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# Hijjawi Faculty Newsletter

Issue 13 January 1<sup>st</sup> 2025



**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. / 6 M.S.**)*



*More than **12,000**  
Engineering Graduates*



***125**  
Academic Staff*



***76 Admin Staff & Lab  
Engineer***

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# Dean's Message



**Mohammad A. Alzubaidi, PhD**  
**Dean and Professor**  
**Hijjawi Faculty for Engineering Technology**

Welcome to the 13th issue of the Hijjawi Faculty for Engineering Technology Newsletter!

In this issue, we begin with a special feature on our Vice Dean, Prof. Zaid Albataineh, who shares an important message with our students. He encourages everyone to avoid smoking and advocates for a smoke-free environment within the faculty, setting an example for other departments on campus.

The newsletter then highlights recent faculty achievements over the past three months, with a particular focus on international grants, funded projects, and career development initiatives.

We also proudly showcase the wealth of student activities taking place within the faculty. These activities reflect our ongoing dedication to not only providing students with top-tier academic experiences but also encouraging their active participation in extracurricular events. These activities play an essential role in developing leadership skills, fostering teamwork, and cultivating a sense of community, all of which

contribute to shaping well-rounded engineers and innovators.

In this issue, we also highlight the remarkable achievements of our faculty members. From notable academic promotions to groundbreaking research, our faculty continues to excel in both education and professional development. We are proud of their ongoing contributions to the field of engineering and their dedication to enhancing the academic experience for our students.

Furthermore, we celebrate the success stories of our students who have participated in and excelled at local and international competitions, workshops, and training programs. These achievements not only reflect the caliber of talent at Hijjawi Faculty for Engineering Technology but also demonstrate the real-world impact of the education they receive here.

Looking ahead, we are actively working on mapping our academic programs to the Jordanian National Qualification Framework and securing local accreditation for all our programs. Furthermore, we are in the process of pursuing ABET accreditation for our Architectural Engineering Bachelor's program. A new Career Development Unit is also being established to support our students' professional growth. Additionally, efforts are underway to apply for grants aimed at modernizing and expanding our labs.

As we continue our journey, our shared goal is to transform the Hijjawi Faculty for Engineering Technology into a globally recognized leader in engineering education and research.

I hope you enjoy reading this issue of our newsletter, and I look forward to seeing the continued success and growth of our faculty.

Wishing you all a prosperous and fulfilling New Year in 2025!

# Featured Article

## Say No to Smoking: A Message to Our Students



**Prof. Zaid Albatineh, PhD**  
Vice Dean  
Hijjawi Faculty for Engineering Technology

### Introduction

As students, you are the future of our community, holding the power to shape a healthier and more prosperous society. However, smoking poses a significant threat to your health, ambitions, and potential. Jordan's alarming smoking statistics reveal a growing epidemic, and it's time to address this issue together.

### Smoking Epidemic: Why It Concerns You

Jordan has one of the highest smoking rates globally, with 42% of adults consuming

tobacco in various forms. Smoking not only harms the smoker but also those exposed to second-hand smoke. For students, this habit can have devastating consequences:

- **Health Risks:** Smoking damages the lungs, heart, and other vital organs, reducing life expectancy and quality of life.
- **Academic Performance:** Nicotine addiction can impair concentration and memory, hindering academic success.
- **Financial Burden:** Smoking drains resources that could be invested in education or personal development.

### Stay Ahead: Why You Should Quit or Never Start

Quitting smoking or avoiding it altogether empowers you to take control of your health and future. Here are compelling reasons to steer clear of tobacco:

- **Improved Health:** Within weeks of quitting, your body begins to heal, improving lung function and reducing the risk of life-threatening diseases.
- **Better Focus:** Free from nicotine's grip, you can focus better on studies and extracurricular activities.
- **Be a Role Model:** Inspire your peers and younger generations by choosing a healthier path.

## How to Quit: Support for Students

Quitting smoking is challenging but achievable with determination and the right resources. Here are some effective tools available in Jordan:

### 1. Nicotine Gum

- Dosage:
  - 2 mg for less than 25 cigarettes/day.
  - 4 mg for more than 25 cigarettes/day.
- Instructions: Chew slowly until a minty taste emerges, then “park” it between your cheek and gums to absorb the nicotine. Avoid acidic beverages 15 minutes before and during use.

### 2. Nicotine Patch

- Dosage:
  - For heavy smokers: Start with 21 mg/day for 6 weeks, then reduce gradually.
  - For light smokers: Start with 14 mg/day for 6 weeks, then reduce.
- Instructions: Apply to a hairless area between the neck and waist, rotating daily to prevent irritation.

### 3. Counseling Services

Most universities, including Hijjawi Faculty for Engineering Technology, offer counseling and peer support groups. Seek help early to stay on track.

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## Building a Smoke-Free Campus

At Hijjawi Faculty, we are committed to creating a smoke-free environment. Join initiatives to promote healthy lifestyles, such as:

- Participating in sports or wellness clubs.
- Attending workshops on the dangers of smoking.
- Advocating for stricter smoking regulations on campus.

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## Conclusion

Your health is your greatest asset. By choosing to quit smoking or staying away from it, you're investing in a brighter future for yourself and your community. Let's work together to make Hijjawi College a place where health and knowledge thrive. Say no to smoking—your future depends on it.

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# Alumni

## ■ Eng. Qais Belal Sinjilawi



**Eng. Qais Belal Sinjilawi (Class of 2003)**, is currently the Director of IGS (Image Guided Solutions) Business for GE Healthcare in APAC Region (Australia, New Zealand, Korea and South-East Asian countries). He holds an MBA degree with distinction from the University of Manchester UK in 2020. As a leader in the field of healthcare technology, Eng. Sinjilawi has an impressive career that spans multiple countries and cultures. His hard work in the healthcare industry has demonstrated a relentless commitment to advancing medical technologies for better patient care.

### A Strong Foundation

Eng. Sinjilawi's journey began in 2003 when he graduated with a bachelor's degree in Electronics Engineering from the Hijawi Faculty. His academic foundation provided a strong platform for a future in engineering

and technology, but it was his passion for healthcare that would ultimately shape his professional journey. His early career in GE Healthcare began in the same year, where he was appointed as a Field Service Engineer for X-ray and imaging diagnostic systems in Jordan. It was here that he began to hone his technical expertise, working with state-of-the-art imaging equipment and developing a deep understanding of diagnostic systems.

### Expanding Horizons: From Jordan to Libya

In 2005, Eng. Sinjilawi expanded his professional experience by moving to Libya to lead the technical support and installation of imaging diagnostic systems. His role involved overseeing the installation and maintenance of complex medical equipment, a responsibility that deepened his technical acumen and leadership skills. It was also in Libya that Eng. Sinjilawi began to shape his approach to customer service, building lasting relationships with medical professionals and ensuring the seamless operation of vital healthcare equipment.

### Rising Through the Ranks

Returning to Jordan in 2010, Eng. Sinjilawi took on a more senior position as a Senior Field Engineer for the Levant region, which included Jordan, Lebanon, Syria, and Iraq. In this role, he further refined his ability to manage technical operations across multiple countries, and his efforts contributed to building GE Healthcare's reputation for excellence in the region. His work, which involved a comprehensive understanding

of both the technical and commercial aspects of diagnostic imaging, led to a significant enhancement in the support provided to healthcare facilities.

### **A Shift Towards Commercial Leadership**

In 2014, Eng. Sinjilawi's career took a pivotal turn when he was promoted to a leadership role in Saudi Arabia. As a Sales Leader for X-ray and interventional systems (Cathlabs), he embraced a more strategic role within GE Healthcare, combining his technical background with an emerging commercial expertise. His ability to lead teams, manage sales operations, and drive commercial success in a dynamic and competitive market set him apart as a leader with vision and business acumen. Eng. Sinjilawi's work in this capacity also allowed him to gain extensive experience in managing customer relations, from understanding their unique needs to delivering tailored solutions that improved patient care.

### **The Move to Singapore**

In 2023, Eng. Sinjilawi reached a major milestone in his career when he was appointed as the Director of IGS (Image Guided Solutions) Business for GE Healthcare in APAC Region (Australia, New Zealand, Korea and South-East Asian countries). Relocating to Singapore, he took on a leadership position overseeing a broad portfolio of diagnostic and interventional medical technologies. Eng. Sinjilawi's role required him to navigate complex markets, sales processes, and cultural dynamics across several diverse regions. His ability to build relationships with

global teams, interpret business challenges, and offer innovative solutions has been a testament to his skills as a leader.

### **Next Chapter: Australia and New Horizons**

Looking ahead, 2024 marks a new chapter in Eng. Sinjilawi's career as he relocates to Australia, continuing his role as Director of IGS (Image Guided Solutions) Business for GE Healthcare in APAC Region (Australia, New Zealand, Korea and South-East Asian countries). With an eye on new growth opportunities, he aims to contribute to the company's ongoing success in a rapidly evolving healthcare landscape. Eng. Sinjilawi's move to Australia represents both a personal and professional milestone, as he takes on the challenge of exploring new opportunities in one of the world's most dynamic healthcare markets.

### **Leadership and Legacy**

Eng. Sinjilawi's success is not only due to his technical expertise but also his leadership and interpersonal skills. Over the years, he has demonstrated an ability to manage teams from diverse backgrounds, creating a culture of collaboration and mutual respect. His leadership philosophy emphasizes the importance of continuous learning, adaptability, and fostering an environment where people are empowered to innovate and lead.

As he continues his journey at GE Healthcare, Eng. Sinjilawi believes that with hard work, determination, and a commitment to excellence, the sky truly is the limit. It has been a journey that was filled with passion, innovation, and leadership, and all came together to shape the future of healthcare.

## ■ Eng. Younis Salamah Alomoush



**Eng. Younis S. Alomoush (Class of 2004)**, is the Founder and CEO of TAQNEEN SOFTWARE, a forward-thinking technology company dedicated to providing cutting-edge software solutions, digital transformation strategies, and advanced AI services. With two decades of professional experience, Younis has consistently demonstrated a keen ability to integrate strategic vision, technical expertise, and entrepreneurial innovation.

After earning his bachelor's degree in Computer Engineering from Yarmouk University in Irbid, Jordan, Younis embarked on a career that has taken him across multiple sectors, including telecommunications, information technology, and digital services. Over the past 20 years, he has built a remarkable track record leading cross-functional teams, architecting robust software platforms, and driving organizations

to adopt innovative, scalable technologies that not only address immediate challenges but also anticipate future growth and evolution.

Under Younis's guidance, TAQNEEN SOFTWARE has established itself as a trusted partner to clients navigating the complexities of the modern digital landscape. His emphasis on user-centric design, data security, and continuous improvement ensures that TAQNEEN's solutions remain at the forefront of technological advancement, helping businesses optimize their operations, unlock new opportunities, and succeed in competitive global markets.

Beyond his role as a corporate leader, Younis is committed to nurturing talent and fostering a culture of continuous learning within the engineering community. He actively mentors emerging professionals, encouraging them to embrace problem-solving, ethical leadership, and innovative thinking. By sharing his insights and experiences, Younis helps shape a new generation of engineers and entrepreneurs who are poised to make a positive, lasting impact.

In his free time, Younis enjoys exploring emerging technologies, connecting with professional communities, and engaging in initiatives that support education, mentorship, and community development. This holistic approach to both professional and personal growth reflects his dedication to building stronger bridges between technology, society, and sustainable progress.

## ■ Eng. Imad A. AlMansi



**Eng. Imad A. AlMansi (Class of 2017)**, is a highly accomplished Senior Software Engineer at McMakler, a leading digital real estate brokerage firm in Germany that is revolutionizing the real estate market through innovative technology. Imad's work at McMakler focuses on leveraging cutting-edge software solutions to streamline property transactions and enhance customer experiences in one of the most competitive industries in Europe.

Imad earned his bachelor's degree in Computer Engineering from the prestigious Hijjawi Faculty for Engineering Technology in 2017. During his academic journey, he demonstrated exceptional aptitude and passion for problem-solving and software development. He actively participated in numerous coding and algorithmic problem-solving competitions, including IEEEExtreme and the ACM International Collegiate Programming Contest (ACM-ICPC), where he competed at both regional and international levels. These experiences not only honed his technical skills but also instilled

in him a strong collaborative and analytical mindset.

Imad's professional journey began during his undergraduate studies when he secured an internship in Berlin, Germany in 2016. This internship was part of the required training hours for graduation, facilitated by a collaboration between the Hijjawi Faculty and a German technology company. His exceptional performance during this period earned him a full-time position with the same company after graduation, marking the start of his international career.

Over the years, Imad has built a diverse portfolio of experiences, having worked across various domains including fraud detection, wholesale platforms, and language exchange technologies. He has consistently demonstrated an ability to adapt and innovate, mastering a range of tools and methodologies to deliver impactful solutions. Notably, he embraced Cloud Computing platforms like AWS and Google Cloud at an early stage, positioning himself as a forward-thinking technologist in a rapidly evolving digital landscape.

Today, Imad stands out as a tech leader with a global perspective, blending his technical expertise with a deep understanding of market dynamics. Beyond his technical acumen, his journey reflects a commitment to continuous learning and innovation, making him an invaluable asset to the organizations he serves and a role model for aspiring engineers.

# Faculty News

**Hijjawi Vice Dean Dr. Dania Bani Hani Leads HEIG Grant to Advance Medical Manufacturing at Yarmouk University**



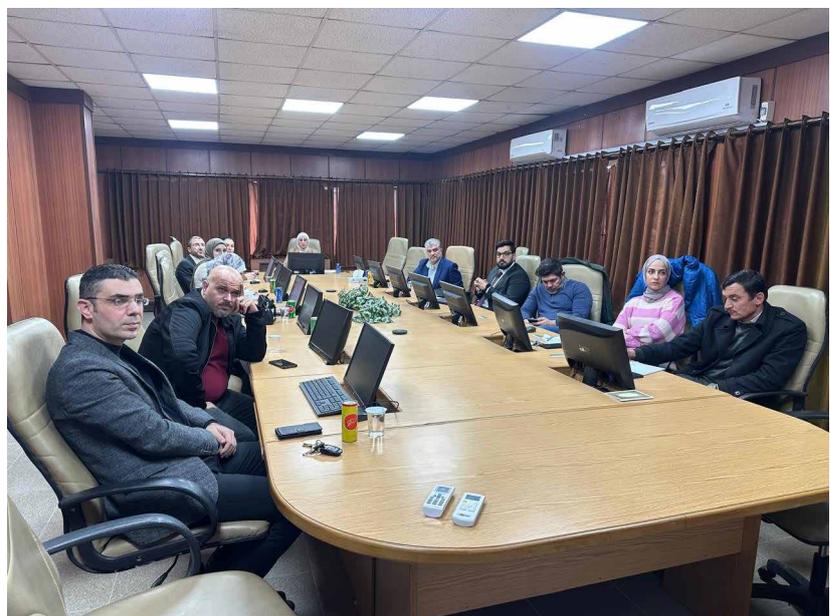
Yarmouk University has been awarded the Higher Education for Innovation and Growth (HEIG) project grant, supported by the U.S. Agency for International Development (USAID) and implemented through the International Research and Exchanges Board (IREX). The project focuses on advancing the medical manufacturing sector.

University President Dr. Islam Massad expressed pride in the university's achievement, stating that winning this project reflects Yarmouk University's dedication to improving the quality of education and fostering partnerships with the industrial sector. Such initiatives deepen the collaboration between academia and industry and enhance the university's local and international standing.

Dr. Abdullah Abdullah, Director of the HEIG project at USAID, highlighted the importance of the initiative in improving performance and building strong networks with the industrial sector. He said, "This project showcases the potential of Jordanian universities, like Yarmouk, to effectively integrate academic knowledge with industrial solutions, ensuring continued cooperation even after the project ends."

Dr. Dania Bani Hani, the Project Director at Yarmouk University and the Vice Dean of the Hijjawi Faculty for Engineering Technology, emphasized the significance of the initiative for the university. She explained that the first phase of the project focuses on identifying the university's continuous improvement needs and addressing them effectively. The second phase will prioritize collaboration with the industrial sector to solve industry-specific challenges, aligning with the university's commitment to serving the local community and enhancing its practical application capabilities.

The project team includes faculty members from the Hijjawi Faculty for Engineering Technology, as well as the faculties of pharmacy and medicine, showcasing a multidisciplinary approach to achieving the project's objectives.



## Hijjawi Faculty Organizes the "WEFE Nexus Hackathon"



Hijjawi Faculty for Engineering Technology organized the "WEFE Nexus Hackathon" in collaboration with H-BRS University in Germany and supported by the German DAAD Foundation, with the participation of 32 students from Yarmouk University and Petra University. The event was inaugurated by Dr. Mwaffaq Otoom, Vice President of Yarmouk University for Institutional Development and Global Rankings, representing the University President.

In his opening speech, Dr. Otoom emphasized Yarmouk University's commitment to preparing its students to participate in various competitions and events to enrich their knowledge and enhance their skills in their fields of study. He highlighted the active collaboration between Yarmouk University, DAAD, and H-BRS University, stating that the hackathon focuses on innovative student projects in food, energy, environment, and water. These themes were selected due to the significant challenges Jordan faces in these areas, with the aim of finding practical solutions that can be implemented in real-life scenarios.

The competition saw the participation of 32 students from Yarmouk and Petra universities, who presented innovative entrepreneurial ideas centered around food, energy, environment, and water. The projects were judged by a committee from Hijjawi Faculty led by Dr. Amjad Al-Fahoum, with members including Dr. Dania Bani Hani and Dr. Ali Shehadeh, in the presence of the H-BRS University project team who joined remotely via Microsoft Teams.

Dr. Otoom concluded the hackathon by emphasizing the importance of such events in developing students' skills and fostering their creativity. He noted that the chosen themes reflect the critical challenges Jordan faces in these vital areas. The closing ceremony was attended by Dr. Mohammad Alzubaidi, Dean of Hijjawi Faculty for Engineering Technology, along with several faculty and administrative members, who praised the quality of the projects and the high level of participation.



## Hijjawi Faculty Organizes an Interactive Workshop Titled "Designing Life with Purpose"



Under the patronage of Dr. Islam Massad, President of Yarmouk University, Hijjawi Faculty of Engineering Technology, in cooperation with the Hisham Adeb Hijjawi Scientific Foundation, organized an interactive workshop titled "Designing a Purposeful Life." The workshop was conducted by experts from the Swiss company "Real Resilience," Dr. Christopher Ott and Josiah Ott.

In his opening remarks, Dr. Mwaffaq Otoom, Vice President of Yarmouk University for Institutional Development and Global Rankings, emphasized Yarmouk University's commitment to developing students' skills and enhancing their capabilities to refine their personalities, empower their self-development, and prepare them to integrate efficiently into the university environment and professional life after graduation. He commended the fruitful collaboration between Hijjawi Faculty and the Hisham Adeb Hijjawi Scientific Foundation, which has resulted in numerous initiatives and activities that have positively impacted the college's academic journey and the skill levels of its students.

Dr. Mohammad Alzubaidi, Dean of Hijjawi Faculty for Engineering Technology, noted that the workshop aimed to enhance students' abilities in life design methodology, positive psychology, and self-development, enabling them to make decisions related to their personal and professional lives in a creative and innovative manner using design-thinking methods. He also expressed gratitude to the "Real Resilience" team for supervising the workshop, which provides deep insights into human growth and development, helping students build the resilience necessary to overcome challenges and craft paths aligned with their values, passions, and goals.

The workshop, attended by 60 students from various faculty departments, featured a series of collaborative activities, stimulating discussions, and interactive sessions designed to empower youth to discover their individual passions and align them with professional pathways. The program also introduced concepts related to psychology, neuroscience, strategic thinking, self-awareness practices, and personal development.

Over three days, the workshop explored various topics focusing on developing students' skills in life design methodology, positive psychology, and design thinking, aimed at preparing them to achieve their personal and professional goals while making decisions that reflect their values and aspirations.

Yarmouk University President Dr. Islam Massad met with Dr. Christopher Ott and Josiah Ott from "Real Resilience," where he commended their efforts and the exceptional content delivered during the workshop, which contributed to enhancing students' skills and refining their personalities.



## Hijjawi Faculty Organizes "IEEE EMBS National Day"



On behalf of Yarmouk University President, Vice President for Academic Affairs Dr. Mousa Rababa'h inaugurated the IEEE EMBS National Day event, organized by the IEEE EMBS branch at the Hijjawi Faculty for Engineering Technology. The event brought together participants from the German Jordanian University, Jordan University of Science and Technology, and the Hashemite University, with the presence of Vice President for Administrative and Financial Affairs Dr. Yousef Obeidat, Dean of Hijjawi Faculty Dr. Mohammad Alzubaidi, Chair of IEEE Jordan Dr. Mousa Al-Akhras, and Chair of IEEE EMBS Jordan Dr. Hisham Al-Muwaqqat.

Dr. Rababa'h emphasized Yarmouk University's dedication to fostering knowledge, innovation, and interdisciplinary collaboration. He highlighted the importance of this event, showcasing the intersection of engineering, medicine, biology, physics, and computing to address contemporary challenges and provide innovative solutions.

Dr. Alzubaidi underlined the rapid advancements in science and technology, particularly in medical engineering, and praised the Biomedical Systems and Informatics Engineering Department for equipping students with the technical skills needed for the evolving field of medical technologies. He noted the significance of this event in fostering cooperation, exchanging ideas, and promoting the role of medical engineering in tackling modern healthcare challenges.

Dr. Mousa Al-Akhras, Chair of IEEE Jordan, commended Hijjawi Faculty for supporting IEEE and IEEE EMBS student branches, enabling them to achieve regional and international recognition with 348 members. He encouraged students to leverage this event as a launchpad for innovative medical engineering projects.

Dr. Hisham Al-Muwaqqat, Chair of IEEE EMBS Jordan, shared the branch's journey since its establishment in 2018, now boasting 165 members focused on advancing medical engineering technologies to improve healthcare quality worldwide.

Fares Al-Moqbel, Supervisor of Yarmouk University's IEEE EMBS student chapter, highlighted the chapter's achievements, with over 20 activities this year aimed at enhancing skills in medical engineering. He thanked the faculty for its continued support.

The event concluded with Dr. Rababa'h presenting certificates of appreciation to the winning teams, recognizing their innovative contributions to the field of medical engineering and encouraging further advancements in the discipline.



## Yarmouk University Honors Hijjawi Faculty for Engineering Technology for Earning International ABET Accreditation



During the Distinguished Researchers' Ceremony held on October 23, 2024, Yarmouk University recognized Hijjawi Faculty for Engineering Technology for achieving the prestigious international ABET accreditation for its academic programs, highlighting the college's high-quality engineering education.

In the presence of Chair of the Board of Trustees Dr. Rowaida Al-Maaitah and University President Dr. Islam Massad, both emphasized that this accreditation serves as an international acknowledgment of the faculty's commitment to the highest academic standards. This milestone places Hijjawi Faculty among leading engineering faculties worldwide, equipping students with a quality education that enhances their professional competencies, aligning with the university's commitment to sustainable development and scientific innovation.



## Hijjawi Faculty Participates in the Meeting at HCST to Support Gaza Students



The Dean of Hijjawi Faculty for Engineering Technology, Prof. Mohammad Alzubaidi, recently participated in an important meeting at the Higher Council for Science and Technology (HCST), which was chaired by Prof. Mashhour Al-Refai. The primary focus of the meeting was to explore and discuss potential strategies and initiatives to support students in Gaza, ensuring they have the opportunity to continue their studies and complete their academic degrees despite the ongoing challenges they face.

During the meeting, participants deliberated on various avenues for assistance, including scholarship programs, online learning opportunities, and logistical support to help Gaza students overcome barriers to education. The goal is to provide these students with the resources they need to pursue their academic and professional goals, empowering them to contribute to the development of their communities and beyond.

The collaboration between HCST and other academic institutions, including the Hijjawi Faculty, underscores a collective commitment to supporting higher education in Gaza and fostering academic ties with students in the region. The meeting also emphasized the importance of solidarity and collaboration in times of adversity, with the aim of ensuring that no student's potential is limited due to external challenges.

## Hijjawi Faculty Participates in the Quality Week Held at Yarmouk University



Hijjawi Faculty for Engineering Technology recently participated in the Quality Week event held at Yarmouk University, where it showcased its significant achievements in academic excellence and program accreditation. During this week-long event, the faculty highlighted its successful journey toward obtaining ABET (Accreditation Board for Engineering and Technology) international accreditation for seven of its bachelor's degree programs.

The presentation emphasized the rigorous process of meeting ABET's global standards, which focus on ensuring that engineering and technology programs provide high-quality education and adequately prepare students for their careers. Faculty members shared insights into the challenges they faced, the improvements made in the curriculum, and the collaborative efforts among academic staff to meet ABET's criteria for excellence in education.

The participation of Hijjawi Faculty in Quality Week was an opportunity to not only celebrate this major milestone but also to inspire other academic institutions to pursue accreditation and enhance their programs. The event reflected the faculty's ongoing commitment to continuous improvement, academic innovation, and the development of future engineers who are equipped with the skills needed to succeed in a global workforce.



## Regular Meeting of the Academic Body at Hijjawi Faculty for Engineering Technology



At the invitation of the Dean of Hijjawi Faculty for Engineering Technology, Dr. Mohammad Alzubaidi, the regular meeting of the faculty's academic body was held on Tuesday, November 5, 2024, in Wisam Bishnaq Hall. The meeting aimed to foster communication with faculty members and benefit from their expertise.

During the meeting, Dr. Alzubaidi updated the faculty members on the latest developments in the college's activities, operations, and plans, particularly regarding the second semester of the 2024/2025- academic year. Key topics discussed included the academic schedule, the framework for aligning qualifications with the national qualification framework, local accreditation for the college's programs, self-assessment, and career readiness initiatives.

The meeting was attended by the college's vice deans, assistant dean, department heads, and several faculty members from various departments. At the end of the meeting, an open discussion was held, during which attendees emphasized the importance of holding such meetings regularly to enhance communication and collaboration within the college.



## Regular Meeting for Administrative and Technical Staff at Hijjawi Faculty



At the invitation of the Dean of Hijjawi Faculty for Engineering Technology, Dr. Mohammad Alzubaidi, the regular meeting for the administrative and technical staff of the college was held on Wednesday, December 11, 2024, in Wisam Bishnaq Hall. The meeting aimed to enhance communication between the college administration and staff while fostering an open-dialogue approach to improving the work environment.

Dr. Alzubaidi began the meeting by welcoming the attendees and expressing his appreciation for their essential role in the college's success. He also encouraged attendees to share their feedback and suggestions to enhance workflows within the college and the university. Various issues were discussed, creating a productive atmosphere of interaction and constructive exchange of ideas.

The meeting, attended by the deans and several academic department heads, concluded with a reaffirmation of the importance of holding such regular meetings. Attendees emphasized their role in strengthening collaboration and achieving shared goals, contributing to the college's aspirations and its promising future.

## Workshop at Hijjawi Faculty: "E-Commerce and Building Your Brand"



The Hisham Hijjawi Scientific Incubator, in collaboration with the Career Development Unit at Hijjawi Faculty for Engineering Technology, organized an exceptional workshop titled "E-Commerce and Building Your Brand" on Thursday, December 12, 2024, in Wisam Bishnaq Hall.

The workshop was launched by Dr. Mohammad Alzubaidi, Dean of Hijjawi Faculty, who welcomed the attendees and emphasized the importance of such events in enhancing students' professional skills. He highlighted the role of these initiatives in bridging the gap between academic education and market demands, helping to prepare a generation capable of excelling in the digital business world.

The session was delivered by Engineer Hamed Al-Qweism, a business developer and trainer in online entrepreneurship. He provided an insightful overview of the fundamentals of e-commerce and strategies for building a distinctive brand, supported by practical examples and inspiring success stories.

The workshop concluded with an interactive Q&A session, where Engineer Al-Qweism answered attendees' questions and offered additional advice on launching successful digital projects. Participants expressed their gratitude for the valuable information shared during the session and their excitement in implementing these ideas in their future endeavors.



## Workshop on CV Writing and Job Interview Skills for Engineering Students



The Hisham Hijjawi Scientific Incubator, in collaboration with the Career Development Unit at the Hijjawi Faculty for Engineering Technology, organized a workshop titled "CV Writing and Job Interview Skills" for engineering students.

The workshop began with a welcome speech by Dr. Dania Bani Hani, Vice Dean of the Hijjawi Faculty for Engineering Technology, followed by a presentation by Engineer Hamed Al-Qweism. During his presentation, Al-Qweism shared valuable tips on crafting tailored CVs that align with the specific requirements of job applications. He also provided practical advice on creating an engaging CV that highlights the unique skills of applicants.

The session also covered the essentials of building professional online profiles, with a focus on LinkedIn as a model. The importance of regularly updating professional profiles was emphasized, along with how such updates can enhance visibility and distinction in the job market. The workshop highlighted the need for students to align their skills with market demands, helping them stand out in an increasingly competitive environment.

The workshop concluded with an interactive Q&A session, during which students expressed their gratitude for the valuable insights shared. They asked questions about CV preparation and job interview techniques, reflecting their enthusiasm for applying the knowledge gained in their career pursuits.

## The Electronics Engineering Department Organizes a Tribute to Prof. Zaid Bataineh



The Electronics Engineering Department recently organized a heartfelt tribute to honor Prof. Zaid Bataineh for his exceptional leadership and dedicated service as the Head of the Department of Electronics Engineering over the past five years. The event was a testament to Prof. Bataineh's impactful contributions, vision, and unwavering commitment to advancing the department's academic and research endeavors.

The ceremony was graced by the presence of Prof. Mohammad Alzubaidi, the Dean of Hijjawi Faculty for Engineering Technology, who praised Prof. Bataineh's achievements and acknowledged his efforts in fostering a culture of excellence within the department. A number of faculty members, administrative staff, and other dignitaries also attended the tribute, reflecting the high regard in which Prof. Bataineh is held by his colleagues and peers.

The event included speeches highlighting Prof. Bataineh's significant accomplishments during his tenure, such as initiating innovative academic programs, enhancing research opportunities, and strengthening industry collaborations. Colleagues shared anecdotes and expressed their gratitude for his guidance, mentorship, and visionary leadership.

The tribute concluded with a formal presentation of a commemorative token of appreciation to Prof. Bataineh, symbolizing the department's gratitude for his invaluable contributions. The gathering served as a moment of reflection and celebration of his legacy, as well as an opportunity to wish him continued success in his future endeavors.

## The Communication Engineering Department Organizes a Tribute to Prof. Zuhair Hijaz



The Communication Engineering Department recently organized a heartfelt ceremony to honor Prof. Zuhair Hijaz on the occasion of his retirement and the conclusion of his distinguished career at the Hijawi Faculty for Engineering Technology, Yarmouk University. The event was a celebration of Prof. Hijaz's decades of dedication, remarkable achievements, and lasting contributions to the academic and professional growth of the faculty.

The ceremony was attended by faculty members to recognize and express their deep gratitude for Prof. Hijaz's invaluable service. Speakers at the event highlighted his numerous accomplishments, including his pioneering contributions to the field of communication engineering, his commitment to teaching and mentoring students, and his significant role in academic excellence at Yarmouk University.

The ceremony concluded with warm wishes for Prof. Zuhair Hijaz as he embarks on this new chapter of life.

## Hijjawi Faculty Participates in Makers' Forum with Innovative Student Projects

Hijjawi Faculty for Engineering Technology actively participated in the "Makers' Forum" organized by the Crown Prince Foundation in Al-Hussein Youth City, presenting four innovative student projects from its various departments.

The first project was titled "Smart Helmet for Military Purposes." It is a graduation project by students Lina Al-Quraan and Mohammad Gharaybeh from the Department of Electronics Engineering, Omar Khattab from the Department of Computer Engineering, and Lama Al-Khatib from the Department of Communications Engineering, supervised by Dr. Yusra Obeidat, the Head of the Department of Electronics Engineering. This project received financial support from the King Abdullah II Fund for Development in collaboration with the Jordan Design and Development Bureau.

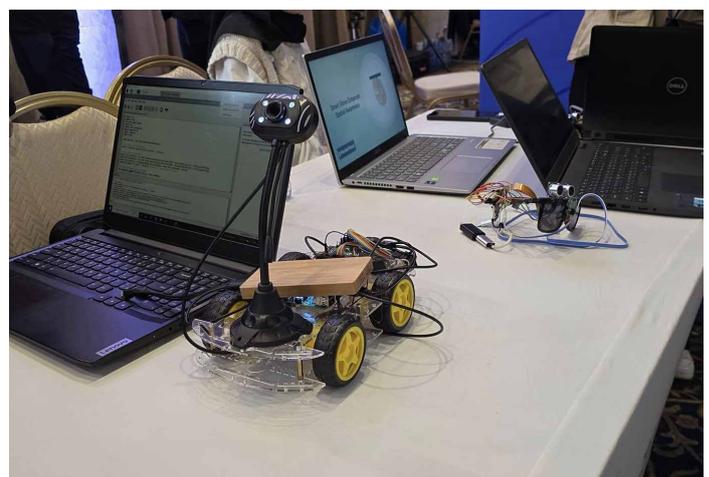
The second project, titled "Spider Robot for Detecting Humans Alive," was a graduation project by students Suleiman Nusirat, Ibrahim Al-Akour, and Ghassan Swaleha from the Department of Electronics Engineering, also supervised by Dr. Yusra Obeidat.

The third project, titled "Smart Glasses for Instant Translation," was developed as a graduation project by students Issa Al-Rabadi, Ghaith Bani Hani, Saad Daghemat, and Mohammad Abu Risha from the Department of Communications Engineering, under the supervision of Dr. Sharief Abdel-Razeq.

The fourth project, titled "Smart Gloves for the Visually Impaired," was a graduation project by students Sara Al-Taani, Nour Ayasrah, Rahaf Al-Ahmad, and Lubna Abu Jaloud from the Department of Communications Engineering, supervised by Dr. Sharief Abdel-Razeq.

Hijjawi Faculty presented these innovative projects as part of its commitment to enhancing its students' skills in innovation, creativity, and the practical application of scientific knowledge to projects that serve society.

Attending the forum were Dr. Yusra Obeidat, Head of the Department of Electronics Engineering, and Dr. Sharief Abdel-Razeq from the Department of Communications Engineering, who supported and encouraged the participating students and praised the high quality of the projects, which demonstrated the capabilities of Hijjawi students in innovation and solving engineering challenges.



## Department of Communication Engineering Hosts Lecture on Bridging Engineering and Management: Pathways to Top U.S. Business Schools

On behalf of the Dean of Hijjawi Faculty of Engineering Technology, Prof. Mohammad Alzubaidi, the Vice Dean, Prof. Dr. Zaid Al-Bataineh, sponsored an introductory lecture titled: "How to Get Admitted to Top Business Schools in the United States of America."

This lecture was organized by the Department of Communication Engineering and addressed the topic of bridging the gap between engineering industries and management. It was delivered by Dr. Atef Abu-Ageel, who focused on excelling in the field of engineering management, particularly after acquiring practical and industrial experience. He also outlined effective methods for enrolling in graduate programs in engineering management at prestigious universities in the United States.

Dr. Atef Abu-Ageel, one of the distinguished graduates of Hijjawi Faculty, currently serves as the Director of the EKV Space Missile program at Raytheon and simultaneously works as a university professor at the University of Arizona in the United States.

This lecture was organized under the supervision of Prof. Zaid Al-Bataineh, Vice Dean of Hijjawi Faculty for Engineering Technology, and Dr. Hasan Aldiabat, Head of the Department of Communication Engineering. The lecture was introduced by Dr. Mohammad Rawhi Al-Rawashdeh from the Department of Communication Engineering.



## The Communication Engineering Department Held a Workshop for Master's Students

As part of the activities of the Department of Communication Engineering, Dr. Amjad Abu-Baker held and managed a workshop for master's students in the department about the "Network Simulator (NS-2)", which specializes in the field of wireless communications and networking. This workshop aims to increase the knowledge of the graduate students on how to conduct studies and research in specialized area of the wireless networks engineering. The workshop was held on Tuesday 10/2024-29- for the first semester of the academic year 2024/2025-.

## Hijjawi Faculty Launches a Team Dedicated to Sustainability and Green Building



The Yarmouk Engineers for Sustainability and Green Building (YESG) team has been officially launched under the supervision of Dr. Muath Abu Qamar. The team comprises a select group of students from various engineering disciplines within the Hijjawi Faculty for Engineering Technology. Its mission is to promote the principles of sustainability and foster a culture of green building among students and the broader engineering community.

The team's focus is on raising awareness about the importance of sustainable construction and implementing engineering practices that contribute to environmental preservation. Their activities include topics such as green building design, green roofs, utilizing native plants, and chemical-free engineering practices. The team also plans to organize workshops, seminars, and practical projects to inspire students to adopt sustainable practices in their future careers.

The YESG team serves as a pioneering platform for engineering students to collaborate on innovative ideas and projects that support environmental protection and enhance social responsibility. This initiative reflects the college's commitment to sustainability and green engineering, empowering students to lead impactful changes in their professional journeys.

## Civil Engineering Department Held a Workshop on Reading Engineering Blueprints



The Department of Civil Engineering at Hijjawi Faculty for Engineering Technology held a specialized workshop titled "Reading Engineering Blueprints," supervised by Dr. Faisal Al-Shalabi. The workshop was presented by Engineer Mahmoud Abu Jaber from the Jordanian Engineers Association and attended by faculty members and students from the department.

In this workshop, Engineer Abu Jaber provided valuable insights into understanding engineering drawings and the differences between various types. He also gave a demonstration on creating these blueprints using specialized software, StaadPro. The workshop primarily targeted senior students, focusing on practical skills required on-site, helping them gain essential knowledge and proficiency in handling engineering blueprints.

The session proved especially beneficial for students about to begin their graduation projects, introducing them to crucial software for analysis, design, and producing detailed drawings of structural elements. Additionally, the workshop strengthened the collaboration between the Department of Civil Engineering and the Jordanian Engineers Association for the benefit of the students. Engineer Abu Jaber expressed interest in organizing further workshops, aiming to provide specialized courses on using software for structural analysis, design, quantity estimation, and blueprint production.

## Hijawi Faculty Hosts Returnees from Airbus Internship Program in France as Part of the Crown Prince Foundation's Training Program



Under the patronage of Professor Mohammad Alzubaidi, Dean of Hijawi Faculty for Engineering Technology, the faculty hosted an event featuring a group of students who returned from their internships with Airbus in France, as part of the international training program organized by the Crown Prince Foundation.

Alzubaidi stated that this event is part of the university and faculty's ongoing efforts to foster communication, share expertise, and encourage students to take advantage of training opportunities that help develop their academic and professional skills, thus opening new horizons in their career paths.

Students Tala Hashem, Yazan Masalha, Jad Al-Sunna', and Ali Al-Hanbali shared their inspiring experiences, reflecting on their journey with Airbus. They discussed the application process, training opportunities, and how they benefited from the program.

The event, attended by a number of faculty and administrative staff members, as well as a gathering of students, also included an introduction to the Crown Prince Foundation and information on how to benefit from the opportunities it provides, particularly in terms of economic engagement for Jordanian youth.



## Hijjawi Faculty Organizes a Workshop on “Hydrogen-Based Green Engine Enhancement”

Under the patronage of Dr. Mohammad Alzubaidi, Dean of Hijjawi Faculty for Engineering Technology at Yarmouk University, and on his behalf, Dr. Zaid Bataineh, Vice Dean, a workshop was held on Tuesday, November 19, 2024, to discuss the research project titled “Hydrogen-Based Green Engine Enhancement.” The project is supported by the Royal Academy of Engineering in the UK and conducted in partnership with Aston University, the University of Jordan, the Higher Council for Science and Technology, and Saru Municipality.

The workshop was attended by representatives from Aston University, the University of Jordan, and Saru Municipality, along with several faculty members and students at the college.

During the workshop, the project’s key findings were presented, followed by a detailed discussion of its outcomes. The focus was placed on the importance of the project in developing sustainable technologies that utilize hydrogen as a clean fuel, contributing to reducing carbon emissions and promoting innovative environmental solutions.

Professor Ammar Al-Rousan, the project director, emphasized the significance of collaborative research between academic institutions and community partners to achieve mutual benefits and foster innovation in the field of clean energy.

This workshop is part of the ongoing efforts of Hijjawi Faculty to support scientific research and foster local and international partnerships. It also encourages students and faculty members to actively participate in pioneering projects that contribute to sustainable development and community service.

The event reflects the commitment of Hijjawi Faculty to advancing innovative research projects that have a positive impact on science, the environment, and society.



## Distinguished Career Development Event at Hijjawi Faculty: Laith Al-Qarawi and Endad Contracting - A Success Story Rooted in Hijjawi Faculty

Under the patronage of the Dean of Hijjawi Faculty for Engineering Technology, Prof. Mohammad Alzubaidi, and on his behalf, the Vice Dean, Professor Dr. Zaid Bataineh, the Career Development Unit organized a distinguished event that was held in collaboration with the student team Steel under the supervision of Dr. Mohammad Al-Tamimi. It hosted Engineer Laith Al-Quraawi, the founder of "Endad Contracting Company" and one of the distinguished graduates of the faculty, as part of the college's efforts to enhance career development and connect students with the labor market.

The event witnessed a large attendance and enthusiastic participation from students and faculty members. During the session, Engineer Al-Quraawi delivered a lecture where he shared his professional success story, which started from the halls of the college and led to the establishment of his pioneering company. The lecture focused on how to transform ideas into successful entrepreneurial projects, emphasizing the role of innovation and creativity in achieving professional excellence.

Additionally, Endad Contracting Company honored a group of students who recently won faculty competitions, including the Wooden Bridge Contest and the Geo-Wall Structures Contest. The winners received gifts in recognition of their efforts and encouragement to continue excelling and achieving more success.

This event is part of a series of activities organized by the college to enhance career development and connect students with inspiring practical experiences. These efforts aim to develop students' academic and professional skills while reinforcing the college's vision of supporting innovation and excellence.



## Hijjawi Faculty Hosts Career Development Workshop: "Bridging the Gap Between the Job Market and University Teaching"

Under the patronage of the Dean of Hijjawi Faculty for Engineering Technology, Dr. Mohammad Alzubaidi, the Department of Architectural Engineering organized a career development workshop titled "Bridging the Gap Between the Job Market and University Teaching."

The workshop focused on topics related to market demands and the development of professional skills for students. The workshop featured a valuable lecture by Engineer Shaker Khalif, founder of BIM Lab, who shared his extensive experience in market requirements and the importance of technical skills in engineering.

In his opening remarks, Dr. Alzubaidi emphasized the importance of strengthening the connection between university education and the job market. He highlighted that the workshop aligns with the college's ongoing efforts to equip students with practical skills that enable them to excel and compete in professional fields locally and internationally.

Dr. Alzubaidi commended the Department of Architectural Engineering for its active role in organizing such events. He also highlighted the significance of recently introduced career preparation courses in enhancing students' readiness for the workforce.

The event, attended by faculty members, administrative staff, and students, concluded with participants expressing their appreciation for the workshop's scientific content. Attendees emphasized the value of the discussions and guidance provided, which will better prepare them to face future challenges.

This workshop is part of the college's broader initiative to strengthen collaboration with the job market, ultimately benefiting students and the wider community.



## Academic Collaboration Strengthened Through Visit to the Biomedical Systems and Informatics Engineering Department

In a bid to enhance academic collaboration and exchange expertise between faculties, a delegation from the Faculties of Pharmacy and Nursing, including Dr. Anas Ababneh, Head of the Basic Nursing Department, and Dr. Alaa Yahya from the Faculty of Pharmacy, along with several faculty members, visited the Biomedical Engineering Department at Hijjawi Faculty for Engineering Technology on Thursday, December 12, 2024.

The visit was organized under the supervision of the Head of the Biomedical Engineering Department, Engineer Sami Al-Mashaqbeh, and overseen by Professor Dr. Awad Al-Zaben, the committee supervisor in the department. Dr. Al-Zaben emphasized the importance of such meetings in fostering integration between medical and engineering disciplines, aligning with the university's aspirations to advance educational processes and scientific research. The visit aimed to familiarize the delegation with the department's facilities and advanced laboratories, and to observe the modern teaching methods employed to train students. A comprehensive explanation was provided on how practical laboratories are utilized to enhance students' scientific and practical skills, contributing to the graduation of competent professionals ready to face the challenges of the job market. The tour included visits to several key laboratories in the department.

This visit is part of the joint efforts by the university's faculties to strengthen academic cooperation and achieve Yarmouk University's vision of providing a comprehensive educational environment that meets labor market needs and keeps pace with technological advancements.



## The Closure of the Project “A Smart Helmet for Military Purposes” Funded by the King Abdullah II Fund for Development.

On December 11th, 2024, Dr. Yusra Obeidat and student Lina Al-Qura'an concluded the “Smart Helmet for Military Purposes” project, funded by the King Abdullah II Fund for Development (KAJD). Lina presented the final progress report and demonstrated the helmet, while Dr. Yusra signed the closure document and submitted the helmet to KAJD and the Jordan Design and Development Bureau (JODDB).

The smart helmet integrates advanced technologies to enhance soldier safety and performance. It features LoRa technology for long-distance communication, an SOS button for emergencies, and a water-resistant camera capable of high-quality imagery and real-time broadcasting. Its durable build and intuitive one-button camera control with vibration feedback make it highly functional in tough conditions.

The helmet includes augmented reality (AR) displays for mission objectives, GPS maps, and real-time data overlays, along with a voice recognition system supporting up to 80 commands for hands-free operation. A wristwatch monitors vital signs, while LiDAR sensors, thermal imaging, and a carbon monoxide detector ensure enhanced safety and threat detection.

This project represents a significant step in modern military gear, combining innovative features to improve operational efficiency and soldier well-being. Future plans aim to refine the helmet for commercial use in collaboration with JODDB.



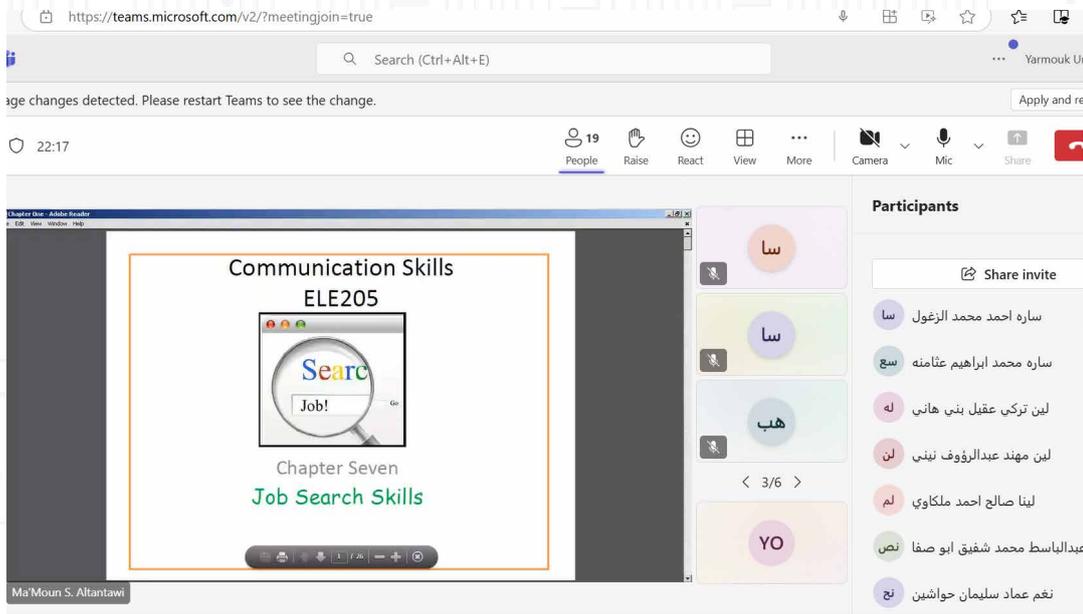
## The Electronics Engineering Department Organizes a Workshop Titled "Engineering Sense and Hands-On Skills"



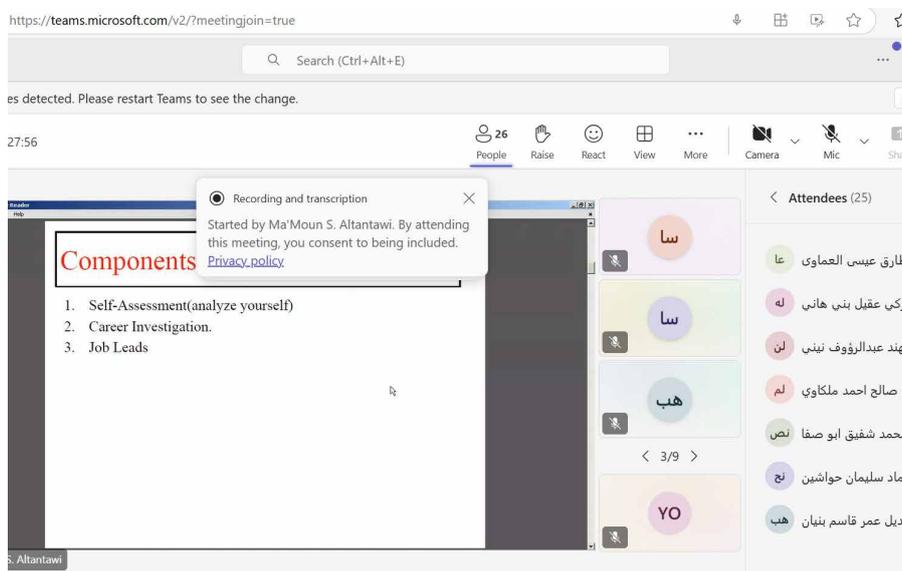
The Electronics Engineering Department organized a workshop titled "Engineering Sense and Hands-On Skills," presented by Inst. Mohammad Al-Sumady. In the workshop, he explained the fundamentals of hands-on skills essential for the Electronics Engineering field and the abilities that ensure students' proficiency in the discipline by the time they graduate. He also discussed how to develop engineering intuition through daily learning, reading, consulting various references, and engaging in practical application from the early years of study. The workshop was tailored for students enrolled in the courses "Career Development 1" and "Career Development 2" and was attended by several students from the department and the head of the department Dr. Yusra Obeidat.



## The Electronics Engineering Department Organizes a Workshop Titled "Job Search Skills"



The Electronics Engineering Department organized a workshop titled "Job Search Skills" presented by Inst. Ma'moun Altantawi. The session focused on essential skills for students seeking job or training opportunities, including crafting an effective CV, creating a professional LinkedIn profile, and expanding professional networks by connecting with employers in their field. It also covered interview techniques and key communication skills required to succeed in job interviews. The workshop was specifically designed for students enrolled in the "Career Development 1" and "Career Development 2" courses and was attended by several students from the department, along with the department head, Dr. Yusra Obeidat.



## The Electronics Engineering Department Organizes a Workshop Titled "Time Management Skills"

### Time Management Skills



### Activity #1

- How long is a minute?

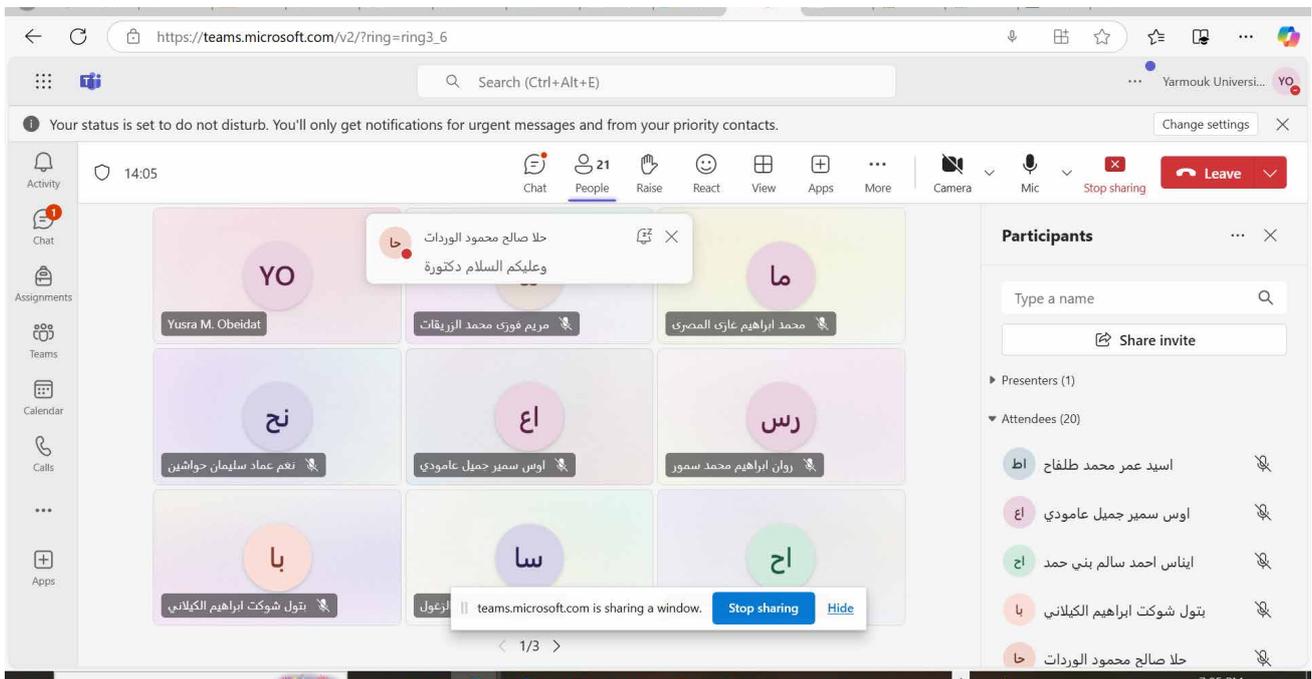


Figuring out how you and your colleagues perceive time.

Tue, 31/12/2025  
7:00-9:00 pm  
Online

**Speaker:** Dr. Yusra Obeidat  
Associate Professor, Yarmouk University  
PhD in Electrical and Electronics Engineering, Colorado State University

The Electronics Engineering Department organized a workshop titled "Time Management Skills," led by Dr. Yusra Obeidat, the department head. The session explored the concept of time management, its significance in saving time and enhancing work quality, the steps necessary for effective time management, the consequences of poor time management, and strategies for organizing and managing time effectively. The workshop featured engaging activities that encouraged active student participation and was tailored for students enrolled in the "Career Development 1" and "Career Development 2" courses.



## The Electronics Engineering Department Organizes an Introductory Workshop on the "Innovation Hub" Platform Launched by JODDB.



The Electronics Engineering Department organized an introductory workshop on the "Innovation Hub" platform launched by the Jordan Design and Development Bureau (JODDB). The session was led by Ahmed Freihat, Head of Institutional Development and Director of the Platform, who delivered a presentation on the bureau's products and projects. He also provided an overview of the Innovation Hub, the interactive platform, the application process for project and idea support, the evaluation criteria, and the opportunities available to recipients of the support. After the presentation, Ahmed Freihat and Eng. Radi Al-Wardat answered questions from the attendees. The workshop was attended by the Dean of the Faculty, Dr. Mohammad Alzubaidi, Dr. Yusra Obeidat the Head of the Electronics Engineering Department, as well as several faculty members and students from the college.



## The Electronics Engineering Department Organizes a Session on the "Support for Research and Innovation Project for Students of Jordanian Public and Private Universities"



The Electronics Engineering Department organized an introductory session on the "Support for Research and Innovation Project for Students of Jordanian Public and Private Universities" one of the initiatives of the King Abdullah II Fund for Development.

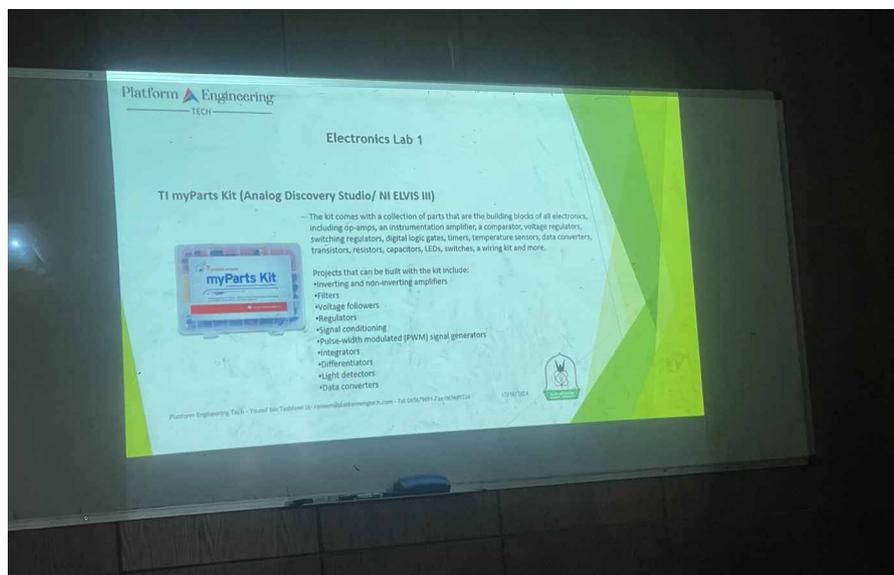
The workshop was presented by Farah Rawashdeh from the King Abdullah II Fund for Development, Eng. Radi Al-Wardat, Head of the Applied Research and Scientific Collaboration Department at the Jordan Design and Development Bureau (JODDB), the Dean of the Faculty, Dr. Mohammad Alzubaidi, Dr. Yusra Obeidat the Head of the Electronics Engineering Department, as well as several faculty members and students from the college.



## Electronics Engineering Department Hosts Engineers from Platform Engineering Tech



As part of its initiative to upgrade electronics laboratories and establish new robotics labs, the Electronics Engineering Department welcomed engineers from Platform Engineering Tech, the authorized agents of NI Company. The engineers delivered a comprehensive presentation on the latest technologies and advanced equipment suitable for enhancing electronics labs and setting up robotics labs. The session included a detailed overview of potential tools and devices to support the department's development goals. Faculty members and lab instructors from the Electronics Engineering Department attended the workshop.



## Two projects from the Electronics Engineering Department have Qualified for Support from KAFD in Cooperation with JOddb



Two projects from the Electronics Engineering Department have qualified for support from the King Abdullah II Fund for Development (KAFD) in collaboration with the Jordanian Design and Development Bureau (JOddb).

The first project, "Autonomous Climbing Wall Robot for Inspection and Maintenance", is a graduation project by Ayat Omar Al-Taani, Tuqa Mohammed Obeidat, and Salma Ammar Obeidat, supervised by Dr. Idrees Al-Kofahi. This robot can navigate vertical surfaces like glass or metal for inspection and maintenance, reducing risks, labor, and time in hazardous environments.

The second project, "Underwater Robot for Sea Water Purification", is a joint effort by Abrar Said Ghanem, Muntaha Omar Issa (Electronics Engineering), and Anas Mohammed Al-Zoubi, Mohammad Abdulrahman Al-Hajila (Mechanical Engineering). Supervised by Dr. Shadi Alboon and Dr. Mohammed Al-Zoubi, this robot uses AI and advanced sensors to detect and remove pollutants, offering a sustainable solution to ocean pollution.

Both projects were presented at KAFD's office at the University of Jordan.

Dr. Yusra Obeidat, the head of the Electronics Engineering Department, emphasized that student participation in such competitions enhances their self-confidence, independent thinking, and creativity, encouraging them to innovate ideas and projects that serve human life and make a clear impact on society and the world.

Prof. Mohammed Alzubaidi, Dean of the Hijawi Faculty for Engineering Technology, praised the students and supervisors, emphasizing the importance of practical learning and the faculty's commitment to supporting students' success and societal contributions.

## Yarmouk University Medical Professions Committee Hosts Community Awareness Day



As part of the activities of the Medical Professions Committee at Yarmouk University, the committee organized a community awareness day in collaboration with the Al-Muqari Charity Association on Saturday, December 21, 2024.

The event included medical check-ups and awareness sessions on cardiovascular diseases, along with demonstrations on the proper use and functioning of medical devices.

Under the supervision of Professor Dr. Awad Al-Zaben from the Biomedical Engineering Committee, students Fares Muqbel, Ahmed Al-Khalaileh, and Sundus Alawneh provided comprehensive explanations on the operation of blood pressure monitors, blood glucose monitors, pulse oximeters, and gas analyzers. They also offered detailed guidelines on the correct usage of these devices to ensure maximum benefit and avoid potential harm due to misuse. Additionally, some tests were conducted, such as measuring blood pressure, blood oxygen levels, and heart rate.

The day was filled with enthusiasm and positive interaction, especially with the fruitful collaboration between medical professionals from the fields of biomedical engineering, medicine, pharmacy, and nursing, who came together under one roof to serve the local community and raise awareness about the importance of maintaining a healthy lifestyle.

## Hijjawi Faculty Hosts "Education for Sustainable Development" Event



In collaboration with Nuremberg University, Germany, and organized by the American Society for Engineering Education (ASEE) student chapter, Hijjawi Faculty for Engineering Technology successfully hosted the event "Education for Sustainable Development". The event featured two distinguished speakers, Professor Dr. Katrin Valentin and Mr. Florian Kammermeier, who offered profound insights on critical topics related to sustainability in education.

Professor Dr. Katrin Valentin presented five innovative approaches to integrating sustainability into educational frameworks, emphasizing how academic institutions can embed sustainable practices into their curricula to prepare students for future challenges. Meanwhile, Mr. Florian Kammermeier provided a dynamic perspective on students' roles in addressing climate change within universities, highlighting the importance of youth leadership in driving sustainable change.

The event, attended by students, faculty members, and staff from Yarmouk University, was a resounding success. Professor Dr. Mohammad Alzubaidi, Dean of Hijjawi Faculty for Engineering Technology, expressed his gratitude to the speakers for their invaluable contributions in supporting the university's mission to promote sustainability through education.

The sessions were conducted online via Microsoft Teams, enabling broad participation and active engagement from both local and international attendees. Hijjawi Faculty looks forward to continuing its collaboration in fostering meaningful discussions and implementing sustainable development strategies in higher education.

# Students Activities

## Celebration of the Graduation Notebooks for the Students of Hijjawi Faculty



Under the patronage of Professor Dr. Mohammad Alzubaidi, Dean of the Hijjawi Faculty for Engineering Technology, graduating students organized a special event to celebrate their impending graduation. During the event, they presented their graduation notebooks, which symbolize their journey through university life. These notebooks served as a space for colleagues and friends to write congratulatory messages, heartfelt wishes, and encouraging words, adding a personal touch and unique memories to the occasion.

During the event, Dr. Alzubaidi delivered a speech to the graduating students, commending their efforts and dedication throughout their years of study. The text of his speech is as follows:

"In the Name of Allah, the Most Gracious, the Most Merciful

My dear graduating sons and daughters,

Peace and blessings be upon you.

I am delighted to meet you today on this occasion, which carries many beautiful meanings. Together, we prepare to bid farewell to a chapter of our academic and practical lives—a chapter we spent here at the Hijjawi Faculty for Engineering Technology. These moments represent memories that will remain etched in our hearts. The graduation notebooks you hold today are not merely pages but vessels that carry your stories, dreams, and the most wonderful moments we have shared together.

Dears,

Remember the words of Allah Almighty: "And do good as Allah has done good to you." Do not forget the blessings Allah has bestowed upon you by enabling you to complete your studies successfully. Keep the fear of Allah before your eyes, and adopt kindness as a principle in your lives—whether in your work or in your relationships with others. Be role models in your dedication and sincerity.

You now stand on the threshold of a promising future, ready to embark on fields of work and innovation, becoming ambassadors of this faculty and of Yarmouk University, of which we are all proud to be a part.

At this moment, I encourage you to make the most of these notebooks by inscribing them with words that reflect the sincerity of your feelings. Let them bear witness to the relationships you have built here and to the support you have given one another.

I wish you all a bright future filled with success and distinction. Always remember that the Hijjawi Faculty will remain your home, proud of your achievements and welcoming you back at any time.

May Allah bless you and guide your steps.

Peace and blessings be upon you."





## Hijjawi Faculty Holds Regular Meeting with Students



Professor Mohammad Alzubaidi, Dean of the Hijjawi Faculty for Engineering Technology, held an open meeting with the students of the faculty on Monday, November 25, 2024, as part of the regular meetings organized by the college administration. The meeting was attended by the heads of academic departments and administrative staff.

The primary objective of the meeting was to strengthen direct communication channels between the students and the college administration. Professor Alzubaidi addressed key issues of concern to students, including academic challenges, improvements in the educational environment, and the development of the college's infrastructure to meet students' needs. During the meeting, students shared their suggestions and questions related to their academic journey. The discussions revolved around topics such as improving laboratories and infrastructure to create a stimulating educational environment, as well as enhancing student affairs and providing greater support for extracurricular activities.

The heads of academic departments reaffirmed their commitment to developing academic programs and listening to students' feedback to achieve academic excellence.

In conclusion, Professor Alzubaidi thanked the students for their active participation and emphasized the importance of such meetings in fostering a partnership between the college and its students. He assured the attendees that the college is committed to addressing their aspirations and creating a bright future for engineering education.

These regular meetings are part of the faculty's vision to strengthen positive interaction between students and the college administration, aiming for administrative and academic excellence.



## Regular Meeting with Student Representatives of Hijjawi Faculty



At the invitation of the Dean of Hijjawi Faculty for Engineering Technology, Dr. Mohammad Alzubaidi, a meeting was held with student representatives from various departments to discuss issues and needs of the students. The meeting was attended by the vice deans and the assistant dean, focusing on the challenges students face in their educational journey and ways to improve the academic environment to support them in achieving their goals.

The meeting covered a range of issues related to the college's facilities, such as improving the quality of services and equipment available to students. Additionally, several academic topics were discussed to enhance the educational process, including upgrading teaching methods and adjusting the class schedule to better suit student needs.

Dr. Alzubaidi emphasized the importance of continuing to hold such meetings regularly to foster effective communication between the college administration and the students. He highlighted that these meetings help build bridges of understanding and cooperation, enabling both parties to accurately identify needs and develop practical plans that meet students' aspirations. Dr. Alzubaidi also expressed the college's commitment to providing the necessary support to students and working to overcome any obstacles they may face in their academic journey.

## Hijjawi Faculty Welcomes New Students for the 2024 / 2025 Academic Year



Hijjawi Faculty for Engineering Technology hosted a welcome event on Wednesday, October 16, 2024, for the newly admitted students of the 2024 / 2025 academic year. The event was attended by the Dean of the Faculty, Dr. Mohammad Alzubaidi, faculty members, and the new students.

In his address to the students, Dr. Alzubaidi emphasized the significance of the university experience in shaping a generation of creative and distinguished engineers capable of contributing to societal development. He praised the faculty's role in providing an educational environment that combines knowledge and practical expertise.

The event included several activities, such as an introduction to the available academic programs and the faculty members, as well as a speech by the Student Union representative highlighting the activities and student services offered by the faculty to enrich the university experience. The faculty also presented an overview of the academic advising system and the importance of the study plan.

One of the highlights was an inspiring speech by Eng. Ammar Al-Mashreqi, a distinguished alumnus of the faculty, who shared his professional journey with the new students. Additionally, representatives from the Accreditation and Quality Assurance Center and the Language Center provided insights into the academic services available to students.

## Hijjawi Faculty Student Represents Yarmouk University at the Third Mediterranean Student Summit



Yarmouk University President, Dr. Islam Massad, met with Maryam Harb from the Faculty of Arts and Mohammad Karasneh from the Hijjawi Faculty for Engineering Technology, who participated in the Third Mediterranean Student Summit hosted by the University of Palermo, Italy. The event was organized by the Union of Mediterranean Universities and the Erasmus Student Network.

The summit, held annually, brings together university students to discuss shared challenges and foster collaboration, aiming to enhance awareness, understanding, and cooperation among students from the Mediterranean region while helping them develop essential skills.

During the summit, Maryam Harb and Mohammad Karasneh delivered two significant presentations. One focused on Jordanian culture, highlighting the Kingdom's archaeological sites and its higher education system. The other showcased the student initiatives and activities at Yarmouk University.



## Hijjawi Students Participate in the Jordanian Conference for Young Professionals to Enhance Their Technical Skills



A group of students from Hijjawi Faculty for Engineering Technology at Yarmouk University participated in the Jordanian Conference for Students and Young Professionals (JSYP), held on Saturday, October 12, 2024, in Amman. This annual conference brings together students and professionals from various universities and Jordanian companies, aiming to empower youth through diverse workshops in different technical fields, expanding their professional horizons and guiding them towards various career paths.

Ali Jawahreh, President of IEEE Yarmouk University Student Branch, expressed his pride in the university students' participation in this event. He highlighted that this participation reflects the prominent presence of Yarmouk University students in scientific and professional gatherings, demonstrating their commitment to acquiring the skills and experiences that enhance their career opportunities.

Dr. Zaid Al-Bataineh, the branch advisor, emphasized the importance of student participation in such activities, noting the significant role they play in directly engaging students with the requirements of the job market and enhancing their practical skills.

Additionally, Dr. Mohammad Alzubaidi, Dean of Hijjawi Faculty for Engineering Technology, affirmed the college's dedication to supporting the excellence of its students in all fields. He added that Hijjawi College's reputation remains strong due to its ongoing involvement in events that broaden students' perspectives and increase their academic and professional awareness.

This participation reflects Hijjawi Faculty's commitment to providing an educational environment that supports the professional development of its students, enhancing their competitiveness in the job market and contributing to a promising future for them.

## Department of Architecture Hosts "Beyond the Horizon" Event



Under the patronage of the Dean of Hijjawi Faculty for Engineering Technology, Professor Dr. Mohammad Alzubaidi, the Arch Aid+ team from the Department of Architecture at Hijjawi Faculty organized an event and panel discussion titled "Beyond the Horizon." The event brought together new students from the department, faculty members, engineers, distinguished alumni in the job market, and current students with unique experiences. The event also served as the official launch of the passionate Arch Aid+ team.

The session featured discussions on the challenges and opportunities students face during their academic journey and how they can enhance their academic and professional skills. Alumni shared their practical experiences in the job market, offering valuable advice to new students on preparing for market demands and advancing in the field of architecture.

At the end of the event, participants expressed their aspirations for greater collaboration among students and team members to foster teamwork and develop engineering skills.



## Two Teams from Hijjawi Faculty Qualify for IEEE Duino Global Competition Finals



Two teams from Hijjawi Faculty for Engineering Technology have advanced to the finals of the IEEE Duino Global Competition, held in Region 8, which includes Europe, Asia, and Africa. This prestigious competition focuses on programming Arduino devices, a leading type of microcontroller technology.

The competition saw participation from over 60 teams across Region 8, with only 15 teams qualifying for the finals, including three teams from Jordan. Yarmouk University claimed the largest share with two qualifying teams.

The first team, named SKB, consisted of: Mohammad Karasneh (Computer Engineering), Raneem Al-Badr (Computer Engineering), and Yazid Al-Sobh (Computer Engineering). The second team, named MediDuino, included: Qusai Mashreqi (Computer Engineering), and Farah Al-Zubaidi (Biomedical Engineering).

Dr. Mohammad Alzubaidi, Dean of the Hijjawi Faculty for Engineering Technology, emphasized that the success of the student teams in such competitions aligns with the university's vision to encourage student participation in international events. He highlighted that these achievements reflect the students' excellence and expressed his pride in their accomplishments, wishing them success in the prestigious competition.

Dr. Zaid Al-Bataineh, Vice Dean of the Hijjawi Faculty and Advisor to the IEEE Student Branch at Yarmouk University, attributed the students' success to the continuous support and dedicated efforts over many years.

Ali Jawahreh, Chair of the IEEE Student Branch at Yarmouk University, noted the branch's significant progress in recent years, establishing itself as a standout branch within Region 8.

## Industrial Engineering Students Conduct a Scientific Visit to Sukhtain Group Factory



The Department of Industrial Engineering at Hijjawi Faculty for Engineering Technology recently organized an educational field trip to the "Households and Toiletries Manufacturing Co. (Sukhtain Group)" factory, located in Al-Hassan Industrial City, Irbid. This trip, supervised by Dr. Sinan Obeidat and Dr. Ahmed Al-Momani, included 40 enthusiastic students eager to bridge the gap between theoretical knowledge and practical application.

The visit aimed to enrich the students' academic learning by providing them with real-world exposure to industrial operations and manufacturing processes. During the tour, students had the opportunity to observe various stages of production, explore modern machinery and techniques, and understand the intricate workflows involved in manufacturing household and toiletry products.

This hands-on experience allowed students to relate classroom concepts to practical applications, helping them grasp how theories are implemented in an actual industrial setting. The visit also fostered critical thinking and problem-solving skills as students witnessed the challenges and solutions encountered in day-to-day manufacturing operations.

Such educational trips play a pivotal role in preparing students for the demands of the engineering profession. By observing and engaging with professionals in the field, students gain valuable insights into industry practices, enhance their technical competencies, and broaden their perspectives on future career opportunities.

The Industrial Engineering Department continues to emphasize the importance of experiential learning through field visits, collaborations with industry leaders, and exposure to real-world challenges, ensuring that students are well-prepared for successful engineering careers.

### Tesla Team Organizes Blood Donation Campaign

Under the patronage of the Dean of the Hijjawi Faculty for Engineering Technology, Professor Dr. Mohammad Alzubaidi, the faculty organized a blood donation campaign led by the "Tesla" Electrical Engineering Team in collaboration with the Northern Region Blood Bank.

The campaign was held on Sunday, November 3, 2024, from 8:30 AM to 2:00 PM in Wisam Bishnaq Hall at the Hijjawi Faculty. The event witnessed a large turnout of students and faculty members, resulting in the collection of over 100 blood units.

This initiative reflects the spirit of cooperation and solidarity within the university community and supports the noble humanitarian effort of saving lives.



### Python Workshop Organized by Diode Team

The Diode Team organized a workshop on the Python programming language, led by Engineer Mohammad Zubeidi. The workshop provided an introduction to Python, covering its applications, practical uses, and clarifying common misconceptions about the language.

The workshop saw enthusiastic participation, with attendees eager to learn the basics of Python and its extensive application areas. The session concluded with thanks to all participants, along with a promise for more upcoming courses and workshops aimed at enhancing students' skills in programming and technology.



## The Industrial Engineering Department Organizes a Welcoming Session for the Freshman Industrial Engineering Students



Under the patronage of the dean of the Hijjawi Faculty for Engineering Technology, Prof. Mohammad Alzubaidi, and the supervision of the Head of the Department of Industrial Engineering, Prof. Ammar Al-Rousan, the Industrial Engineering (IE) students' representative Mohammad Nour Smadi and his team (ANDON) organized a welcoming session and a reception for the IE class of 2024, where students were given an introductory lecture on industrial engineering, its fields of specialization and career opportunities, available labs and infrastructure, the department ABET accreditation among others.

Dr. Dania Bani Hani, the Vice Dean of Hijjawi Faculty for Engineering Technology, provided information about the career development courses and their requirements along with the industry certificate courses and their methods of implementation and their impact and importance with respect to the students. In addition, Dr. Bani Hani indicated the importance of the courses at which they are involved to equip the students with the required market skills.

Prof. Al Rousan and Dr. Bani Hani also provided insights into the department and the college vision with respect to the IE department. Students were given a chance to ask questions during the Q&A session and expressed their gratitude for the event. The event concluded by wishing the students success and prosperity in their future endeavors and in their academic journey.

## A Ceremony Honoring the Space and Electronic Systems Community



Under the Patronage of the Dean of Hijjawi Faculty for Engineering Technology at Yarmouk University, Prof. Mohammad Alzubaidi, Hijjawi Faculty held an honorary ceremony for the Space and Electronic Systems Community (AESS YU) in recognition of their efforts and achievements over the past year. During the event, the best team members of the year were announced.

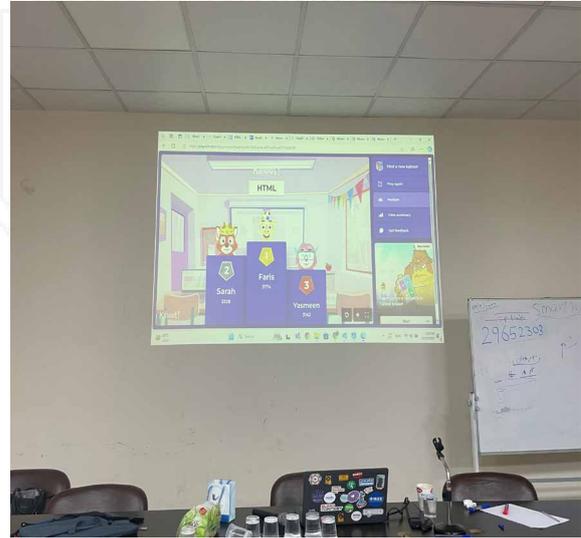
The Space and Electronic Systems Community is the newest community at Yarmouk University, established in 2022. Since 2023, Hassan Abu Sarris from the Department of Computer Engineering has served as the community president, supported by his vice president, Rasha Qara'a, and a dedicated team of volunteers.

The community has organized a series of unique events, the first of their kind at Yarmouk University, aimed at promoting concepts of space and astronomy linked to engineering science.

Prof. Alzubaidi expressed his gratitude and appreciation to the community, highlighting the importance of their role in fostering a culture of space and electronic systems at the university and supporting students interested in these modern scientific fields.

The team also expressed their gratitude to Dr. Ola Taani, the community advisor, who has been a vital supporter, providing academic guidance and careful supervision that contributed to the success of the community's scientific initiatives.

## Hijjawi Students Conduct Web Design Workshop at the the Jordan Engineers Association



Raneem Al-Badr and Sarah Al-Badr, students from the Hijjawi Faculty for Engineering Technology at Yarmouk University, conducted a training workshop titled "Web Design Using HTML and CSS" at the Irbid branch of the Jordan Engineers Association on Wednesday, October 23, 2024. The workshop was organized by the Young Engineers and Sports Committee.

The session was attended by young engineers and engineering students and included an introduction to the fundamentals of websites, their types, software, and templates. The workshop aimed to enhance participants' skills and open new career opportunities aligned with market demands and the knowledge requirements of engineers.

At the conclusion of the workshop, Engineer Ibrahim Khasawneh, a member of the Irbid Branch Council, expressed his gratitude to the trainers and presented certificates of appreciation to the participants.



## Hijjawi Students Conduct Python Workshop at the the Jordan Engineers Association



As part of the efforts to enhance the skills of students from Hijjawi Faculty for Engineering Technology at Yarmouk University, the Robotics Team (Robtox), represented by Eng. Sara Al-Badr, Eng. Majd Al-Badoor, and Eng. Sadeen Abu Khadra, delivered a training course titled "Introduction to Python Programming". The course was organized by the Youth and Sports Committee of the Jordan Engineers Association - Irbid Branch.

The team provided an in-depth introduction to the Python programming language, covering its applications across various fields and highlighting its importance in developing computational thinking and opening new opportunities for young engineers. The course focused on equipping participants, including recent engineering graduates and students, with essential programming skills to solve problems using Python.



## Outstanding Participation by AESS YU in the 12th Pocket Gamers Summit at the Dead Sea



Hassan Abu Sarris, President of the Aerospace and Electronic Systems Society (AESS YU) at Yarmouk University, along with his distinguished team, participated in the 12th Pocket Gamers Summit held at the Dead Sea.

This summit is one of the most significant events in the electronic gaming industry in the region, bringing together game developers, investors, and industry enthusiasts to discuss the latest trends and challenges in the field.

The event was held under the patronage of His Majesty King Abdullah II, represented by the Minister of Digital Economy and Entrepreneurship, His Excellency Engineer Sami Smeirat.



## CEIBA Volunteer Team Celebrates Two-Year Anniversary at Hijjawi Faculty



On behalf of the Dean of Hijjawi Faculty for Engineering Technology, Dr. Mohammad Alzubaidi, Vice Dean Dr. Zaid Al-Bataineh presided over the CEIBA Volunteer Team's two-year anniversary celebration on Sunday, November 10, 2024. The event, held at Yarmouk University, was attended by faculty members, students, and other guests.

The celebration featured a variety of activities, starting with an introductory video showcasing the team's journey since its inception. The video highlighted CEIBA's achievements in supporting and developing the practical and scientific skills of Hijjawi students, including inspirational excerpts from a speech by His Majesty King Abdullah II, which motivated team members to continue serving their community and nation with dedication.

The event also included a recognition ceremony for outstanding team members, honoring their contributions to the team's success over the past two years. Attendees expressed their pride in CEIBA's accomplishments, praising the team's spirit of volunteerism and collaboration, which has fostered a supportive and positive environment for students.

In his speech, Dr. Zaid Al-Bataineh commended the team's efforts and achievements, reaffirming the faculty's continued support for such student initiatives that aim to enhance students' skills and practical capabilities. He thanked everyone who contributed to the team's success and emphasized the importance of extracurricular activities in fostering teamwork and preparing students for the future.

In closing, the CEIBA team expressed their gratitude to all supporters and members who have played a role in their journey. They reaffirmed their commitment to achieving even greater accomplishments in the coming years to serve Yarmouk University's community and their country.

## Architectural Engineering Department Hosts Student Art Exhibition



Under the patronage of the Dean of the Hijjawi Faculty for Engineering Technology, Dr. Mohammad Alzubaidi, the Architectural Engineering Department organized a student art exhibition showcasing a wide range of artistic expressions, including painting, ceramics, music, and various individual and visual arts talents. The participation of department alumni added a unique dimension to the event, highlighting the blend of creativity and innovation among the young talents.

Dr. Alzubaidi emphasized that the exhibition reflects the students' passion for art and creative collaboration. It serves as a unique platform to display their artistic works, merging art and engineering, thereby enriching the cultural and aesthetic dimensions within a comprehensive educational environment.

Dr. Bara'a Al-Khattatbeh, Head of the Architectural Engineering Department, expressed pride in the students' efforts and creativity. She noted that the exhibition aligns with the department's vision of nurturing artistic talents and encouraging students to showcase their best work, fostering a learning environment that combines beauty, creativity, and innovation.

The exhibition received significant commitment from attendees, who praised the high artistic quality of the displayed works and the innovative spirit demonstrated by the students. The event successfully reinforced the values of creativity, teamwork, and the integral role of art as a core element in the educational journey at the Hijjawi Faculty for Engineering Technology.



## Launching Ceremony of the Steel Student Team at Hijjawi Faculty



Under the patronage of the Dean of Hijjawi Faculty for Engineering Technology at Yarmouk University, and on his behalf, Professor Zaid Bataineh, Vice Dean, attended the launching ceremony of a new student volunteer team, aimed at supporting students academically and helping them achieve academic excellence.

In his speech during the ceremony, Professor Bataineh praised the students' volunteer efforts and emphasized the importance of such initiatives in creating a supportive and inspiring educational environment that fosters teamwork and collaboration among students and faculty members.

Dr. Mohammad Tamimi, the academic supervisor of the team, expressed his pride in the achievements of the team so far, highlighting that this initiative reflects Yarmouk University's vision of empowering students with leadership and creativity skills. He also stressed the importance of providing students with the necessary resources and knowledge to achieve their academic and professional goals and encouraged everyone to take advantage of the opportunities offered by the team.

Coinciding with the team's launch, the unveiling of their official website ([team-steel.com](http://team-steel.com)) was announced. The website serves as an innovative platform to provide students with easy access to diverse educational resources and modern academic tools that enhance their success and excellence.

As part of the team's initial activities, the Bridge Competition was inaugurated. This event aimed to develop students' creative thinking, teamwork, and skills in structural engineering. The competition witnessed wide participation and outstanding innovations, with students showcasing creative bridge models, adding a vibrant and engaging atmosphere to the event. At the conclusion of the competition, the winners were recognized and awarded prizes in a ceremony filled with pride and enthusiasm, reflecting the exceptional talent and creativity of the students at Hijjawi Faculty for Engineering Technology.



## Hijjawi Faculty Celebrates the Robotics Team 8th Anniversary with Open Robotics Day



Under the patronage of the Dean of Hijjawi Faculty for Engineering Technology, Dr. Mohammad Alzubaidi, the "Open Robotics Day" event was held to celebrate the 8th anniversary of the Robotics Team, a student initiative dedicated to innovation in robotics, automation, and smart technologies.

In his opening remarks, Dr. Alzubaidi praised the efforts of the students, faculty members, and engineers who contributed to the team's success. He expressed his pride in the Robotics Team, which has set new standards for creativity and excellence over the years. Dr. Alzubaidi highlighted the pivotal role of the team supervisor, Engineer Mohammad Al-Saadi, who played a key role in founding, mentoring, and guiding the team to achieve numerous local and international awards.

Dr. Alzubaidi reaffirmed the faculty's continuous support for such initiatives, emphasizing the importance of promoting scientific research and practical application as essential tools for preparing a generation of innovative engineers capable of advancing their communities.

The event featured a short video presentation showcasing the Robotics Team's milestones and achievements over the years, particularly in overcoming challenges. Additionally, an exhibition was inaugurated, displaying several innovative projects designed and executed by the team members.

The event was attended by faculty members, administrative staff, and interested students, who expressed their admiration for the projects presented. They commended the collaborative spirit of the Robotics Team and their commitment to leveraging advanced technologies to solve practical challenges.



## Hijjawi Faculty Celebrates IEEE Day with Distinguished Event



On behalf of Yarmouk University President, the Vice President for Institutional Development and Global Rankings, Dr. Mwaffaq Otoom, inaugurated the IEEE Day celebration at Yarmouk University. IEEE Day, an annual event organized by the world's largest professional association, the Institute of Electrical and Electronics Engineers (IEEE), brings together over 420,000 members across 160 countries. The institute focuses on advancing educational and technical progress in the fields of electrical and electronics engineering.

In his opening remarks, Dr. Otoom emphasized Yarmouk University's responsibility to foster students' innovative capabilities, enabling them to achieve their creative potential. He highlighted the entrepreneurial spirit promoted among students and encouraged active participation in community development and national progress. He also praised the university's IEEE student branch for its excellence, as evidenced by the numerous awards it has received at both the national and regional levels in Europe, the Middle East, and North Africa. Dr. Otoom expressed pride in Hijjawi Faculty, describing it as a testament to Yarmouk University's success due to its students' exceptional innovation and leadership in engineering and technology.

Dean of Hijjawi Faculty, Dr. Mohammad Alzubaidi, described the event as more than just a gathering, calling it a platform for creativity and innovation. He emphasized its role in enhancing students' technical and social skills, thanking the students, faculty, and administrative staff who contributed to organizing the event.

Academic advisor to the IEEE student branch at Hijjawi Faculty, Dr. Zaid Bataineh, underscored the importance of student activities in shaping students' skills and personalities. He noted that every activity builds bridges toward a prosperous professional future and expressed gratitude to the university and faculty for their unwavering support of the branch's activities. This support has enabled the organization of workshops, conferences, and specialized lectures that have significantly enhanced students' practical knowledge and skills.

Ali Jawahreh, President of the IEEE student branch at Yarmouk University, highlighted the branch's prominence as one of the largest in terms of membership and activities. He proudly noted the branch's participation in global competitions, where its teams have achieved top rankings.

The event also featured an exhibition showcasing the branch's achievements, reflecting its significant contributions to the university and the broader engineering community.



### ACI Hijjawi Students Visited ASSAS For Concrete Products Company

ACI Hijjawi students have visited ASSAS Company, one of the leading companies in the field of manufacturing building materials and concrete. This visit was a great opportunity for the students to learn closely about the latest technologies and practices used in the concrete industry and engineering designs. During the visit, the students toured the company's facilities, learning about how prestressed concrete is manufactured and its various uses in construction projects. The visit was also marked by a presentation by the company's engineers, who explained to the students the various processes, from selecting raw materials to producing ready-mixed concrete and its uses in major projects.



### ACI Hijjawi Students Participated in a Competition at Hashemite University

ACI Hijjawi students have recently won first place in the "Best Decorative Concrete" competition which was organized by the ACI student chapter at Hashemite University, this competition aimed to encourage creativity and innovation in the use of sustainable materials in furniture and lighting design by letting the teams make a decorative concrete table lamp. The team's goal with this design was to deliver a product based on aesthetics sustainability and innovation in using heavy materials such as concrete in home and modern designs. The idea was to embody how a traditional material such as concrete can be transformed into an elegant product that adds a touch of modernity to any place.



### ACI Hijjawi Students Participated in GEOAI360

Within the framework of continuous development in the fields of engineering and surveying, ACI Hijjawi students participated in the activities of the "Fourth Surveyor" organized by the Jordanian Engineers Association, under the patronage of the Engineers Association's Head, Eng. Ahmed Samara Al Zoubi. This prominent event held in Amman witnessed extensive discussions on the integration of modern technology in the fields of surveying and engineering. This participation embodies the ongoing efforts towards developing student's skills and enhancing their understanding of global trends in the fields of engineering and technology. With the integration of surveying and artificial intelligence, it becomes possible to improve the quality of surveys and provide innovative solutions that contribute to enhancing the efficiency of engineering projects in the future.



### ACI Hijjawi Students Participated in Wooden Truss Competition

ACI Hijjawi students have participated in the local "Wooden Trusses" competition, where they designed and built a bridge made of wood, and succeeded in obtaining first place. The team was able to design a bridge with a modern engineering technique to increase durability and reduce weight. During the competition, the bridge was tested by loading it with heavyweights to assess its efficiency. Their bridge won first place after carrying the highest weight compared to its weight.



## Exciting Finale of Biomedical Engineering Department's Sports Event



As part of the activities of the 29th session of the Student Union, the final match for the Biomedical Engineering Department was held on Tuesday. The event was organized by the department representative, Bashar Al-Alawneh, under the auspices of the Deanship of Student Affairs.

The winning team was crowned in the presence of Dr. Saleh Jaradat, Assistant Dean of Student Affairs, Engineer Sami Al-Mashaqbeh, Head of the Biomedical Engineering Department, and Adi Thiyabat, President of the Student Union. The event took place in a vibrant and enthusiastic atmosphere at the gymnasium on Tuesday.

The match was a culmination of weeks of preparation and competition, showcasing the students' athletic skills and team spirit. The gymnasium was filled with cheers and excitement as students and faculty members gathered to support their teams. The event not only highlighted the importance of physical activity and sportsmanship but also fostered a sense of community and camaraderie among the students.

The Deanship of Student Affairs expressed its commitment to continuing to support such events, which play a crucial role in the holistic development of students, balancing academic pursuits with extracurricular activities. The success of this event is a testament to the hard work and dedication of the organizers and participants, promising more such engaging activities in the future.

## Biomedical Engineering Students Participated in the Second Jordanian International Biomedical Engineering Conference



The Jordanian Engineers Association inaugurated the Second Jordanian International Biomedical Engineering Conference on Wednesday, featuring Arab and international experts.

Dr. Raed Al-Shboul, Secretary-General of the Ministry of Health, highlighted the conference as a valuable opportunity for engineers and researchers to exchange expertise and enhance cooperation. He emphasized the role of biomedical engineering in improving healthcare standards and patient health.

Engineer Ahmed Samara Al-Zoubi, President of the Jordanian Engineers Association, discussed the importance of artificial intelligence in the medical field, particularly in diagnostics and medical robotics.

Ali Al-Khawaldeh, head of the Electrical Engineering Division, noted the conference's focus on biomedical engineering as a field where technology meets human needs. The event received over 37 research papers and included workshops led by experts.

The event saw significant participation from students of the Biomedical Systems and Informatics Engineering Department, who actively engaged in discussions and presentations, showcasing their knowledge and contributing to the conference's success. Their involvement underscores the importance of integrating academic learning with real-world applications, preparing them for future challenges in the biomedical engineering field.

## Open Communications Day Highlights Innovation and Excellence in Communication Engineering



The Department of Communication Engineering at the Hijawi Faculty for Engineering Technology hosted the Open Communications Day. The event brought together students, faculty, and professionals to explore the latest trends and opportunities in communication engineering.

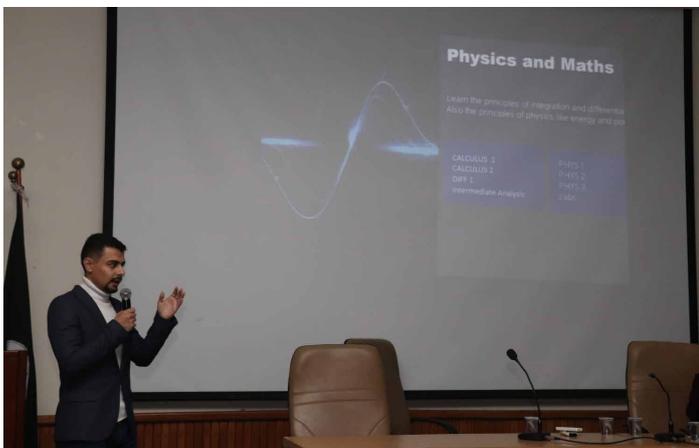
The program included enriching sessions from esteemed faculty members, starting with Dr. Hassan Diyabat, Head of the Department, who provided a comprehensive overview of the Communications Engineering Department. He discussed its academic programs and their alignment with the rapidly evolving demands of the industry.

Dr. Mohammad Rouhi Rawashdeh delivered a motivational talk on the importance of developing diverse skills through workshops, cultural exchanges, and field training, emphasizing their role in preparing students for successful engineering careers.

Dr. Sharif Abdulrazaq wrapped up the academic sessions with a practical workshop on planning and executing graduation projects, equipping students with the tools needed to turn their innovative ideas into reality.

In addition to faculty presentations, students contributed significantly to the event with insightful sessions. These included a detailed overview of the communications engineering study plan, explaining the structure and importance of core and elective courses in shaping engineering expertise. The event also featured a presentation on university email privileges, highlighting essential tools and platforms such as MATLAB, Circuit Maker, Coursera, and Microsoft services that are vital for students' academic and professional success.

At the close of the event, Prof. Mohammad Alzubaidi delivered a speech, commending the department for organizing such a successful event. He emphasized the importance of linking academic endeavors with practical applications to meet the challenges of the modern engineering world. The Dean expressed pride in the efforts of both faculty and students, encouraging them to strive for excellence and innovation in their academic and professional activities.



## Hijjawi Faculty Launches the “Ontha Jaleelah” Initiative



A group of female students from the Hijjawi Faculty for Engineering Technology launched the “Ontha Jaleelah” initiative under the supervision of Dr. Yusra Obeidat, Head of the Electronics Engineering Department. The launch event, held at the faculty, was under the patronage of the Yarmouk University’s Vice President for Institutional Development and Global Rankings, Prof. Mwaffaq Otoom.

Prof. Otoom expressed pride in the students’ excellence and their ability to create impactful initiatives that benefit the university and society.

Faculty Dean Prof. Mohammad Alzubaidi praised the initiative’s focus on empowering women, highlighting their historical and cultural significance as models of strength and perseverance.

Dr. Obeidat emphasized the unique contributions of successful women and commended the students for their dedication. The event showcased a video celebrating Jordanian women’s societal roles and leadership support, followed by speeches from the initiative’s founding members—Noor Al-Dweiri, Salsabil Al-Amayra, and Rania Bataa—who outlined its vision, goals, and planned activities.

Additional speakers, including Eng. Mazen Abu Qamar and Dr. Khaloud Al-Zoubi, stressed the importance of volunteerism and women’s empowerment in building a strong community. The event also featured inspiring success stories of prominent women, including Chef Nadia Al-Saadi, Raghad Sabri, and Eng. Sewar Ayada, and was attended by faculty members, staff, and students.



## Architectural Engineering Students Field Trip: A Practical Initiative by the Department of Architectural Engineering



In a dedicated effort to empower Architectural Engineering students with hands-on experience, the Department of Architectural Engineering at Hijjawi Faculty for Engineering Technology recently organized a field trip as part of the "Building Construction (1)" course. This initiative aimed to bridge the gap between theoretical knowledge and practical application in the construction field.

The field trip was voluntarily led by students from the architectural team "Cluster," a dynamic group committed to advancing educational initiatives within the faculty. Targeting second-year students, the workshop was designed to enhance their understanding of construction methods and foundational principles in a real-world context.

Under the guidance and supervision of Architect Samia Ayoub, the event provided an invaluable opportunity for students to witness firsthand the complexities and nuances of building construction. By engaging directly with on-site processes, students could contextualize their academic learning and gain practical insights into the industry's demands.

This field trip represents a significant step toward equipping architecture students with the skills and confidence needed to excel in the competitive construction industry. By providing a platform for practical learning, the Department of Architecture continues to uphold its commitment to producing competent and industry-ready graduates.



## Electronics Engineering Department Organizes Educational Trip for its Students to Attend Robotics and Arduino Workshop



The Electronics Engineering Department organized an educational trip to Shai AI Company in Amman for its students to participate in a workshop titled "Introduction to Robotics and Arduino." Supervised by Dr. Yusra Obeidat, Head of the Electronics Engineering Department, the workshop was delivered by engineers from MEGAvers and Hubot companies.

Designed for Yarmouk University's electronics engineering students, the workshop focused on the fundamentals of robotics, programming languages commonly used in the field, and the Arduino platform. The interactive sessions allowed students to bridge theory and practice by conducting hands-on experiments and tests, enhancing their practical understanding and skills.



## Architectural Rendering Workshop for Architectural Engineering Students



As part of its mission to enhance the skills of students, the Department of Architectural Engineering at Hijawi Faculty for Engineering Technology organized a hands-on workshop on Architectural rendering. This workshop, led by the voluntary efforts of the "Cluster" team, specifically targeted second-year students and aimed to refine their skills in presenting ideas and enhancing material rendering in their drawings and designs—key competencies for architectural design courses.

Supervised by Dr. Baraa Alkhatatbeh, head of the Architectural Engineering Department, the workshop provided students with valuable insights and practical techniques to elevate their design presentations. The "Cluster" team members shared their expertise and supported students throughout the session, fostering an environment of collaboration and learning. This initiative underscores the department's commitment to nurturing well-rounded architects capable of excelling in both academic and professional settings.



### Computer-Aided Design (CAD) Workshop for Architectural Engineering Students

In an effort to enhance the technical proficiency of Architectural Engineering students, the Department of Architectural Engineering at Hijawi Faculty for Engineering Technology organized a practical workshop for the Computer-Aided Design (CAD) course. The workshop targeted second-year students and focused on improving their skills in using AutoCAD software effectively.

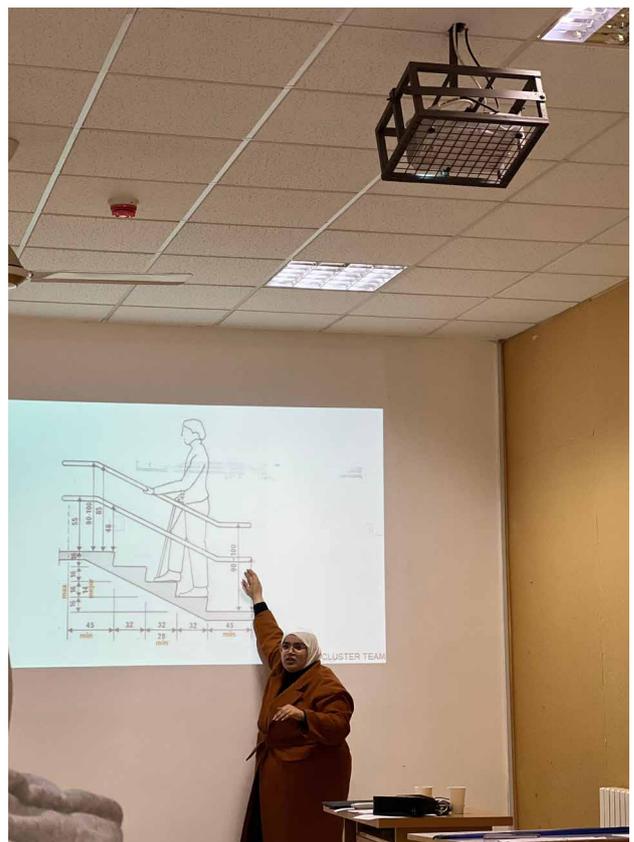
This initiative was voluntarily conducted by "Cluster" team member Abdul Rahman Lababneh, who shared his expertise and experience with the attendees. The session was supervised by Dr. Baraa AlKhatatbeh, the Department Head, ensuring a structured and impactful learning environment.



### Architectural Drawing Workshop for Architectural Engineering Students

The Department of Architectural Engineering organized a hands-on workshop for the "Architectural Drawing (1)" course, aimed at first-year students. The workshop focused on developing students' skills in drawing architectural plans and elevations. It was conducted voluntarily by "Cluster" team members Israa Abed and Noor Al-Radaydeh, who shared their expertise and experience with the participants.

Supervised by Architect Doha Shaqirat, this workshop provided an excellent platform for knowledge transfer and skill enhancement. The collaborative setting fostered communication and mentorship between senior and junior students, creating a supportive learning environment.



## Lecture on Finite Element Modeling Techniques for Civil Engineering Students



The Civil Engineering Department, in collaboration with the Steel Team, organized a scientific lecture titled "Finite Element Modeling Techniques" on Sunday, December 22, 2024. The lecture was delivered by Dr. Faisal Al-Shalabi and Dr. Mohammad Firas Al-Tamimi from the Civil Engineering Department.

The session highlighted the role of engineering simulation software, particularly ABAQUS, in the design and analysis of engineering structures.

The lecture witnessed active engagement from students and faculty members, who showed great interest in the practical examples presented. These examples demonstrated the application of finite element tools in solving complex engineering problems with efficiency and precision.



# Faculty Members News

Vice Dean Dr. Dania Bani Hani is Featured on Roya TV



Dr. Dania Bani Hani, Vice Dean of the Hijjawi Faculty for Engineering Technology, was featured on Roya TV to discuss the experiences of women in the engineering field, focusing on the challenges and opportunities in Jordan.

During the interview, Dr. Bani Hani highlighted the significant contributions of women engineers in advancing the profession, the barriers they face in a traditionally male-dominated field, and the initiatives aimed at empowering female engineers to excel in their careers. The discussion shed light on the evolving role of women in engineering and the steps needed to foster a more inclusive and supportive environment in the industry.



### Honoring Dr. Hiam Al-Quran for Research Excellence

At the Distinguished Researchers' Ceremony organized by Yarmouk University on Wednesday, October 23, 2024, and under the patronage of the Chair of the Board of Trustees, Dr. Rowaida Al-Maaitah, and in the presence of University President Dr. Islam Massad, Dr. Hiam Al-Quran from Hijjawi Faculty for Engineering Technology was honored for her outstanding research contributions in various engineering fields.

Dr. Al-Maaitah highlighted that this recognition reflects the university's pride in its innovative researchers, such as Dr. Al-Quran, who play an active role in elevating the status of Hijjawi Faculty and contribute to scientific advancement.



### Honoring Dr. Zaid Al-Bataineh for Publishing Over 30 Research Articles

During Yarmouk University's Distinguished Researchers' Ceremony held on Wednesday, October 23, 2024, in the Conference Hall, Dr. Zaid Bataineh from Hijjawi Faculty for Engineering Technology was honored in the presence of Chair of the Board of Trustees Dr. Rowaida Al-Maaitah and University President Dr. Islam Massad.

This recognition acknowledges Dr. Bataineh's significant research contributions, with over 30 published papers in the Scopus scientific database from 2019 to 2023, highlighting his commitment to advancing knowledge in engineering technology.



## Dr. Yusra Obeidat Receives the “2024 Region 8 Outstanding Women in Engineering Section Volunteer Award”



Dr. Yusra Obeidat, Head of the Electronics Engineering Department at Hijjawi Faculty for Engineering Technology, Yarmouk University, was awarded 2024 Outstanding Women in Engineering Section Volunteer Award in Region 8, which encompasses Africa, Europe, and the Middle East.

This prestigious recognition was presented by the central IEEE (Institute of Electrical and Electronics Engineers) Region 8 during its annual celebration recently held in Paris, France.

The award criteria focus on impactful and practical contributions made by the volunteer to Women in Engineering Societies in the fields of engineering and technology. These contributions include organizing events, activities, conferences, and workshops aimed at developing female engineers, encouraging their participation in the engineering and technology sectors, providing consultations, and sharing expertise to help them enhance their skills, integrate into the job market, and connect with employers offering suitable opportunities.

Each year, numerous volunteers from Region 8 compete for this award, and securing it amidst such intense competition highlights the exceptional role of Jordanian women engineers in serving society and contributing to global advancements in engineering and technology.

Dr. Yusra Obeidat currently serves as the Chair of the Women in Engineering Affinity Group in Jordan, the Secretary-General of IEEE Jordan, and the Supervisor of the Women in Engineering Affinity Group at Yarmouk University.

### Dr. Mutaz Dwairy Selected as Guest Editor for Biomedical Engineering and Computational Biology Journal

Dr. Mutaz Dwairy, with joint appointments in the Departments of Biomedical Systems and Informatics Engineering and Civil Engineering at Hijjawi Faculty for Engineering Technology, has been selected as a Guest Editor for the journal (Biomedical Engineering and Computational Biology), which holds an Impact Factor (IF) of 2.3. He will oversee the special collection titled "Advances in Computational and Biophysical Modeling in Cancer Research."



### Dr. Ali Shehadeh is Awarded the Golden Prize for "Let Our Schools Flourish" Initiative

Dr. Ali Shehadeh, from the Civil Engineering Department, has been awarded the prestigious Golden Prize for Groups at the Al-Hussein bin Abdullah II Award for Voluntary Service. The winning initiative, (Let Our Schools Flourish), aims to enhance educational environments in our communities, paving the way for brighter futures through impactful volunteerism. This recognition highlights Dr. Ali Shehadeh's outstanding contribution to promoting sustainable and thriving communities. It is a testament to his unwavering dedication to fostering meaningful change through innovation and collaborative efforts.



### Dr. Ali Shehadeh Achieves Certified Quality Assessor Certification

Dr. Ali Shehadeh is proud to announce his latest professional milestone—earning the prestigious Certified Quality Assessor certification. This achievement reflects his dedication to excellence, continuous improvement, and adherence to the highest quality standards in his field. As a certified quality assessor, Dr. Shehadeh brings advanced expertise in process analysis and system evaluation, positioning him to drive impactful improvements and ensure top-tier quality across organizations. Congratulations to Dr. Shehadeh on this significant accomplishment that reinforces his leadership in quality assurance and continuous development!



### Dr. Ali Shehadeh Highlights the Role of Academics in Advancing Volunteerism on Roya TV

In an interview with Roya Channel, Dr. Ali Shehadeh of Yarmouk University emphasized the vital role of academics in advancing voluntary work. He highlighted how academic institutions contribute by developing tools like contingency plans and emergency protocols to enhance volunteer efforts.

Dr. Shehadeh praised the support of Jordan’s leaders—His Majesty the King, Her Majesty the Queen, and His Royal Highness the Crown Prince—for promoting ethical volunteerism.

He expressed confidence in Jordan’s educated youth and strategic planning to elevate volunteer initiatives to a global standard, reflecting his commitment to empowering communities and driving sustainable progress.



### Dr. Mahmoud Masadeh Participated in the 36th International Conference on Microelectronics

Dr. Mahmoud Masadeh from Computer Engineering Department participated in the 36th International Conference on Microelectronics (ICM 2024), held in Doha, Qatar. Dr. Masadeh contributed as a Tutorials Co-chair and a Technical Program Committee (TPC) member, reflecting his involvement in the technical aspects of the conference. Additionally, he presented three papers at the event:

1. Energy-Efficient Approximate Squaring Unit
2. Arithmetic Calculus Modeling for Approximate Circuits
3. Machine Learning-Based Memory Load Value Predictor for Multimedia Applications



### Dr. Ali Shehadeh Elevated to IEEE Senior Member

Dr. Ali Shehadeh is proud to announce his elevation to the prestigious status of IEEE Senior Member, in recognition of his significant contributions to the fields of engineering and technology. This milestone reflects years of dedication, learning, and growth, and it serves as a testament to Dr. Shehadeh's commitment to advancing his profession and supporting the next generation of innovators. Expressing his gratitude, Dr. Shehadeh thanked his colleagues, mentors, and collaborators for their unwavering support throughout his journey. "This recognition inspires me to continue contributing to technological advancements, mentoring emerging talent, and pushing the boundaries of innovation," he remarked. Congratulations to Dr. Shehadeh from the Civil Engineering Department on this well-deserved achievement!



### Dr. Yusra Obeidat Participates in the Training Workshop Organized by Masarat Jordanian Foundation for Development.

At the recommendation of the Women's Studies Center at Yarmouk University, Dr. Yusra Obeidat, head of the Electronics Engineering Department, participated in the training workshop organized by the Masarat Jordanian Foundation for Development and Training in collaboration with the King Abdullah II Fund for Development, held from October 2nd to 3rd. It is a project aimed at training academic women for political party work, and Dr. Obeidat received a TOT certificate upon completing the workshop.



### Dr. Yusra Obeidat Participates in the Second Jordanian International Biomedical Engineering Conference (JIBEC)

Dr. Yusra Obeidat, Head of the Electronics Engineering Department, participated in the second Jordanian International Biomedical Engineering Conference (JIBEC), held in November and organized by the Jordan Engineers Association with sponsorship from IEEE.

Dr. Obeidat served as the moderator for the conference opening and attended several workshops on Biomedical Engineering technologies, as well as presentations of various accepted papers.



### Dr. Ali Shehadeh Joins the International Panel of Sustainability Experts

Dr. Ali Shehadeh is proud to announce his induction into The International Panel of Sustainability Experts under the esteemed Global Ambassadors of Sustainability (GAoS) and the Global Green Chamber of Commerce. This recognition highlights Dr. Shehadeh’s unwavering commitment to Global Sustainable Living and Climate Action, reflecting his dedication to driving impactful changes on a global scale through collaborative efforts and innovative solutions.



### Vice President Prof. Mwaffaq Otoom and Dr. Ali Shehadeh Represent Yarmouk University at the QS Higher Ed Summit: Asia Pacific 2024

Vice President Prof. Mwaffaq Otoom, from the Computer Engineering Department, and Dr. Ali Shehadeh, Director of the Accreditation and Quality Assurance Center, proudly represented Yarmouk University at the prestigious QS Higher Ed Summit: Asia Pacific 2024, held at Macau University of Science and Technology (MUST) in Macau SAR, China, from November 5-7, 2024.

This year’s summit, under the theme “Shifting Landscapes, Collaborative Solutions: Pioneering Innovation in Asia Pacific Higher Education,” celebrated two decades of thought leadership and innovation, marking its 20th anniversary with inspiring keynote speeches and engaging panel discussions.



### Dr. Yusra Obeidat Participates in the 9th IEEE JSYP Congress

Dr. Yusra Obeidat participated in the 9th IEEE JSYP congress held on Oct 12th at Kempinski hotel, Amman and organized by the IEEE Jordan Section. The event was attended by students from Jordanian universities and professionals from different companies and industrial sectors. The congress combined technology and gaming, offering an immersive experience that seamlessly blended the virtual and real worlds. It featured various workshops and discussion panels on topics such as virtual reality, artificial intelligence, and game design.



### Dr. Yusra Obeidat, is an Invited Speaker at the "Tech for Human Sake" Event Organized by the IEEE-Jordan SIGHT Group

Dr. Yusra Obeidat, head of the Electronics Engineering Department, was invited as a speaker at the "Tech for Human Sake" event organized by the IEEE-Jordan SIGHT group. The panel featured a group of prominent Jordanian women in the engineering field, who shared their success stories, the challenges they have faced and continue to face in the job market, and offered advice for women entering the workforce. They discussed strategies women can use to overcome these challenges based on their experiences and emphasized the importance of empowering women in all fields by enhancing their scientific, practical, and communication skills. They also highlighted the need for hiring employees based on qualifications rather than gender.



### Dr. Ali Shehadeh Serves as Judge at QS Reimagine Education Awards and Conference 2024

Dr. Ali Shehadeh served as a judge for the QS Reimagine Education Awards and Conference 2024, hosted by QS Quacquarelli Symonds at the QEII Centre in London. This event celebrated a decade of innovation, honoring educators, institutions, and edtech startups shaping the future of learning. Dr. Shehadeh expressed gratitude for the opportunity to engage with transformative ideas redefining education. Special thanks to QS and the American University of the Middle East (AUM) for organizing this impactful event.



### Dr. Ali Shehadeh Represents Yarmouk University at THE Arab Universities Summit 2024

Dr. Ali Shehadeh had the honor of representing Yarmouk University at the THE Arab Universities Summit 2024 in Dubai, joining esteemed leaders and peers from across the Arab world to discuss innovations and advancements in higher education. During the summit, Dr. Shehadeh proudly highlighted Yarmouk University's remarkable achievement of being ranked 47th in the Arab region, a testament to the university's unwavering dedication to academic excellence, impactful research, and forward-thinking educational strategies. "The summit was an invaluable opportunity to celebrate milestones, exchange insights, and foster collaborations that will shape the future of higher education in the region," Dr. Shehadeh remarked.



### Dr. Awad Al-Zaben Leads Jordanian International Biomedical Engineering Conference

The second Jordanian International Biomedical Engineering Conference was held recently in Amman, organized by the Electrical Engineering Division of the Engineers Association. The event saw extensive participation from Arab and international countries.

Dr. Awad Al-Zaben, head of the conference's Organizing committee, played a pivotal role in orchestrating the event. He emphasized the conference's three main objectives: enhancing the scientific role of the association on international levels, providing a forum for regional researchers to exchange experiences and research, and positioning Jordan as a leading country in biomedical engineering within the region.

Dr. Al-Zaben, a professor at Yarmouk University with a Ph.D. in Biomedical Engineering from Colorado State University, has made significant contributions to biomedical signal processing and medical device innovation, earning numerous awards and recognition in the scientific community. His leadership and vision were instrumental in the success of the conference, which served as an important opportunity for knowledge and experience exchange among researchers and specialists, contributing to enhancing Jordan's scientific standing in this domain.



## Promoted Faculty Members Since October 2024

The Hijjawi Faculty for Engineering Tehnology congatualtes the promoted faculty members since October 2024!

### To Full Professor



**Prof. Amin Abdel Karim Jarrah**  
Computer Engineering

### To Associate Professor



**Dr. Ateka Khader**  
Biomedical Systems Engineering



**Dr. Mus'ab Abuaddous**  
Civil Engineering

# Success Stories

## Hijjawi Students Participate in International Workshop about Sustainability at H-BRS University in Germany



Seven students from the Hijjawi Faculty for Engineering Technology at Yarmouk University, winners of the "WEFE Nexus Hackathon", participated in a workshop held at Bonn-Rhein-Sieg University of Applied Sciences (H-BRS) in Germany.

The student team included Farah Al-Zubaidi, Tala Al-Azzam, Anas Al-Omrar, Loai Al-Tamimi, Samer Al-Tamimi, Mahmoud Al-Salman, and Mohammad Al-Samadi. They were accompanied by Vice President of the University and Project Director Dr. Mwaffaq Otoom, Dean of the Faculty Dr. Mohammad Alzubaidi, and Dr. Amjad Al-Fahoum from the Department of Biomedical Systems and Informatics Engineering.

During the workshop, the students presented innovative projects addressing challenges in water, energy, food, and the environment, incorporating advanced technologies such as smart systems, sustainable food production, and eco-friendly water treatment solutions.

The projects incorporated advanced technologies, such as smart systems for water and energy management, and innovative approaches to improving food production using sustainable methods. Some projects also explored designing innovative devices for water desalination and wastewater treatment using eco-friendly techniques.

The workshop offered students a platform to showcase their ideas before international experts, gaining practical experience and enhancing their ability to tackle global challenges.

Dr. Otoom praised their performance, emphasizing the value of such events in refining skills and fostering innovation. Dr. Alzubaidi highlighted the faculty's commitment to integrating academic and practical learning, preparing students for success in global job markets.

The WEFE Nexus Hackathon, held earlier at Yarmouk University, identified outstanding student projects to represent Jordan in this prestigious international workshop.



## Hijawi Faculty Students Participate in International Training Program in Taiwan



In a step reflecting the commitment of the Hijawi Faculty for Engineering Technology at Yarmouk University to providing its students with top educational and training opportunities, six students have been selected to participate in the International Training Program funded by the National Science and Technology Council (NSTC) in Taiwan. This four-month program is supported by the Hisham Adeb Hijawi Scientific Foundation.

The students, from the Departments of Electronics Engineering, Communications Engineering, and Computer Engineering, are currently undergoing specialized training in prestigious Taiwanese universities. Abdullah Na'amneh from the Department of Electronics Engineering joined the Advanced Mixed Operating System Lab at Tamkang University, specializing in the design of integrated electronic circuits. Sedil Al-Azzam, also from the Electronics Engineering Department, is training at National Yang Ming Chiao Tung University, focusing on artificial intelligence applications in medical electronics.

Additionally, Yara Shalabi, Atab Obeidat, and Razan Al-Lahham from the Computer Engineering Department are working in specialized laboratories at Yuan Ze University, with a focus on smart computing and networking. Meanwhile, Rania Al-Qawasmi from the Communications Engineering Department is training in the Microgrid and Power Conversion Lab at Yuan Ze University, where her work centers on electrical grids and power conversion technologies.

This training program aims to enhance students' research and practical skills, providing them with global expertise in their fields of specialization. It also seeks to foster innovation and creativity while building academic networks with researchers from diverse nationalities.

Dr. Mohammad Alzubaidi, Dean of the Hijjawi Faculty, praised this exceptional opportunity, expressing his pride in the outstanding students representing the faculty in this international program. He emphasized that such initiatives reflect the faculty's dedication to equipping students with the best educational opportunities and opening new horizons for their academic and professional growth.



## Hijawi Students Achieve Outstanding Results in "Ghazathon" Competition to Support Gaza



Students from the Hijawi Faculty for Engineering Technology excelled in the "Ghazathon" competition at Al-Hussein Technical University in Amman, showcasing innovative solutions to Gaza's challenges in health, water management, and housing.

The competition encouraged entrepreneurship and practical applications for pressing issues in Gaza. Projects were judged on innovation, effectiveness, and feasibility, with cash prizes awarded for each category.

In the health category, Team Nahda won first place with their "Aoun System," a smart healthcare solution enabling remote diagnosis via community collaboration and a health database that operates offline. The team included Asala Al-Tamimi, Lubna Kanaan, Mahasen Al-Tamimi, and Anwar Al-Qudah.

In the housing category, Team Engineers secured third place with their "Life Bracelet," a device aiding rescue teams in locating individuals trapped under rubble. The team comprised Habib Jaradat, Hamza Al-Zu'bi, Abdullah Na'amneh, and Mufid Kharbat.

Dean Dr. Mohammad Alzubaidi praised the students for their innovative projects, highlighting the significance of such events in developing practical skills and addressing societal challenges.

## ACI Hijawi Student Team Wins First Place in Wooden Bridge Competition



A student team from the Civil Engineering Department at the Hijawi Faculty for Engineering Technology, Yarmouk University, achieved first place in the Wooden Bridge Competition organized by the Jordan Engineers Association - Aqaba Branch. The competition was held under the patronage of Ramzi Al-Kabariti, Commissioner of Youth and Entrepreneurship at the Aqaba Special Economic Zone Authority, and was supervised by the Young Engineers Committee. Eight Jordanian universities participated, competing to design and construct the most innovative and structurally efficient wooden bridge.

The winning team included students Tala Al-Momani, Ahmed Al-Rabaa, Farah Bani Mustafa, Habib Jaradat, and Amal Halalsheh, under the supervision of Dr. Faris Matlaqah.

Dean of the Hijawi Faculty, Dr. Mohammad Alzubaidi, emphasized the importance of such activities in shaping students' personalities and preparing them for the job market. He highlighted the role of the university in fostering an environment that promotes the development of both academic and practical skills. Dr. Alzubaidi noted that this remarkable achievement reflects the innovative and practical capabilities of the college's students.

Dr. Matlaqah added that this accomplishment demonstrates the academic and professional excellence achieved by the college and its students in various national and international competitions. He pointed out that such competitions provide engineering students with an opportunity to test their practical and creative skills, enhancing their ability to tackle engineering challenges in a competitive setting.

## Hijjawi Students Excel at Entrepreneurship Hackathon 2024 with Innovative Projects



Three students from the Hijjawi Faculty for Engineering Technology contributed to three innovative projects from Yarmouk University's Artificial Intelligence Incubator that triumphed at the 2024 Entrepreneurship Hackathon, organized by the Ministry of Digital Economy and Entrepreneurship. The event celebrated technological innovation and promoted creative solutions to advance Jordan's digital economy and generate job opportunities for youth.

The first project, GaZeal, is developed by Shaker Kassah (Computer Engineering, Hijjawi Faculty) and Mahmoud Khabbour (Faculty of IT). This project addresses unregulated gas delivery challenges, including sudden depletion, cylinder mishandling, and undetected leaks. By integrating advanced gas distribution systems and smart gas technologies, GaZeal ensures safer, more efficient delivery, real-time leak monitoring, and optimized usage.

The second project, SHAMS Cloud Infrastructure, is a collaboration between Shaker Kassah (Computer Engineering, Hijjawi Faculty), Mahmoud Khabbour (Computer Science), Mohammad Al-Rashdan (Information Systems), and Ammar Abu Mohanna (Information Systems). This project tackles Jordan's cloud infrastructure challenges. It introduces solar-powered data centers offering Infrastructure-as-a-Service (IaaS) and Platform-as-a-Service (PaaS) solutions. With renewable energy at its core, SHAMS ensures economical, sustainable, and high-performance services while preserving data sovereignty.

The third project, MBAiYU MedX React, is led by As'har Abu Al-Rub (Information Systems), Mary Al-Rabadi (Biomedical Engineering, Hijjawi Faculty), and Rahaf Rababa'ah (Computer Science). This project leverages deep learning and machine learning to predict drug side effects based on clinical data. Its goal is to enhance patient safety and optimize treatment outcomes, empowering healthcare professionals with data-driven insights.

Dr. Mohammad Alzubaidi, Dean of the Hijjawi Faculty for Engineering Technology, highlighted the significance of these achievements, emphasizing the faculty's commitment to fostering innovation and addressing real-world challenges.

# Happy New Year 2025!

Wishing You a Prosperous and Happy New Year 2025 from the Hijjawi Faculty for Engineering Technology Administration!



**Prof. Mohammad A. Alzubaidi**  
Dean of Faculty



**Prof. Zaid Albataineh**  
Vice Dean and Head of Mechanical Engineering Department



**Dr. Hisham Almasaeid**  
Vice Dean



**Dr. Dania Bani Hani**  
Vice Dean



**Dr. Mohammad Tamimi**  
Dean Assistant



**Prof. Ammar Al-Rousan**  
Head of Industrial Engineering Department



**Dr. Yusra Obeidat**  
Head of Electronics Engineering Department



**Dr. Hasan Aldiabat**  
Head of Communication  
Engineering Department



**Dr. Mahmoud Masadeh**  
Head of Computer Engineering  
Department



**Dr. Lina Alhmoud**  
Head of Electrical Power  
Engineering Department



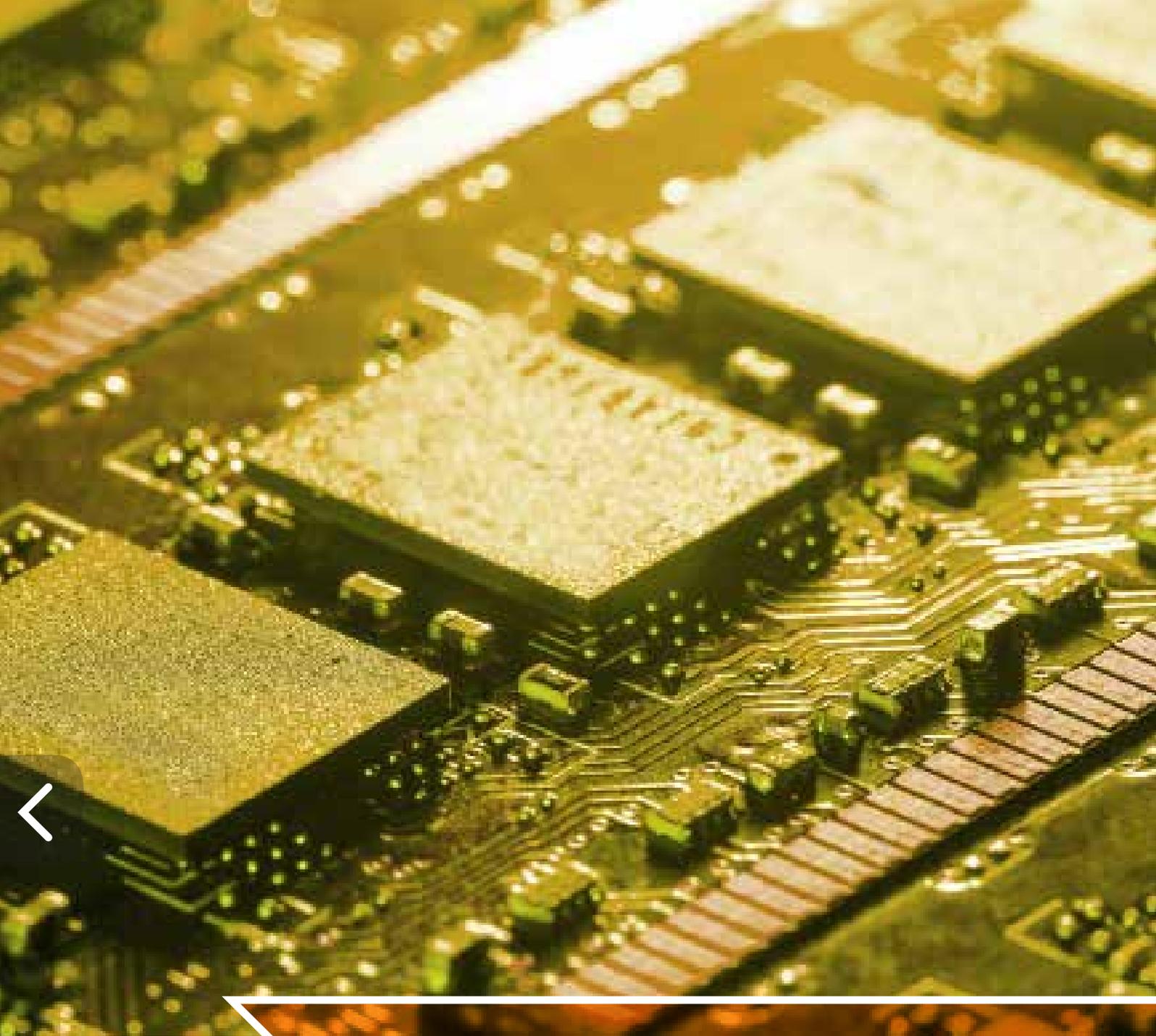
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