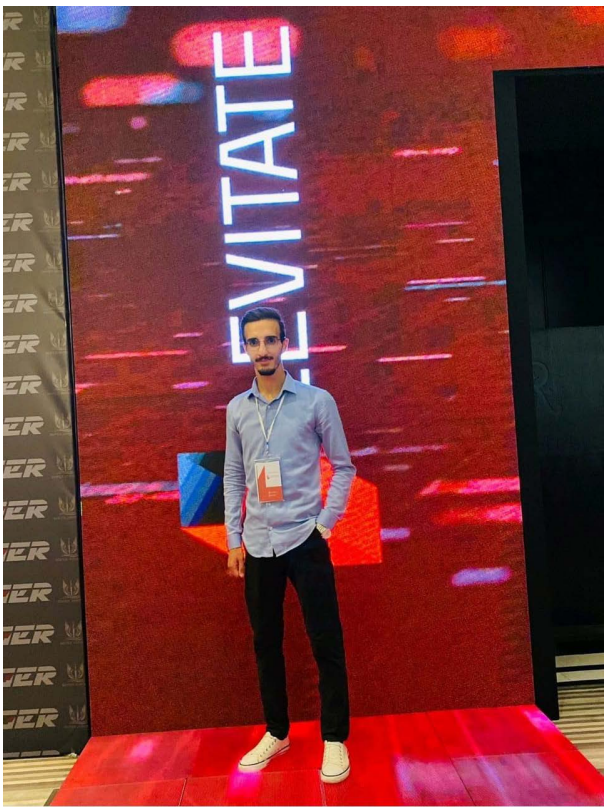
Hijjawi Faculty students,Qusi Mashriqi and Yara Shalabi from the Department of Computer Engineering and Ali Jaowhara from the Department of Electronics Engineering participated in the North African Conference for Students and Young Professionals organized by the Institute of Electrical and Electronics Engineers (IEEE), which was held this year at Egypt University of informatics in Cairo between 2427-th of August.

The conference brings together students, young professionals, and experts in various fields of engineering and technology from the Region 8 sections and offers a unique opportunity for attendees to network with peers, learn from industry leaders, and participate in workshops, panel discussions, and technical sessions.

Hijjawi Faculty Student Participates in Levitate

Qusi Mashriqi from the Computer Engineering Department attend in the grand setting of the St. Regis Hotels & Resorts Hotel , Amman , Jordan , the Levitate Conference takes place from the 16th to 17th of July 2023. A key event in the drone industry, Levitate presents a valuable platform for learning, networking , and leveraging opportunities. The event aims to redefine our sky as a hub of innovation, stimulating societal and economic transformation.

The conference is being organized by SOFEX Jordan powered by Sager and is set to draw in over 700 invitees from more than 20 countries . Attendees can explore over 10 exhibits and participate in 15 enlightening sessions. It's a perfect opportunity to learn from industry leaders and connect with influential players in the drone technology landscape.



Hijjawi Faculty Students Achieve Advanced Positions in the Arab Olympiad for AI

With generous support from the Hisham Adeeb Hijjawi Scientific Foundation, nine students from the Hijjawi Faculty for Engineering Technology and two students from the Faculty of Information Technology and Computer Sciences at Yarmouk University participated in the second edition of the Arab Olympiad for Artificial Intelligence, which was organized by the Arab Society for Robotics and Artificial Intelligence in cooperation with the "STEAM Center," which is specialized in Robotics and AI training and the learning curve.

Yarmouk University participated in this Olympiad through five teams from the Hijjawi Faculty for Engineering Technology , a team from the Faculty of Information Technology and Computer Sciences, and another joint team from students from both faculties.

The student, Mala Mansour, a graduate of the Electronics Engineering Department at the Hijjawi Faculty for Engineering Technology, jointly achieved first place in the Algorithms and Mathematics track with the student Saad Al-Taamari from the Faculty of Information Technology and Computer Science, while the two students, Yara Shalabi and Etab Obaidat, from the Computer Engineering Department at the Hijjawi Faculty for Engineering Technology holds second place in the programming track.

Student Sameh Sukkar from the Department of Computer Engineering at the Hijjawi Faculty for Engineering Technology won third place, while student Qusay Mashreqi from the Department of Computer Engineering and Faris Al-Shamali, a graduate of the Department of Electrical Power Engineering at the Hijjawi Faculty for Engineering Technology, won third place, repeating in the same track.

Student Nouran Al-Saqr, from the Department of Communications Engineering, and student Sameh Sukkar, from the Department of Computer Engineering at the Hijjawi Faculty for Engineering Technology, won third place in the embedded systems track, while student Hassan Abu Saris, from the Department of Computer Engineering, and student Afnan Al-Saqr, from the Department of Communication Engineering at Hijjawi Faculty for Engineering Technology, won fourth place in the computer vision track.

ACI Student Chapter Participates in the Green Energy Day

The ACI Student Chapter participated in the Green Energy Day hosted by the Jordanian Engineers Association at the German Jordanian University. Their active involvement showcased a strong commitment to sustainable practices within the engineering scope. Presenting innovative projects, activities, and initiatives, the chapter members contributed to meaningful discussions on renewable energy and eco-friendly technologies. Their participation not only highlighted their dedication to advancing environmental awareness but also inspired fellow students and professionals to embrace greener solutions.

The ACI Student Chapter Participates in the Entrepreneurship and Creativity Conference

The ACI Student Chapter at Yarmouk University participated in the Students Conference titled "Future Educational Visions and Aspirations (Entrepreneurship and Creativity)" at Jadara University. The ACI students (Sarah, Ahmad, Qamar, and Sally) had a booth to present the student chapter's most recent activities and discuss the chapter's future goals and the experience the students on the Executive Board have earned through international participation, as well as the knowledge and technical aspects gained when arranging events. In the presence of several dignitaries from Arab states, as well as a selection of university professors and students participating in the exhibition.

ACI Student Chapter Participates in the Hijjawi Scientific Day

The ACI Student Chapter made a significant impact at the Scientific Day hosted by the Hijjawi Faculty for Engineering Technology. Actively sharing their experiences, they showcased a year of dynamic activities. From organizing seminars to hands-on workshops and competitions, their presentation highlighted their dedication to advancing concrete-related knowledge. Engaging with peers and faculty, the chapter demonstrated its commitment to promoting a culture of learning and innovation. Their participation not only enriched the event but also inspired fellow students to take an active role in shaping the future of engineering.

ACI Student Chapter Visits Jadara University

The ACI Chapter's visit to Jadara University is a step in promoting collaboration and knowledge exchange between the two universities. Delivering a talk to civil engineering students, they imparted insights on establishing their chapter. The presentation highlighted the several benefits of affiliating with the American Concrete Institute (ACI), emphasizing its role in enhancing career prospects, networking opportunities, and access to cutting-edge concrete technology. This engagement not only encouraged the students to embark on their own ACI chapter journey but also demonstrated the ACI Chapter's dedication to supporting talent and promoting excellence in the field of concrete engineering.

Alzamel Participates in the IEEE Sections Congress 2023

Fatma Alzamel, a Biomedical Systems Engineering student participated in the 121st IEEE Region 8 Committee meeting held in Ottawa, Canada, from the 11th to the 13th of August 2023, under the resounding theme "Enabling Leaders to Build a Sustainable Future".

Fatma Alzamel Celebrates Graduation from the Al-Hussein Fellowship Program

With a profound sense of accomplishment, I am thrilled to announce my successful completion of the Al-Hussein Fellowship Program, a transformative journey that spanned an entire year and encompassed more than 400 hours of intensive training. Guided by the visionary leadership of the Crown Prince Foundation, this national initiative stands as a testament to the remarkable capacity of youth development.

As a proud graduate of the Al-Hussein Fellowship Program, I stand shoulder to shoulder with a cohort of exceptional individuals, each poised to contribute significantly to our nation's growth. This program has kindled within us the flames of leadership and equipped us with the skills to lead change in diverse domains.

My heartfelt gratitude extends to The Crown Prince Foundation for this remarkable opportunity. The invaluable experiences, knowledge, and insights gained through the program have illuminated my path toward a future dedicated to serving our nation.

Moreover, being a part of the second cohort of the Al-Hussein Footsteps program has been a privilege and an honor. This program, an integral component of the Crown Prince Foundation's leadership axis, has been a profound source of learning and growth for me. The immersion into commercial, financial, and sports disciplines, both in theory and practice, has fortified my skills and perspective.

I am deeply indebted to the Crown Prince and the Crown Prince Foundation for this remarkable journey of learning and self-discovery. As I bid adieu to this chapter, I am resolutely eager to apply the knowledge and wisdom acquired through these programs to carve a promising path ahead.

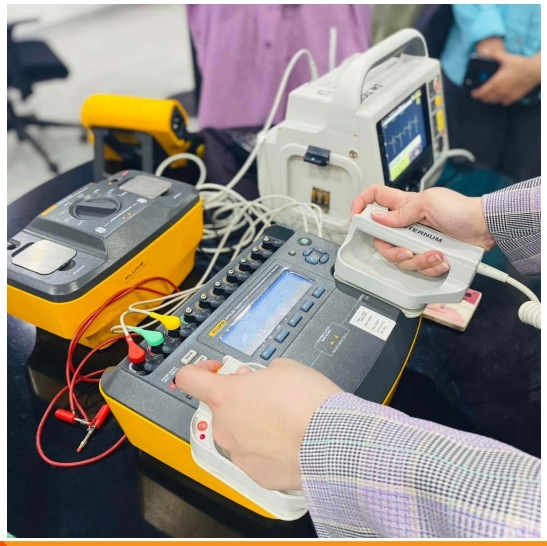
Here's to new beginnings, to the ceaseless cycle of growth, and to the promising dawn that follows the end of every journey. Together, as graduates of the Al-Hussein Fellowship Program, we stand poised to embark on a brighter future, fueled by knowledge, driven by passion, and united in our commitment to our nation's progress.

Hijjawi IEEE-EMBS Organizes a Workshop on "Sales Skills for Engineers"

A workshop on "Sales Skills for Engineers" was presented by Eng. Alaa Mustafa (EMEA commercial director from Fluke Biomedical) on Sunday, July 30th, 2023. The workshop was held at Fayze Alkasawneh Auditorium under the supervision of Dr. Ihsan Masad and Dr. Ateka Khader. Eng. Alaa Mustafa discussed the differences between sales and service engineers. He also shared advice with the students on how to begin their careers and what skills they should have as Biomedical Engineers. Eng. Alaa also discussed the many several job possibilities in biomedical engineering, like being a service engineer or a sales engineer and more. In the end, he answered the students' questions about the field.

Hijjawi IEEE-EMBS Organizes a Workshop on "Testing and Calibration Equipment"

EMBS organizes a workshop on "Testing and Calibration Equipment" under the supervision of Dr. Ihsan Masad and Dr. Ateka Khader. Eng. Dema Jawdat, Business Unit Manager for Sadaf Medical Supplies, held a lecture on the calibration and testing equipment used for biomedical devices on Monday, August 7th, 2023. After the lecture, Eng. Dema and Eng. Osama (Sadaf Medical Supplies) led a hands-on workshop for several testing and Calibration equipment with the students, explaining in greater detail how and why these equipment were employed. At the end of the workshop, Eng. Dema and Eng. Osama answers all the students' questions.



Computer Engineering Students Participate in the "Eye on the Future" Initiative

Computer Engineering students participated in the "Eye on the Future" initiative, which aims at assisting high school students of class 2028 in choosing the university major that aligns with their skills and interests in the field of computer engineering. This initiative could be highly effective in guiding students towards the appropriate choices for them and maximizing the benefit from their academic and professional futures.

Shehab and Naamneh Participate in Crown Prince Foundation Training Program

Students Ahmed Shehab and Abdullah Naamneh participated in the Community Entrepreneurship Training Program at the Crown Prince Foundation, in cooperation with Izzat Marji Foundation; this training was one of the most important trainings in the Irbid Chamber of Industry, and this program is the first in the Crown Prince Foundation, Irbid branch. This training focuses on community leadership skills and ideas presentation skills. This project focuses on producing student teams interested in the field of community leadership. Many ideas were put forward in tourism and agriculture. Some ideas were in the development of agricultural education in the north of the Kingdom, such as aquaculture, and agricultural marketing was also discussed. Some of the other students talked about tourism programs such as open cinema or cars, and similar tourism programs that can be done in Irbid.

Na'amneh Gets Interviewed on Roya TV on Yarmouk Youth Summer Program

Abdullah Na'amneh from the Electronics Engineering Department described the Youth Summer Program at Yarmouk University during his interview on Roya TV.

He affirmed that this program was initiated with a promising vision from the university administration to provide a motivating space for students to develop their personalities, showcase their abilities, and positively engage with the local community.

He added that the program encompasses diverse activities that cater to all interests. It imparts new experiences and vital practical life skills to students, giving Yarmouk students a competitive edge in the job market over students from other universities.

Na'amneh emphasized that the university is the initial step towards all future achievements, and there is a shared responsibility between the student and the university to adopt such initiatives that support interactive and modernized education, moving away from rote learning and monotony.

He concluded by stating that Yarmouk University recognizes its pivotal role towards the student, the local community, and the nation as a whole. The continuity of the Youth Summer Program as an annual event is a clear testament to the program's success and distinction.

Success Stories

Hijjawi Alumnus, Bani Khalaf, Receives Third Place in the 2023 Excellence in Highway Safety Data Award

"Using Probabilistic Reasoning Approach on Road Familiarity, Distracted Driving, At-fault, and Crash Injury Severity in Work Zone Crashes"

Hamza Bani Khalaf, Cleveland State University

The Highway Safety Information System (HSIS) Student Research Paper Competition encourages university students to use HSIS data with the intent of introducing potential future highway safety professionals to good quality safety data; the application of appropriate research methods to derive recommendations; and the practice of using data to make decisions.

Hamza Mashoor Mustafa Bani Khalaf is currently a graduate research assistant in the Department of Civil and Environmental Engineering at Cleveland State University -- **he holds a Bachelor's in Civil Engineering from Hijjawi Faculty for Engineering Technology.** His research studied work zone crashes:

This study developed a Bayesian Networks model – a model for reasoning "what-if" questions – to explore the relationship between drivers' roadway familiarity, distracted driving, at-fault, and crash severity at work zones. Findings from the BN revealed that the probability of a work zone crash involving a distracted familiar driver increased by 9.84 percent and decreased by 21.93 percent for the unfamiliar drivers to be distracted. Familiar drivers had a 0.66 percent higher probability of being at-fault in work zone crashes, while unfamiliar drivers had a 1.48 percent lower probability of being at-fault. Results produced by BN indicate that adverse weather increased the probability of injury severity in work zones crashes by 22.67 percent. The approach put forth in this study could serve as a valuable tool for decision-making and enable evidence-based recommendations to be made for improving work zone safety.

Upon receiving the award, Hamza said, "I am deeply committed to giving my absolute best to prevent crashes on roads worldwide. The HSIS data has proven to be an invaluable resource, providing me with abundant information necessary to investigate work zone safety in my award-winning paper titled "Using Probabilistic Reasoning Approach on Road Familiarity, Distracted Driving, At-fault, and Crash Injury Severity in Work Zone Crashes". This recognition has sparked a deep sense of inspiration within me, motivating me to aim for the moon and beyond as I set my future goals. I would also like to express my deep appreciation to my supervisor, Professor Kidando, for his invaluable support and guidance throughout this endeavor."

Hijjawi Alumnus, Abudiak, Receives the Prestigious Fulbright Award to Pursue Masters in Electrical Engineering at UCF

Receiving a Fulbright scholarship from Jordan to pursue a Master of Science in Electrical Engineering at the University of Central Florida is a remarkable accomplishment. The dedication, academic prowess, and commitment to furthering my education have earned me this prestigious opportunity.

This scholarship not only recognizes my potential but also highlights mu passion for electrical engineering. It provides me with a platform to delve deeper into the world of electrical engineering, fostering my growth as a future leader in the field.

Studying at the University of Central Florida, known for its excellence in engineering programs, will undoubtedly expand my knowledge and expose me to cutting-edge research and innovation. This experience will not only enrich my academic journey but also provide me with a diverse and dynamic environment to connect with fellow scholars and professionals in my field.

As a Fulbright scholar, you are not just embarking on a personal educational journey; you are also becoming an ambassador for Jordan and fostering cultural exchange and understanding. My contributions and achievements during my time in the United States will undoubtedly leave a lasting impact on both my academic community and the broader international community.

This scholarship is a testament to my hard work and potential, and it opens up doors to a bright and promising future in the field of electrical engineering. I am eagerly await the remarkable contributions and discoveries I will make during your studies and beyond.

New Faculty Members!

We welcome our recently joining faculty members, wishing them all the best to contribute to the success of the faculty.

Mu'ath I. Abu Qamar

Civil Engineering

Lehigh University, USA

Geotechnical Engineering / Soil-Structure Interaction of Foundation Elements Supporting Offshore Wind Turbines

Ammar Alshannaq

CIvil Engineering

Georgia Institute of Technology, USA

Responsible and Adaptive Repurpose of De-Commissioned Wind Turbine Blade Materials

Mohammad Firas Tamimi

Civil Engineering

Oklahoma State University, USA

Characterization of System Performance under Combined Actions of Gradual Deterioration and Sudden Extreme Events

Mutaz Dwairy

Civil Engineering

Texas A&M University, USA

Mechanics of Cancer Progression and the Effect of Mechanical Stresses and Interstitial Fluid Pressure upon Tumor diagnosis

Baraa Alkhatatbeh

Architectural Engineering

Pennsylvania State University, USA

Comfort Living, Passive and Sustainable Design, and Buildings' Energy Efficiency

Salwa Mohammad Alawneh

Architectural Engineering

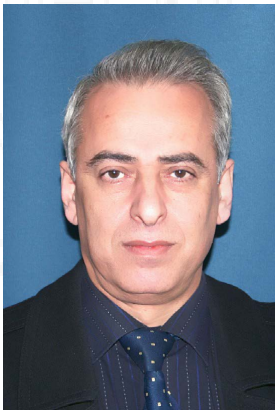
University of Kansas, USA

Refugee Spaces

Promoted Faculty Members in 2022 - 2023!

The Hijjawi Faculty for Engineering Tehnology Congtatualtes the promoted faculty members in this academic year 2022 - 2023!

To Full Professor



Prof. Zuhair Hejaz
Communication Engineering

Prof. Aiman Jaradat
Civil Engineering

Prof. Mohammad A.Alzubaidi
Computer Engineering

To Associate Professor

Dr. Khaled Hayajneh
Communication Engineering

Dr. Hazim Shakhatreh
Communication Engineering

Dr. Lina Al-Ebbini
Biomedical Systems and Informatics Engineering

To Associate Professor

Dr. Yusra Obeidat
Electronics Engineering

Dr. Sharief Abdel-Razeq
Communication Engineering

Dr. Yazan Al Issa
Computer Engineering

Dr. Ghazi Magableh
Industrial Engineering

Dr. Ahmad Mumani
Industrial Engineering

Dr. Ahmad Altarabsheh
Civil Engineering

Dr. Amjad Abu-Baker
Communication Engineering

Dr. Hasan Aldiabat
Communication Engineering

PhD Study Abroad Students!

Aseel Khanfar
Industrial Engineering
Pennsylvania State University, USA

Abedallah Abed Alfatah Al Kader
Industrial Engineering
Ohio State University, USA

Mohammad Y. Al-Daraghmeh
Industrial Engineering
Iowa State University, USA

Suhaib Fareed Alfaris
Civil Engineering
Texas A&M University, USA

Eiman Graiz
Architectural Engineering
University of Kansas, USA

Jakleen Amin Al-Dalal
Architectural Engineering
University of Sheffield, UK

Sajeda Al-Hammouri
Biomedical Systems and Informatics Engineering
University of Arizona, USA

Aseel Al-Omary
Biomedical Systems and Informatics Engineering
University of Florida, USA

Happy End of 2022 - 2023 School Year!

The Hijjawi Faculty for Engineering Tehnology Administration wishes you a Happy End of the School Year, hoping that you will have many blessings in the upcoming school year 2023 - 2024!

Prof. Mwaffaq Otoom
Dean

Prof. Mohammad A. Alzubaidi
Vice Dean / International Accreditation & Projects

Dr. Ahmed Koran
Vice Dean / Academic & Administrative Affairs

Dr. Mus'ab AbuAddous
Dean Assistant / Students and Alumni Affairs

Dr. Dua'a Telfah
Dean Assistant / Quality Assurance

Prof. Ammar Al-Rousan
Chair, Mechanical Engineering Dept

Dr. Zaid Albataineh
Chair, Electronics Engineering Dept

Dr. Ahmad Al-Omari
Chair, Biomedical Systems and Informatics Engineering Dept

Dr. Ashraf Radaideh
Chair, Electric Power Engineering Dept

Dr. Manal Al-Bzoor
Chair, Computer Engineering Dept

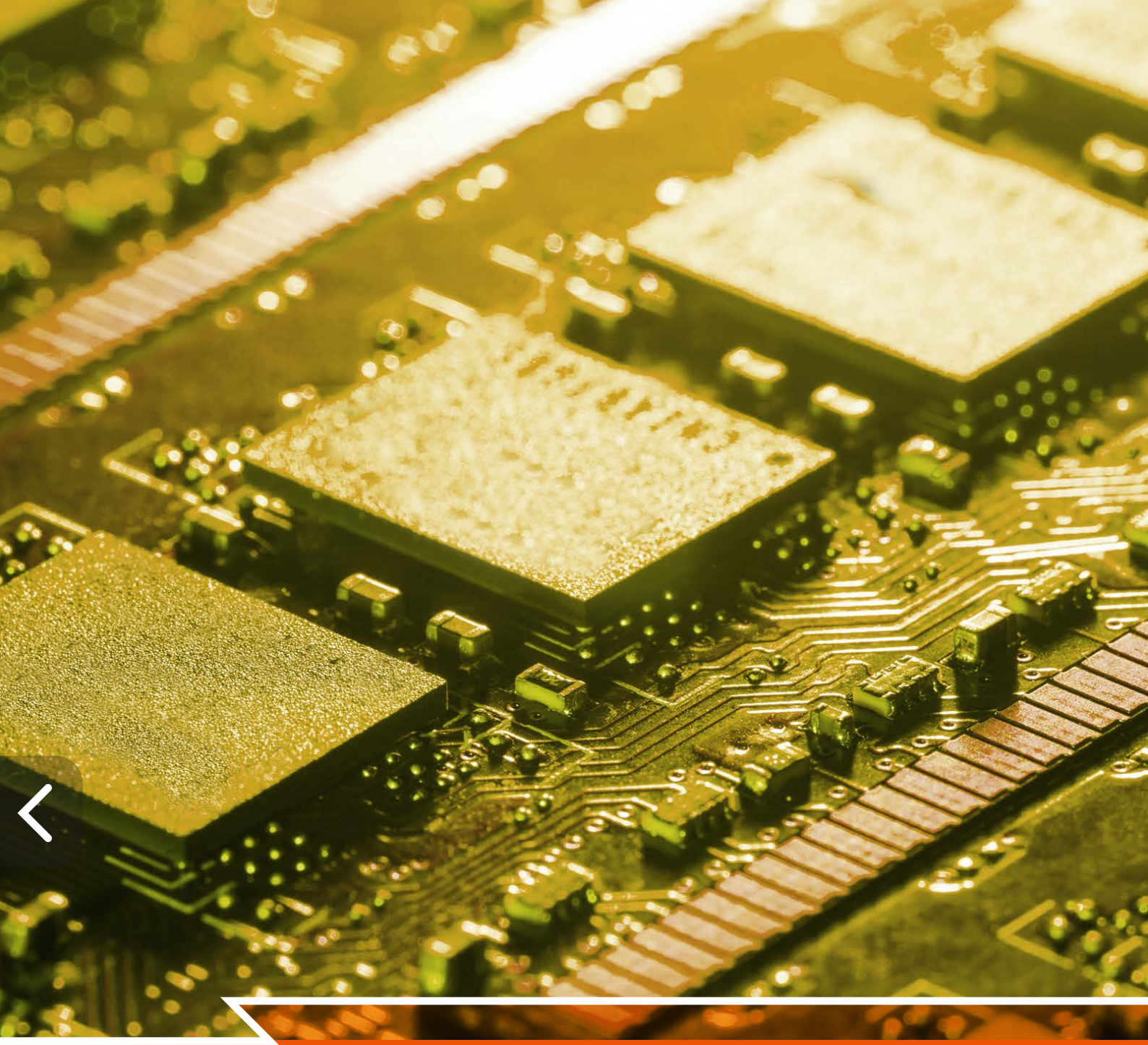
Dr. Zaid A. Aldeek
Chair, Architectural Engineering Dept

Dr. Dania Bani Hani
Chair, Industrial Engineering Dept

Dr. Sharief Abdel-Razeq
Chair, Communication Engineering Dept

Dr. Ali Shehadeh
Chair, Civil Engineering Dept

Mr. Fayez Bani Awwad
Chief of Admin. Staff



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