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Commission



Hijjawi Faculty Newsletter

Issue 15 July 1st 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
(**12** Bachelors / **6** Masters)



12,000+
Engineering Graduates



125+
Academic Staff



75+
Staff & Engineers

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Dean's Message



Prof. Mohammad A. Alzubaidi, PhD
Dean
Hijjawi Faculty for Engineering Technology

Welcome to the 15th issue of the Hijjawi Faculty for Engineering Technology Newsletter!

This issue highlights a significant chapter in our journey toward academic and professional excellence. We begin with a timely and insightful article by Vice Dean Dr. Dania Bani Hani, titled "Launching Futures: The Role of the Career Development Unit at Hijjawi Faculty for Engineering Technology." The piece offers a forward-looking perspective on how strategic career support empowers our students to confidently navigate and shape their professional paths.

Among our most important recent milestones is the submission of the Self-Study Report for ABET Accreditation for our Architectural Engineering program—an essential step in aligning our academic standards with global best practices. We are

also proud to have successfully aligned all our engineering programs with the Jordanian National Qualifications Framework, and submitted applications for local accreditation, reinforcing our commitment to quality and continuous improvement.

This issue also marks the launch of our newly redesigned faculty website, built to international standards for improved accessibility, usability, and visibility—reflecting our broader strategy for digital transformation and global engagement.

Equally exciting, the Hijjawi Faculty has earned international recognition in the 2025 U.S. News Engineering Rankings, a testament to our growing global footprint and the dedication of our faculty, students, and staff.

As in previous issues, we are pleased to present a new set of distinguished alumni profiles, faculty updates, student activities, and inspiring student success stories. These highlights reflect the vibrant academic and professional community that defines our faculty.

We are also expanding our collaborations with local and international partners to offer more exchange opportunities and hands-on experiences for our students. Together, we continue building an environment that nurtures innovation, leadership, and global competitiveness.

On behalf of the Faculty leadership team, I wish you and your families a Happy and Prosperous New Hijri Year 1447.

Featured Article

Launching Futures – The Role of the Career Development Unit at The Hijjawi Faculty for Engineering Technology



Dr. Dania Bani Hani, PhD
Vice Dean

Hijjawi Faculty for Engineering Technology

Today's competitive marketplace requires the students to acquaint themselves by variant skills set to ensure their competitiveness in the job market. These skills should be adapted to match the student needs and tailored towards the job place requirements. As a result, The career development unit was established to provide the students of the Hijjawi faculty for engineering technology with non-curricular skills that enables them to compete strongly in the labor market and increases their opportunity to obtain internships, job opportunities, to create their own projects and to achieve excellence in their Profession.

A Strategic Hub for Career Empowerment:

Under the leadership of Dr. Dania Bani Hani, the CDU has been a support platform for students at all levels. The CDU has held too many

workshops for the students and has guided them to obtain professional certifications in emerging fields.

The career development unit also handles the career development courses offered at the Hijjawi faculty for engineering technology which covers topics being delivered at all levels for the students' based on their curriculum and includes several relevant topics including: Time Management, Mental Health, Engineering Ethics, Safety in the Workplace, Engineering Project Management, Engineering Design Standards, Leadership and Event/Activity Planning, CV Writing, Interviewing, Equity, Diversity, and Inclusion. In addition, the courses focus on the students being able to present themselves by creating and regularly updating an account on platforms for business and employment such as LinkedIn.

Moreover, the CDU offers lectures by guest speakers from professional and community leaders or representatives of companies from the college graduates among others to benefit from their successes and experience and to provide guidance to the students in their future careers and the professional development.

The CDU Objectives:

1) Introduce and engage the students to non-curricular skills: These skills enable the students to compete strongly in the labor market and increases their opportunity to obtain internships, suitable job opportunities, creating their own projects and achieving excellence in their Profession.

2) Improve the quality of education: The available resources will aid to improve the quality of education provided for the students to improve their learning skills and equip them with the required competencies required in the marketplace.

3) Enhance the students soft and hard skills: Too many soft and hard skills are required by the marketplace at which the career development unit will provide the students with information and lectures tailored to enhance their set of career skills.

4) Create a venue for entrepreneurship and innovation: The career development unit will provide a helping hand for the students with respect to their research projects and any start up ideas at which it will provide guidance on the process itself and provide the available resources for the students.

5) Collaborate with the industry: The unit will facilitate the process of collaborating with the industry and provide partnership opportunities to excel the students' skills in their respective fields of study. Internship opportunities will be further improved as well.

6) Introduce the students to state-of-the-art technology: Students will be engaged with state-of-the-art technology based on the available labs resources to improve their career skill set.

Introducing the Hijjawi Foundation Career Development Center:

A major milestone has been achieved at the CDU by establishing the Hijjawi Foundation Career Development Center which offers career planning services, training and mentoring for the students, creating impactful partnerships with the national and international employers, hosting Alumni events, and analyzing the employment needs to

be reflected on the engineering education.

This center will be of a great value at the CDU as it will ultimately achieve the goals of the CDU and provide a helping hand to early career development for the students at their various study levels.

A Shared Vision for Success:

"We have a great belief in our students' competencies and our mission will be tied with academic excellence. We will focus on the professional development of our engineers to become more confident, skilled, and connected" says Dr. Bani Hani.

The CDU fosters Collaborations with the industry partners via events, internships, and field visits where students are exposed to early career development.

What's Ahead:

The CDU will be hosting career accelerator events in too many hard and soft skills for engineers, expanded collaborations with local and regional companies, career fairs, Alumni events, and connecting students with potential internship opportunities or potential employers.

Get Involved:

Our faculty members, alumni, and employers are greatly welcome and invited to contribute to our mission at the CDU by mentoring, training, delivering workshops, and hosting networking events and internships to enrich the competencies of our students in a continuous improvement supportive environment.

Alumni

■ Eng. Bilal A. Al Roubi



Eng. Bilal A. Al Roubi (Class of 2003), a graduate of the Communication Engineering program at the Hijjawi Faculty for Engineering Technology, currently serves as a Solutions Manager at Thales. With over 22 years of experience in the telecommunications services sector, Bilal has consistently demonstrated strong leadership and innovation in guiding cross-functional teams across highly competitive programs and markets.

His career spans multiple countries including the UAE, Saudi Arabia, Bahrain, and Jordan, where he has contributed to a broad range

of strategic projects. Bilal's expertise lies at the intersection of business management and emerging technologies such as AI, IoT, mobile communication security, and system integration. During his time at MYCOM, he played a pivotal role in advancing AI-driven telecom solutions, enabling Communication Service Providers (CSPs) to shift from reactive maintenance to predictive network and service management. These initiatives harnessed machine learning and advanced data processing to optimize performance, identify root causes, and enhance service quality.

At Thales, he has contributed significantly to the adoption of IoT connectivity and security solutions, aligning with GSMA standards. His work has empowered multiple industries—including smart metering, automotive, and healthcare—to deploy smart, secure, and connected devices using Thales' globally recognized credentialing technologies.

Bilal also holds numerous prestigious certifications that complement his technical and managerial acumen, including credentials from the Telecom Management Forum (TMF), Security+, and Project Management Professional (PMP), among others.

■ Eng. Mohammad Samir AlOtaibe



Eng. Mohammad S. AlOtaibe (Class of 2007), is the Co-Founder and Chief Operating Officer of Jawaker, a leading online platform for traditional Arab games, serving players across the MENA region and the Arab diaspora. He earned his degree in Computer Engineering from the Hijjawi Faculty for Engineering Technology in 2007.

His journey began from humble roots—starting as a solo customer support agent during his university years, handling player messages and operational tasks before titles or formal teams existed. Over time, his deep involvement and commitment helped shape Jawaker’s evolution, leading him to become one of its co-founders and studio head.

Jawaker started with a small team of 5-6 people and has since grown to over 70 employees, all working in-house across engineering, design, marketing, and operations. This structure has allowed the company to move fast, stay user-

focused, and maintain full control over quality and innovation.

Under Eng. AlOtaibe’s leadership, Jawaker has established itself as a pioneer in digitizing traditional Arab games such as Hand, Tarneeb, Trix, and many others. The platform has since expanded into board games and physics-based games like Pool, broadening its appeal and player base while staying rooted in the cultural fabric of the region.

The company’s class-A technical team competes on a global scale, continuously exploring the latest industry trends and technologies. With the support of a strong internal data team, Jawaker has developed in-house AI models that are already showing a measurable impact on user experience and monetization.

In 2021, Jawaker was acquired by Stillfront Group, a global gaming company with more than 24 studios worldwide. Today, Jawaker proudly stands as the top-performing studio in the entire group—a reflection of its focused strategy, high-quality products, and strong team culture.

At its core, Jawaker is a product of big dreams and bold execution. Eng. AlOtaibe and his team are driven by a clear mission: to continuously grow, innovate, and positively impact the lives of millions of players across the Arab world and beyond.

■ Eng. Mohammad Emad Al-Adwan



Eng. Mohammad E. Al-Adwan (Class of 2011), is a dedicated and innovative leader in the concrete and cement industry, currently serving as Northern Region Manager at Manaseer Ready Mix. With nine years of industry experience, Mohammad has developed deep expertise in concrete technology, materials science, feasibility studies, statistical analysis, and the cement sector.

He previously excelled as Quality Manager for over six years at ARMCCO, where he also led the Research & Development department. In that capacity, he spearheaded pioneering trials using CEM II to produce green concrete—successfully reducing CO₂ emissions and transforming waste into valuable construction materials.

Mohammad earned his B.Sc. in Construction Management from Yarmouk University, graduating with an excellent grade and ranking third in his class. He later earned an M.Sc. from Jordan University of Science & Technology (JUST), also with an excellent grade. He is now pursuing his Ph.D. in green concrete at the University of Malaya, continuing his commitment to sustainable innovation. During both his Master's and Ph.D. studies, Mohammad has authored multiple scientific papers.

Fluent in Arabic and English, Mohammad is passionate about combining technical knowledge with practical experience to convert waste materials into innovative resources for the concrete industry—helping to reduce environmental impact and promote sustainable development.

He remains closely connected to Yarmouk University and often contributes as a guest speaker and mentor in academic-industry collaboration initiatives. His journey reflects the values of excellence, responsibility, and forward-thinking instilled during his time at Hijjawi Faculty.

Mohammad is a proud ambassador of Hijjawi Faculty alumni success stories, bridging academia and industry for a more sustainable future.

■ Eng. Alkhadher Alqiari



Eng. Alkhadher Alqiari (Class of 2017), is an accomplished technology leader and product architect with a strong track record of building scalable, high-impact systems for modern commerce. He is the Co-Founder and Chief Technology Officer of Ommni Inc., a U.S.-based SaaS company focused on automating product data management, pricing intelligence, smart inventory and order management, and end-to-end commerce automation across digital channels.

Alqiari has over eight years of experience designing and delivering cloud-native, multi-tenant platforms, event-driven architecture, and no-code automation. His work has empowered businesses to reduce complexity, accelerate execution, and scale efficiently without increasing engineering overhead.

Throughout his career, Alqiari has been recognized for his versatility, technical depth, and leadership. He was rapidly promoted through engineering and management roles, reaching senior and executive levels in just a few years, a path that typically takes much longer. His ability to deliver results independently, lead teams, and solve complex

technical challenges has consistently earned him recognition.

Before founding Ommni, he served as Head of Technology at Floranow, the leading B2B floral marketplace in the MENA region, where he led major modernization efforts across logistics, pricing, ERP system, and core B2B marketplace infrastructure. He also held key technical leadership roles at Remodeling.com, where he contributed to the development of digital marketing platforms and data-driven customer engagement tools.

Alqiari holds a Master's degree in Computer Science from the United States, graduating with a perfect 4.0 GPA. He earned his Bachelor's in Computer Engineering from Yarmouk University, graduating first in his class. His academic research on high-performance computing earned the Best Paper Award at the IEEE ICICS 2018 conference.

He is an AWS Certified Solutions Architect and Developer, having completed over 35 professional development courses in software architecture, cloud infrastructure, web technologies, and digital marketing. He brings comprehensive technical expertise that spans architecture, frontend and backend development, cloud infrastructure, and modern programming ecosystems and frameworks, enabling the delivery of scalable, enterprise-grade solutions.

Currently, Alqiari is focused on building the future of commerce at Ommni—designing AI-powered infrastructure and automation solutions that enable global retailers to operate with greater intelligence, speed, and scalability.

■ Eng. Montaser Sallam



Eng. Montaser Sallam (Class of 2017), is a Senior Avionics Design Engineer at ispace in Japan, he is on the design team for Series 3 lunar lander which will be launched to the moon in 2027, he is responsible for the design and testing of the electronic units for the propulsion system and the power system as well as the operations post launch. For Mission 2 RESILIENCE which was launched in January 2025, he served as a spacecraft operations engineer.

Montaser joined the Electronics Engineering Department at Hijjawi Faculty for Engineering Technology in 2012, while he was interested in electronics since he was a child, he had no particular interest in space technology, that quickly changed when he found out about Cubesats during his freshman year, he was then determined to launch the first Jordanian satellite into space. In his freshman year, he started a project called SunewnewSat to work on his goal, his work was quickly noticed by the the Crown Prince Foundation and he was recruited together with other students to form the first Jordanian satellite team, he served as Payload and Ground Station lead for JY1-SAT, the satellite was successfully launched into space in 2018 making it the first ever Jordanian

spacecraft to go to space, Montaser's initial dream was then fulfilled.

In 2017, for his last semester before graduation, he left Jordan and moved to the Netherlands for a 6-months internship, his task was to design a power system for two Dutch satellites, at the end of his internship, he received a job offer at the same company and started working full time as satellite design engineer, he gained a lot of experience in this role and designed electronics for tens of satellites that were successfully launched to space, that prepared him well for his next role.

In 2023, he got head hunted to work on lunar landers, he moved to Japan in 2024 to pursue that dream.

Throughout his studies and his career, he received multiple scholarships:

Elia Nuqul Foundation: Fully funded scholarship to pursue a bachelor's degree in Electronics Engineering.

Royal Jordanian Radio Amateur Society: Scholarship and training to obtain HAM certification, youngest licensed Jordanian radio amateur at the time.

Crown Prince Foundation: Funding and training for the JY1-SAT mission.

Swiss Space Center: Fully funded scholarship to attend the Swiss Space Camp in Lausanne, first person from the Middle East to receive this scholarship.

Borderless Labs: Fully funded scholarships to attend the International Astronautical Congress for 4 years (Washington DC, Dubai, Paris and Baku).

Fully funded scholarship to start Citizen-Scientist Astronaut training at IIAS in the US.

Montaser started his astronaut training in 2023 and became a Citizen-Scientist Astronaut Candidate after completing the introduction course with a full grade, he will continue his training in the upcoming years.

Outside of engineering and shortly after moving to Japan, Montaser started a side career in motorsport. He caught the attention of the Japanese racing legend Keiichi Tsuchiya and currently represents him in Europe and the Middle East. He is also growing as a racer/drifter in Japan.

■ Eng. Murad Ghazzawi



Eng. Murad Ghazzawi (Class of 2020), is a distinguished graduate of the Hijjawi Faculty for Engineering Technology at Yarmouk University, earning his Bachelor's degree in Computer Engineering in 2020. He is a dedicated Cyber Security Consultant with five years of professional experience protecting digital infrastructure and enhancing enterprise security systems.

Murad currently holds dual roles as a Splunk Functional Engineer at Belastingdienst in the Netherlands and as a Security Consultant with Navaio IT Security in Haarlem. His work focuses on integrating powerful SIEM solutions, refining Splunk architecture, and streamlining IT operations across large organizations.

During his university years, Murad served as Chairman of the IEEE Computer Society at Yarmouk University and acted as an IEEEExtreme Ambassador, organizing and promoting programming competitions across Jordan.

Beginning his career as a Cyber Security Analyst, Murad quickly earned recognition for his expertise in threat detection, vulnerability management, and incident response. While working at STS Specialized Technical Services in Amman, he led Splunk deployments from scratch, implemented advanced use cases with Splunk Enterprise Security, and optimized security orchestration using Splunk SOAR.

In addition to his professional roles, Murad holds multiple certifications, including Splunk Enterprise Certified Architect and SOAR Certified Automation Developer. He has also completed advanced courses in forensic investigation, SOAR playbook development, and Splunk cluster administration, demonstrating his deep technical knowledge and commitment to continuous learning.

Fluent in Arabic and English, Murad is also expanding his communication skills in Dutch and Czech. Driven by a passion for proactive cyber defense and data-driven automation, he is shaping the future of intelligent cyber threat mitigation across Europe and beyond.

Faculty News

Self-Study Report Submitted for ABET Accreditation - Architectural Engineering Program



Under the patronage of Prof. Islam Massad, President of Yarmouk University, the self-study report has been officially submitted to the Accreditation Board for Engineering and Technology (ABET) for the Bachelor in Architectural Engineering degree program at Hijjawi Faculty for Engineering Technology.

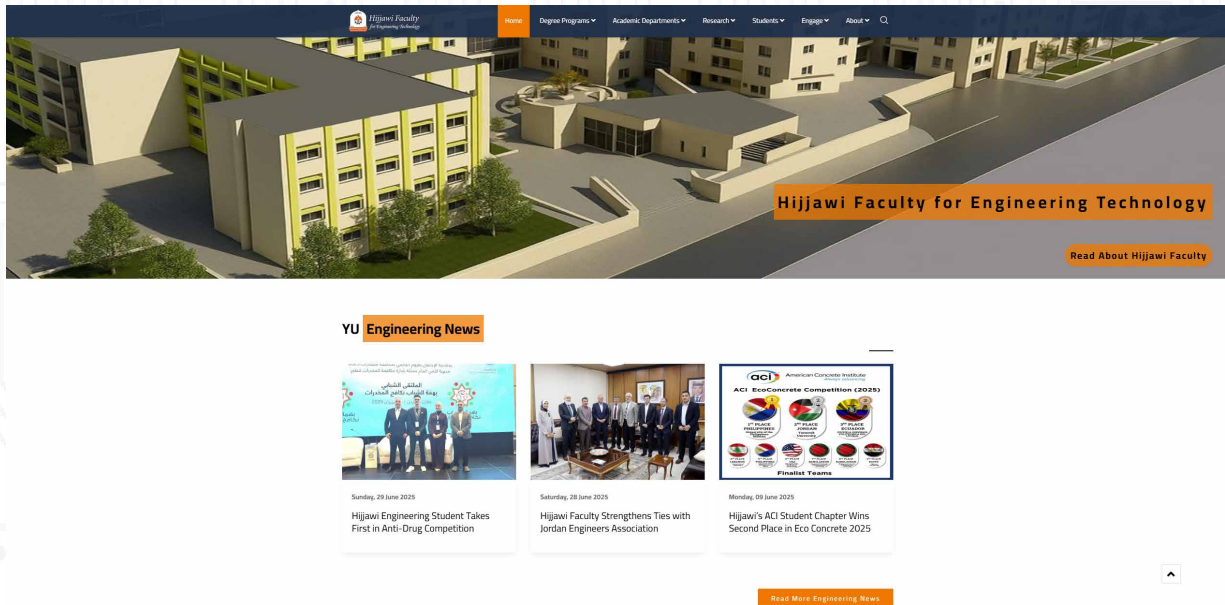
This marks a historic milestone, as it becomes the first Architectural Engineering program in Jordan to apply for international ABET accreditation.

The evaluation visit by the ABET review team is scheduled to take place in mid-November.

We extend our best wishes for the success of this pioneering program, which adds to the legacy of achievements at Hijjawi Faculty – a college that has already earned ABET accreditation for seven engineering programs with zero comments (i.e. clean sheet) from the evaluation team, an unprecedented academic accomplishment that we are all proud of.



Hijjawi Faculty Launches New Website Built to Global Standards



The Hijjawi Faculty for Engineering Technology at Yarmouk University has officially launched its newly redesigned website, developed according to the highest global standards in design, usability, and academic content.

The new platform offers a modern, user-friendly digital experience that reflects the faculty's identity and serves students, faculty members, alumni, and external partners alike. It acts as a comprehensive hub for academic programs, research activities, and student events—demonstrating the Faculty's commitment to innovation, excellence, and engagement with both local and international communities.

University President Dr. Islam Massad praised the Faculty's continuous efforts toward modernization, stating that the website is a practical reflection of the Faculty's vision—a clear, modern digital platform that highlights its academic and research excellence as a leading institution in engineering education.

He added that this launch represents an important step forward in advancing the university's digital presence, showcasing how academic institutions can integrate educational excellence with modern digital communication and engagement.

Speaking on the launch, Dr. Mohammad Alzubaidi, Dean of the Faculty and the lead designer of the website, noted that the site includes detailed pages for all undergraduate and master's programs, with dedicated pages for each academic department. In total, it features 12 bachelor's and 6 master's programs.

These pages provide comprehensive information about curricula, learning outcomes, career opportunities, and promotional materials such as brochures and introductory videos.

Dr. Alzubaidi also highlighted that the site offers a full overview of the Faculty's mission, vision, and leadership, along with a dedicated page honoring former deans who have contributed to the Faculty's growth over the years. It also showcases the local and international accreditations received by the academic programs—affirming the Faculty's commitment to quality and global recognition.

The website further emphasizes the Faculty's strong research focus by featuring sections on research labs, specialized research groups, and a searchable database of faculty researchers.

A special section titled "Engage with Hijjawi Faculty" links visitors to three key areas: student clubs and societies, the Career Development Unit, and the electronic newsletter—reflecting the Faculty's dynamic, skill-building environment beyond the classroom.

As part of the launch, the website now features a dedicated page titled "Meet Hisham A. Hijjawi," honoring the visionary founder of the Faculty. The page highlights his legacy in engineering, education, and national development, and recognizes the continued contributions of Eng. Ayman Hijjawi in supporting students, faculty, and strategic initiatives such as field training and career development.

To explore its features, the new website is available at: <https://engineering.yu.edu.jo>

Want to Become a Hijjawi Student?



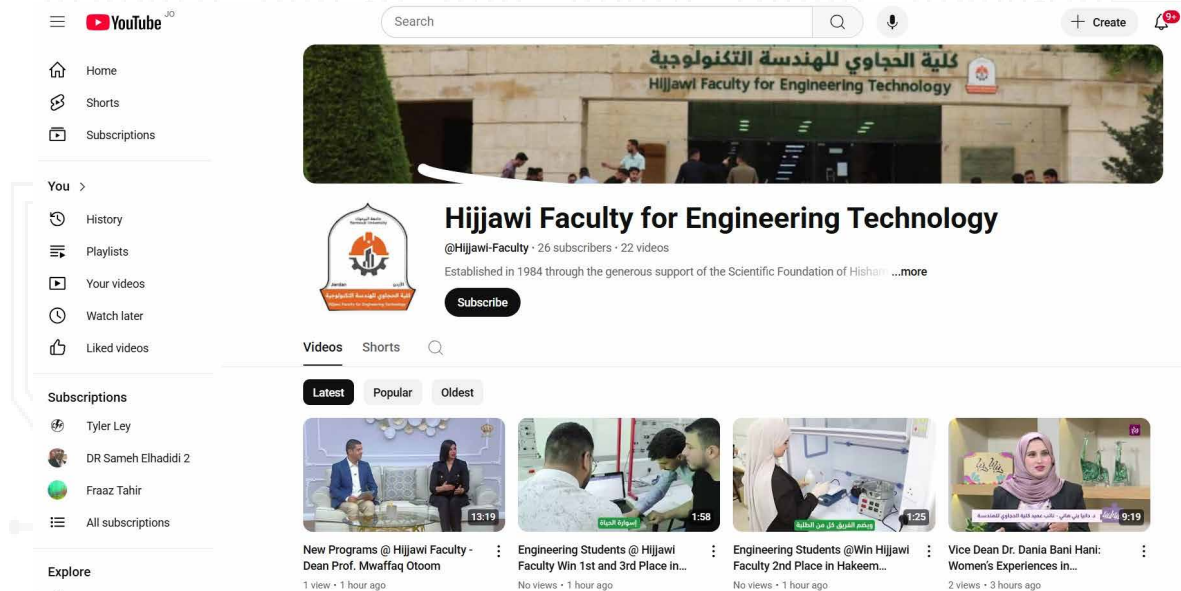
The **Hijjawi Faculty for Engineering Technology** at Yarmouk University is one of the most dynamic and comprehensive engineering faculties in the region, offering **12 undergraduate** and **6 graduate** degree programs across **8 specialized departments**.

We offer the **Hijjawi Edge**: a commitment to **hands-on learning**, **student success**, **faculty excellence**, and an environment that drives **innovation** and **real-world impact**.

Become a Hijjawi student and experience the Hijjawi Edge.

[Explore Our Degrees](#)

Hijjawi Faculty for Engineering Technology Launches Official LinkedIn and YouTube Channels



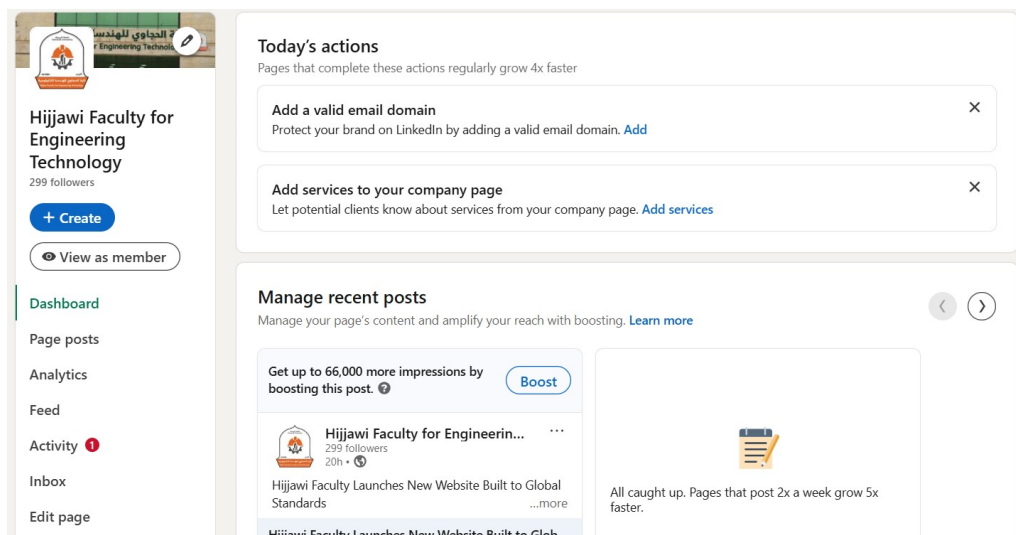
We are excited to announce the official launch of the Hijjawi Faculty for Engineering Technology's presence on LinkedIn and YouTube!

Follow us on LinkedIn: <https://www.linkedin.com/school/hijjawi-faculty>

Subscribe on YouTube: <https://www.youtube.com/@Hijjawi-Faculty>

These platforms will serve as dynamic spaces to showcase the achievements of our faculty, students, and alumni, highlight academic and extracurricular events, and share research, innovations, and opportunities with our broader community.

Whether you're a current student, graduate, academic, or industry partner – we invite you to follow, engage, and be part of the Hijjawi journey toward engineering excellence and innovation.



Hijjawi Faculty Earns Global Recognition in U.S. News Engineering Rankings



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Yarmouk University

P.O. Box 566, Irbid 21163 Jordan | [Website](#)**#1188 in Best Global Universities (tie)**

The Hijjawi Faculty for Engineering Technology proudly contributed to the university's advancement in the 2025 U.S. News Best Global Universities Rankings – reaffirming its role as a national and regional leader in engineering education and research.

In the 2025 edition, Yarmouk University maintained its third-place ranking among Jordanian universities, while climbing 93 positions globally and 23 ranks within Asia – a clear indication of its expanding international research presence and academic excellence.

This year, for the first time, Engineering at Yarmouk University was ranked as a distinct subject area by U.S. News. The U.S. News Best Global Universities Rankings evaluate over 2,500 universities worldwide based on 13 rigorous indicators, including research productivity, global and regional reputation, international collaboration, and highly cited publications.

Commenting on the achievement, Prof. Mohammad Alzubaidi, Dean of the Hijjawi Faculty, said: "This achievement reflects the dedication of our faculty members, researchers, and students. It is a testament to Hijjawi's commitment to producing high-quality research and preparing engineers equipped to contribute to both local and global innovation."

As the university continues its upward trajectory, the Hijjawi Faculty remains at the forefront – driving technological advancement, empowering future engineers, and shaping solutions

Yarmouk University Rankings

🏆 #1188 in Best Global Universities (tie)

🏆 #405 in Best Global Universities in Asia (tie)

🏆 #3 in Best Global Universities in Jordan

Yarmouk University Subject Rankings

🏆 #555 in Computer Science (tie)

🏆 #1086 in Engineering (tie)

Alignment with Jordanian National Qualifications Framework Successfully Completed, and Jordanian Local Accreditation Applications Submitted for All Engineering Programs



هيئة الاعتماد وضمان الجودة
THE ACCREDITATION & QUALITY ASSURANCE COMMISSION

All bachelor's degree programs at the Hijjawi Faculty for Engineering Technology have been successfully aligned with the Jordanian National Qualifications Framework.

Subsequently, the following bachelor's degree programs at the Hijjawi Faculty for Engineering Technology have officially applied for the Jordanian Local Accreditation from the Accreditation and Quality Assurance Commission - Jordan (www.aqac.org.jo):

- Electronics and Robotics Engineering
- Industrial Engineering
- Biomedical Systems Engineering
- Biomedical Informatics Engineering
- Electrical Power Engineering
- Architectural Engineering
- Civil Engineering
- Communication Engineering
- Computer Engineering

This step reflects the Faculty's ongoing commitment to academic excellence and continuous improvement. Obtaining local accreditation ensures that each program meets national standards for curriculum quality, teaching effectiveness, and student outcomes. It also reinforces the Faculty's dedication to preparing highly qualified graduates equipped with the knowledge and skills needed to meet the demands of the local and regional labor markets, while promoting trust and recognition among students, employers, and academic partners.

Independence Through the Eyes of Women in Engineering



In celebration of Jordan's 79th Independence Day, the Women in Engineering (WIE) Affinity Group at the Hijjawi Faculty for Engineering Technology - Yarmouk University branch - organized a national event titled "Independence Through the Eyes of Women in Engineering."

Representing the University President, Professor Mohammad Alzubaidi, Dean of the Hijjawi Faculty, highlighted the significance of aligning this national celebration with the fields of engineering and technology. He emphasized that true independence is reflected not only in history but in our commitment to scientific excellence, innovation, and progress. He praised the Women in Engineering Affinity Group for organizing such an inspiring and meaningful event.

Dr. Yusra Obeidat, Head of the Electronics Engineering Department and faculty advisor to the WIE Affinity Group, emphasized that Independence Day serves as a moment of renewed commitment. She noted that the event's title reflects the vital role Jordanian women play in national development – not as bystanders but as creators, innovators, and achievers shaping the future.

Nagham Alsawalha, student leader of the WIE Affinity Group, expressed her pride in being part of a generation immersed in Jordan's technological advancements. She spoke on behalf of all students striving to excel, contribute, and sustain the nation's progress.

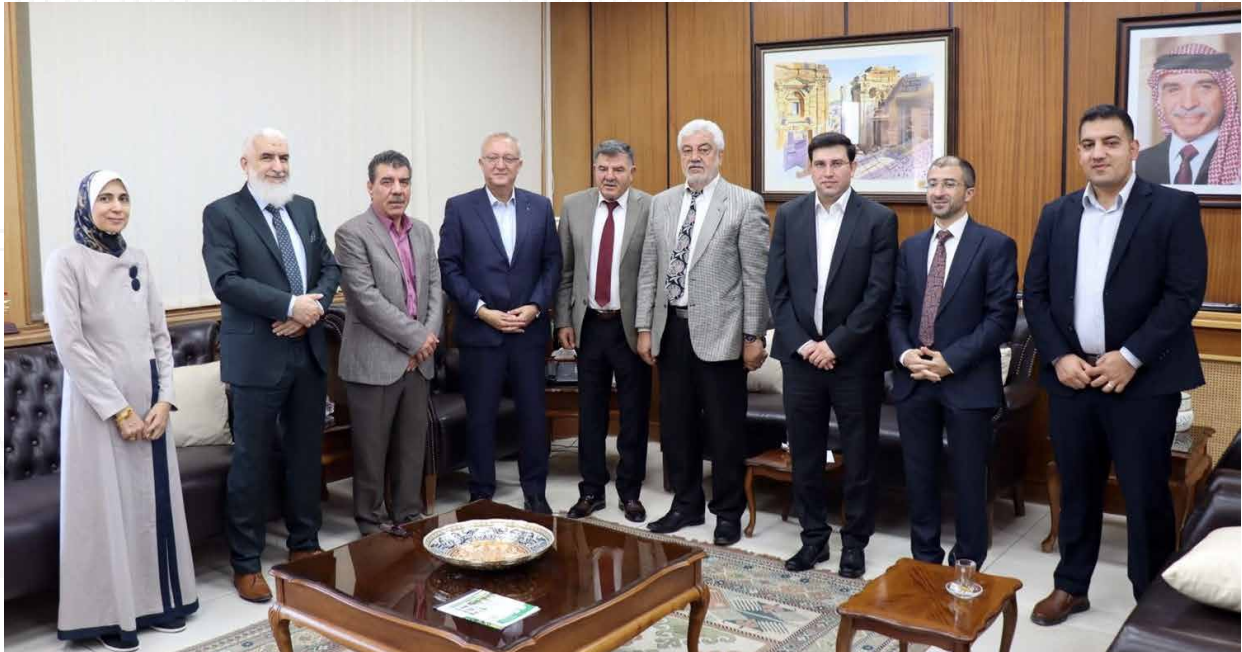
The event featured diverse sessions showcasing Jordan's progress in engineering and technology, including a panel discussion titled "The Role of Women in Engineering in Jordan's Economic Development," with speakers from the Jordan Design and Development Bureau (JODDB), Nexiom, the Ministry of Energy and Mineral Resources, and Golden Electronics. The speakers shared their expertise and emphasized women's growing role in the national economy and the importance of overcoming challenges to strengthen their contributions.

The program also included technical presentations on Jordan's advancements in military equipment design and manufacturing, presented by Eng. Radi Al-Wardat (JODDB), and on cybersecurity development, presented by Mohammad Al-Jarrah from the Public Security Directorate, highlighting Jordan's regional and global achievements in this sector.

Participating companies showcased innovations in military equipment, robotics, drone design, and microchip development, reflecting Jordan's growing presence in advanced technology sectors. The event also featured displays of traditional crafts, embroidery, and local cuisine, celebrating Jordanian cultural heritage.

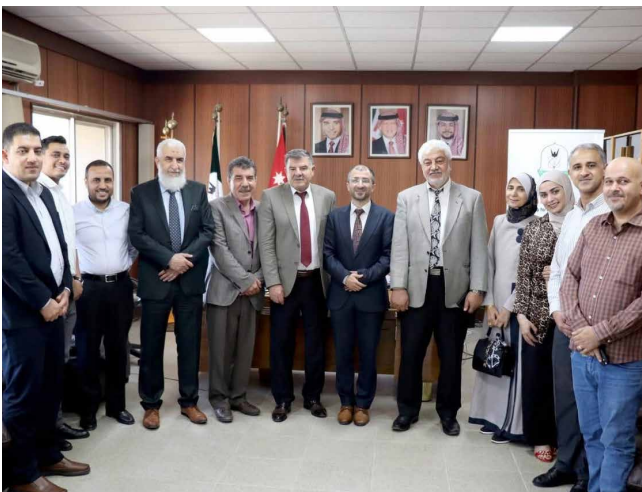


Hijjawi Faculty Strengthens Ties with Jordan Engineers Association



The President of Yarmouk University, Dr. Islam Massad, met with a delegation from the Irbid Branch of the Jordan Engineers Association, headed by Eng. Mahmoud Rababah, to discuss ways to deepen the relationship between the university and the association. The meeting emphasized the importance of collaboration in academic, research, and community service endeavors, and highlighted the need for integrated efforts and programs between the association and the university's engineering faculties.

The delegation also visited the Hijjawi Faculty for Engineering Technology, where they met with the Dean, Dr. Mohammad Alzubaidi, and department heads. The discussions focused on various ideas and plans to strengthen the partnership across different areas, in a way that supports both the academic and practical aspects of engineering education at the Faculty.



Hijjawi Faculty Hosts National Permeable Concrete Competition



On behalf of the President of Yarmouk University, the Vice President for Development and Global Rankings Affairs, Dr. Mwaffaq Otoom, sponsored the Permeable Concrete Competition, organized by the student chapter of the American Concrete Institute (ACI) at the Hijjawi Faculty for Engineering Technology. The event featured the participation of 12 teams from 7 Jordanian universities.

In his remarks, Dr. Otoom—joined by Vice Dean of the Faculty Dr. Zaid Al-Batainah and ACI Middle East and North Africa Regional Director Eng. Ahmad Mahna—emphasized the importance of such events in developing students' practical skills, fostering innovation, and encouraging teamwork. He noted that this competition serves as a key milestone in engineering skill development and strengthens Yarmouk University's position as a national leader in engineering education, innovation, and experiential learning.

Eng. Mahna praised Yarmouk University's efforts in organizing the competition, highlighting the critical role academic institutions play in supporting the civil engineering sector.

Meanwhile, Eng. Salah Abu Obaid, representative of the Jordan Concrete Association, stressed the importance of student activities in building bridges between academia and the job market. Dr. Fares Matalqa, advisor of the ACI student chapter at Yarmouk University, underscored the competition's value in connecting theoretical learning with hands-on application.

The event featured intense competition among participating teams. The final results were as follows. First Place: CEIBA Team / Yarmouk University. Second Place: ACI Balqa Team / Al-Balqa Applied University. Third Place: YESG Team / Yarmouk University. Most Disciplined and Organized Team Award: ACI UJ Team / University of Jordan.

Hijjawi Faculty Organizes "Robotics and Electronics Day"



Under the portnage of Prof. Mwaffaq Otoom, Vice President of Yarmouk University for Development and Global Rankings, the Robotics and Automation Society at the Hijjawi Faculty for Engineering Technology organized the "Robotics and Electronics Day" event.

In his opening remarks, Prof. Otoom praised the tremendous efforts made in organizing the event, expressing pride in the achievements of Hijjawi students. He emphasized the importance of such initiatives in advancing innovation and technology and reaffirmed the university's commitment to supporting both academic and extracurricular activities that empower students to overcome challenges and achieve excellence.

Dr. Yusra Obeidat, Chair of the Department of Electronics Engineering, highlighted the value of these events in enhancing students' skills and connecting them with current scientific developments. She encouraged students to seize opportunities that expand their horizons and keep pace with advancements in their fields.

Dr. Shadi Alboon, the club's faculty advisor, noted that the event shed light on the rapidly evolving field of robotics and automation, which is making a broad impact across industries such as healthcare, manufacturing, agriculture, education, and logistics. He stressed the importance of preparing a generation that engages with these changes as innovators and developers—not just consumers.

Student chapter president Lubna Arshidat welcomed attendees and guests, emphasizing the importance of the event in showcasing one of today's most significant technological fields and inspiring students to take initiative and innovate in robotics and automation.

Engineer Islam Al-Hajj Hasan presented an innovative project aimed at supporting people with disabilities, featuring a device under development by his team to enable visually impaired individuals to “see” using advanced robotics and electronics applications.

Dr. Abeer Hatamleh, from the Irbid branch of the “We Are All Jordan Youth Commission,” gave a talk highlighting how such events play a vital role in building youth technical skills and strengthening their engagement in national development.

The event included a video showcasing the society’s top achievements and highlights from supporting companies and organizations. At the conclusion of the day, certificates of appreciation were distributed to participants and sponsors, followed by the opening of an exhibition featuring sponsoring companies and student projects. The event saw wide attendance from faculty members, administrative staff, and students from across the university.



Hijjawi Faculty Participates in Erasmus+ Forum and Exhibition at the University of Jordan



Dr. Mohammad A. Alzubaidi, Dean of the Hijjawi Faculty for Engineering Technology at Yarmouk University, participated in the Erasmus+ Forum and Exhibition hosted by the University of Jordan.

During the event, Dr. Alzubaidi had the opportunity to present two key Erasmus+ projects coordinated by Yarmouk University:

- BITTCOIN-JO (Boosting Innovation and Teaching in Technical Education in Jordan), and
- RL4Eng (Reinforcing Learning for Engineering Education in Jordan).

These projects aim to enhance higher education and applied research capabilities in Jordan, while fostering innovation and strengthening academic partnerships across Europe and the MENA region.

The forum brought together stakeholders from academic institutions, national agencies, and international organizations, providing a platform for vibrant discussions on educational development and international collaboration.

Dr. Alzubaidi expressed his appreciation for the opportunity to engage with partners across sectors and emphasized the importance of sustained cooperation in advancing educational excellence in Jordan and the region.

Two Faculty Members from Communications Engineering at Hijjawi Faculty Receive Wiley's "Most Cited Paper" Recognition for 2023



The Hijjawi Faculty for Engineering and Technology at Yarmouk University is proud to announce that Dr. Amjad Abubaker and Dr. Hazem Shakhatreh, faculty members in the Department of Communications Engineering, have received an official recognition certificate from Wiley Publishing for authoring one of the most cited research papers in 2023 in the Journal of Sensors.

Their award-winning paper, titled

"Efficient Data Collection in UAV-Assisted Cluster-Based Wireless Sensor Networks for 3D Environment: Optimization Study,"

addresses the optimization of data collection using unmanned aerial vehicles (UAVs) in ground-based wireless sensor networks (WSNs), especially in challenging environments where traditional infrastructure is unavailable—such as mountainous terrains, emergency response scenarios, and natural disasters like earthquakes.

Dr. Abubaker and Dr. Shakhatreh explained that the study introduces a novel method to enhance the lifespan and performance of UAV-assisted cluster-based WSNs operating within three-dimensional virtual environments.

The Journal of Sensors, published by Wiley, focuses on cutting-edge research across all aspects of sensor technology—from theoretical foundations and design, to full-scale application development.

It is worth noting that Wiley is one of the world's leading academic publishing houses, founded in 1807 in the United States, and is widely respected in engineering and scientific communities.

Department of Architectural Engineering Hosts Informative Seminar on Tamayouz Architecture Award



On Sunday, May 11, 2025, the Department of Architectural Engineering at Yarmouk University hosted an introductory seminar on the Tamayouz Architecture Award in Wesam Bushnaq Hall on campus. The seminar was presented by Architect Osaid Al-Eitan, the Tamayouz Award Coordinator for the Middle East and North Africa region.

During the event, Al-Eitan provided a detailed overview of the award's objectives and participation criteria, highlighting two key components: the Graduation Projects Award and the Diwan Award for Architecture, both integral to the Tamayouz initiative.

The seminar was attended by faculty members and architecture students, who actively engaged in an open discussion and Q&A session on fostering architectural innovation and bridging academic projects with professional market demands. Al-Eitan emphasized the importance of these awards in encouraging students to develop creative solutions that address societal needs, noting that participation offers young architects a golden opportunity to gain regional recognition.

The Tamayouz Award is recognized as one of the most prestigious architectural awards in the world, dedicated to nurturing young talent and promoting excellence in architectural design.

Architectural Engineering Department Organizes Graduation Project Discussions



On Wednesday, June 25, the Department of Architecture held a discussion session for students' graduation projects, attended by a number of academics from local universities, as well as architects and engineers from various engineering firms and companies. The session featured presentations of diverse projects addressing architectural solutions to various issues, ranging from the design of comfortable workspaces to centers focused on child care and skill development, in addition to proposed reconstruction projects in the Gaza Strip.

These discussions are a valuable opportunity for students to engage with a range of professional and academic expertise, enhancing the quality of the projects and aligning them with labor market needs. Attendees praised the quality of the presented projects, which reflect the excellence of the department's curriculum and academic staff.



Scientific Lecture at Hijjawi Faculty on Energy Efficiency and Industrial Sustainability



The Department of Industrial Engineering at the Hijjawi Faculty for Engineering Technology - Yarmouk University hosted a scientific lecture on Monday, May 19, 2025, featuring Eng. Maen Al-Ayasrah, Director of the Center for Energy and Environmental Sustainability in Industry - Jordan Chamber of Industry.

The lecture, titled: "Promoting Energy Efficiency and Industrial Sustainability: National Initiatives and Practical Experiences", was organized under the supervision of Dr. Ahmad Al-Momani and Dr. Sinan Obaidat.

During the session, Eng. Al-Ayasrah discussed major national and international initiatives in energy efficiency, challenges facing industrial institutions, and the skills gap between education and labor market needs. He also highlighted the importance of applied learning in bridging this gap.

Al-Ayasrah shared his experiences representing Jordan at renowned international conferences and spoke about founding the Green Factory Award, emphasizing the vital role of youth in driving the shift toward smart and sustainable industry.

The event saw enthusiastic participation from students, who actively engaged in thought-provoking discussions and raised insightful questions that enriched the session's content.

Workshop on “Motor Control Using Microcontrollers” Held at Hijjawi Faculty



As part of its ongoing efforts to enhance students' technical and practical skills, the Hijjawi Faculty for Engineering and Technology at Yarmouk University hosted a specialized training workshop on Wednesday, April 16, 2025, entitled:

“Motor Control Using Microcontrollers,” organized in cooperation with the Crown Prince Foundation - Irbid Office, and attended by a group of engineering students.

The workshop aimed to introduce students to the design and development of advanced control systems using microcontrollers. It offered comprehensive training on analyzing engineering requirements, designing systems, programming, and testing to ensure efficiency and reliability.

Participants explored practical aspects of motor control for various types of electric motors, and learned how to utilize microcontrollers—such as Arduino and PIC—to build intelligent systems suitable for industrial and research applications.

This event is part of a series of technical workshops hosted by the faculty to strengthen the hands-on capabilities of its students, bridging the gap between theoretical knowledge acquired in the classroom and practical implementation through labs and real-world projects.

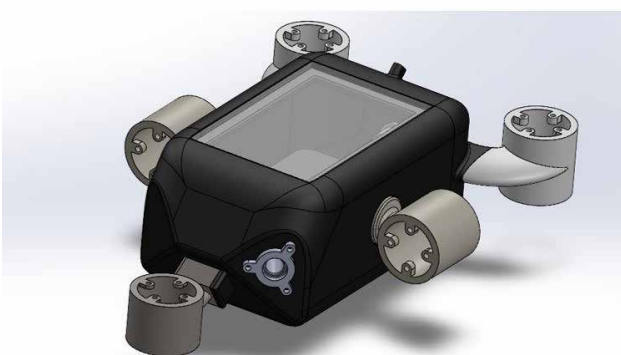
KAFD and JODDB Fund Innovative Underwater Robot for Sea Water Purification



The King Abdullah II Fund for Development (KAFD), in collaboration with the Jordan Design and Development Bureau (JODDB), has funded a project titled "Underwater Robot for Sea Water Purification." The project was submitted by Montaha Issa and Abrar Ghanem from the Electronics Engineering Department, and Anas Alzuobi and Mohammad Alhujeili from the Mechanical Engineering Department, under the supervision of Dr. Mohammad Alzoubi and Dr. Shadi Alboon. The grant totals 4250 JD over a duration of 12 months.

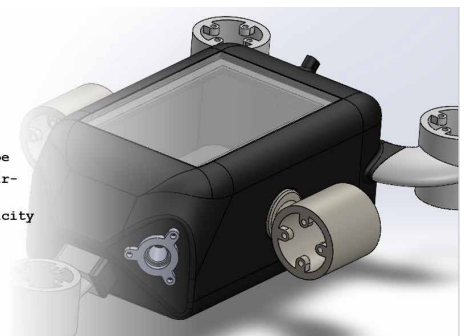
The project aims to develop an advanced underwater robot capable of autonomously purifying seawater. The robot is designed to navigate diverse marine environments, detect pollutants such as plastics and chemicals, and remove or neutralize them through innovative techniques. Powered by cutting-edge artificial intelligence and sensor technologies, the robot represents a sustainable and scalable solution to marine pollution—offering significant potential to help preserve our oceans for future generations.

This project not only offers a practical and efficient response to the global challenge of ocean pollution, but also presents a forward-looking vision of how advanced technologies can be harnessed to protect our planet.



JUDY
(Jordanian
Underwater
Drone by
Yarmouk)

- Streamlined Hydrodynamic Shape
- Modular and Repair-Friendly Design
- Structural Simplicity for Additive Manufacturing
- Sealing and Waterproofing Improvements

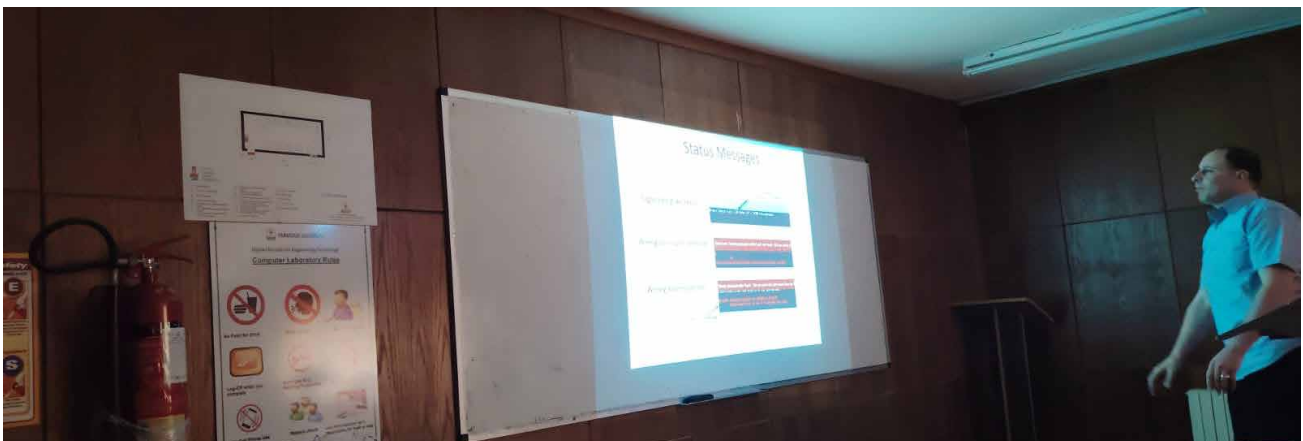


Electronics Engineering Department held a workshop “Introduction to Arduino”



The Electronics Engineering Department held a workshop titled “Introduction to Arduino” as part of its ongoing efforts to enhance ELE students’ practical and technical competencies. Delivered by Eng. Ali Al-Hajji, the workshop targeted members of the department’s Creative Team and focused on the practical utilization of Arduino microcontrollers in senior design and graduation projects.

Participants were introduced to core concepts of embedded systems, including the structure and functionality of the Arduino board, its microcontroller unit, and interfacing capabilities through input/output ports. The workshop emphasized hands-on learning, covering the development and deployment of programs using the Arduino language (based on C++), and provided demonstrations on integrating various sensors and actuators. Additionally, the session offered practical guidance for students interested in pursuing Arduino-based projects and participating in competitions such as the Sumo Robot Challenge.



Electronics Engineering Student Lina Al-Qar'aan Represents YU at EngX360 with Smart Military Helmet Project



Lina Al-Qar'aan, a student from the Electronics Engineering Department, represented Yarmouk University at the EngX360 - Engineering Excellence Forum organized by the Jordan Engineers Association. She presented a graduation project titled "Smart Military Helmet," developed with a multidisciplinary team under the supervision of Dr. Yusra Obeidat. The helmet integrates advanced sensors, LoRa communication, augmented reality, and emergency systems to enhance soldier safety and operational effectiveness. The project received support from the King Abdullah II Fund for Development in collaboration with the Jordan Design and Development Bureau (JODDB).



Biomedical Engineering Students Showcase Innovations in Healthcare at Interdisciplinary Event

On Tuesday, May 6, 2025, students from the Department of Biomedical Systems and Informatics Engineering at the Hijjawi Faculty for Engineering Technology organized a distinguished event titled "Biomedical Engineering in the Service of Healthcare", held at the Faculty of Pharmacy - Yarmouk University. The event was conducted under the supervision of Prof. Awad Al-Zaben, in collaboration with the Interprofessional Medical Education Committee, and under the patronage of Prof. Ghaith Al-Taani, Dean of the Faculty of Pharmacy.

The program commenced with the national anthem and a recitation from the Holy Quran, followed by a welcoming address from Prof. Al-Taani, who commended the students' efforts and emphasized the significance of interdisciplinary collaboration in healthcare innovation. Prof. Al-Zaben then delivered a keynote speech highlighting the vital role of biomedical engineering in advancing healthcare systems, stressing the importance of integrating engineering expertise with clinical needs to achieve impactful medical solutions.

A featured lecture was presented by Student Fares Moqbel, a member of the Interprofessional Education Committee, titled "The Impact of Biomedical Engineering on Our Daily Lives." The session explored real-world applications of biomedical technologies and their role in enhancing patient care and quality of life.

The event concluded with the opening of a medical device exhibition, where biomedical engineering students showcased state-of-the-art devices, explained their functionalities, and demonstrated the biomedical engineer's critical role in the design and development process. The event attracted strong participation from students across the Faculties of Medicine, Pharmacy, and Nursing, offering them valuable insights into the biomedical engineering field and its growing contributions to modern healthcare.



Students Activities

Hijjawi Faculty Celebrates Upcoming Graduates with Notebook Tribute



Under the patronage of Professor Mohammad Alzubaidi, Dean of the Hijjawi Faculty for Engineering Technology, the Student Union at the faculty organized a special event in celebration of the students' upcoming graduation. The event featured a heartfelt tradition where students showcased their graduation notebooks, symbolizing the unique journey each has taken during their time at university.

These notebooks served as a space where classmates and friends wrote messages of congratulations, sincere wishes, and words of encouragement, adding a deeply personal and memorable touch to the occasion.

During the event, Professor Alzubaidi delivered a speech expressing his pride and admiration for the graduating students. He emphasized that these notebooks are not merely paper but represent moments filled with memories, experiences, and challenges that shaped each student throughout their academic journey.

He also encouraged students to apply what they have learned in the service of their homeland and society and to serve as role models of creativity, excellence, and dedication in their future professional lives. Professor Alzubaidi reaffirmed that the Hijjawi Faculty will always remain a home that embraces its students and celebrates their achievements with pride.



Hijjawi Faculty Holds Open Meeting with Students in Presence of Vice Dean, Assistant Dean, and Department Heads



As part of its commitment to transparency and fostering dialogue with students, the Hijjawi Faculty for Engineering Technology at Yarmouk University organized an open meeting titled "Hijjawi Open Dialogue with Students", attended by Dr. Hisham Almasaeid, Vice Dean, on behalf of the Dean, alongside Dr. Mohammad Tamimi, Assistant Dean, and department heads.

The purpose of the meeting was to listen to students' feedback, address their academic and administrative concerns, and strengthen collaboration between students and the faculty to enhance the educational environment.

Dr. Almasaeid opened the session by welcoming students and emphasizing the faculty's dedication to academic excellence and open communication.

Dr. Tamimi actively engaged with the attendees, listening attentively to student inputs, clarifying several academic points, and contributing to discussions on possible improvements across various aspects of student experience.

Topics discussed included course scheduling, lab availability, graduation project procedures, training opportunities, and student involvement in extracurricular activities.

The faculty administration reaffirmed its commitment to holding regular student forums and supporting initiatives that promote academic development, innovation, and a stronger university community.

Launch of the Steel Communication Student Team at Hijjawi Faculty - Department of Communication Engineering



On Thursday, May 29, 2025, the Hijjawi Faculty of Engineering Technology at Yarmouk University hosted the official launch of the Steel Communication student team. This initiative, inspired by the successful experience of the Steel team in the Civil Engineering Department, aims to support students in the Communication Engineering Department academically, intellectually, and professionally.

The event took place in Wisam Bshanaq Hall and was held under the patronage of Prof. Dr. Mohammad Al-Zubaidi, Dean of the Faculty, who expressed his appreciation for student-led initiatives that promote a culture of excellence and leadership.

Speeches were delivered by Dr. Mohammad Al-Tamimi, Assistant Dean, who emphasized the vital role of student teams in skill development and personal growth, and Dr. Hasan Thiyabat, Head of the Communication Engineering Department and academic supervisor of the team, who outlined the team's vision to foster a collaborative and proactive student community.

During the event, the team also announced the launch of digital student platforms designed to provide academic resources, guidance, and encourage excellence and mutual support among students.

The event witnessed enthusiastic participation from students and guests, including supporters from outside the university.

Hijjawi Faculty Celebrates the Launch of the Sustainability and Green Buildings Team



The Hijjawi Faculty for Engineering and Technology organized the “Sustainability 101” event to mark the official launch of the Sustainability and Green Buildings Team (YESG). The event was held under the patronage of the Vice President for Academic Affairs, Prof. Mwaffaq Otoom, and was attended by the Dean of the Faculty, Prof. Mohammad Al-Zubaidi, alongside several faculty members and students.

In his opening remarks, Dr. Mu’ath Abu Qamar, the team’s supervisor, emphasized that this event represents the team’s official launch. He noted that YESG aims to raise environmental awareness and promote sustainability concepts among students at the faculty and university levels. He also highlighted the crucial role students play in initiating and implementing impactful, sustainable initiatives for the community and environment.

Prof. Mohammad Al-Zubaidi expressed his pride in the team’s launch, reaffirming the faculty’s ongoing support for student initiatives that align with global trends in engineering education, particularly those related to sustainability and green technology. He stressed the importance of such efforts in shaping a conscious and responsible generation.

Prof. Mwaffaq Otoom reiterated Yarmouk University’s commitment to supporting student-led initiatives that align with the Sustainable Development Goals (SDGs). He praised the team’s efforts in organizing the event and commended the high level of participation and engagement.

The event featured contributions from sustainability teams from the Faculties of Medicine and Pharmacy, who presented their sustainability-focused projects in the health sector. In addition, various student-led projects from within and outside the university showcased innovative solutions and initiatives in areas such as environment, energy, and water.

The event also included a presentation by Eksab for Sustainable Development, highlighting successful local experiences in applying sustainability practices within the community.

This event is part of YESG's action plan to foster a culture of sustainability within the university environment and to encourage students to take initiative and innovate in this vital field.



Honoring Ceremony for Participants of the "Elite Engineers" Qur'an Memorization Competition



Under the patronage of the Hijjawi Faculty for Engineering and Technology at Yarmouk University, represented by Dean Prof. Mohammad Al-Zubaidi, the Engineering Committee Team organized an honoring ceremony for participants in the "Elite Engineers" Qur'an Memorization Competition. This competition was held during the holy month of Ramadan and featured six different levels of memorization.

The ceremony took place on Tuesday, April 8, 2025, with the presence of Dr. Ma'moun Al-Shamali, Assistant Dean of the Faculty of Sharia and Islamic Studies, as guest of honor, alongside a group of faculty members, administrative staff, and students.

The event began with a speech from the Dean, who expressed his pride in the students and the outstanding efforts that contributed to the success of this meaningful initiative. This was followed by a thoughtful lecture by Dr. Ma'moun Al-Shamali on the virtues of memorizing the Holy Qur'an and the miraculous aspects of its verses.

Ezz Al-Din Balaawi, head of the Engineering Committee Team, gave a speech thanking the participants and guests, while Muneer Abu Jwaïd served as the event's presenter.



Cluster AE Team from Architectural Engineering Department Officially Registered on Jordan's National Volunteering Platform "نحن"



Cluster Team

In a remarkable milestone that reflects the dedication of Yarmouk University students to community service and volunteerism, Cluster AE, a student-led team from the Department of Architectural Engineering at the Hijjawi Faculty for Engineering and Technology, has been officially documented and registered on "Nahno", the national volunteering platform managed by the Crown Prince Foundation.

This recognition marks the culmination of years of continuous efforts by the team in organizing free workshops, lectures, and community-driven architectural initiatives, aimed at supporting architecture students and raising awareness about the architect's societal role.

In their official statement, the team described this step not just as a transition, but as a new beginning to expand their impact on a national scale, transforming their locally rooted efforts into meaningful contributions to the broader Jordanian community.

To follow Cluster AE and explore their volunteer opportunities, you can visit their official profile on the "Nahno" platform: <https://www.nahno.org/ngo/Cluster-Team-75440>



Civil Engineering Students Visit Manaseer Ready-Mix Concrete Factory - Irbid



On Sunday, April 20, 2025, the Department of Civil Engineering at the Hijjawi Faculty for Engineering and Technology - Yarmouk University organized a scientific visit to the Manaseer Ready-Mix Concrete Factory - Irbid Branch, under the supervision of Dr. Mohammad Tamimi, and with the participation of a group of civil engineering students. The visit was co-organized by the student teams Steel and the ASCE - YU Student Chapter.

The visit aimed to strengthen the students' practical knowledge by exposing them to real-world production processes in a ready-mix concrete facility. Students had the opportunity to learn about quality control mechanisms, the latest techniques in mixing, production, and transportation, and how theoretical concepts taught in class are applied in real industrial settings.

The group was received by Eng. Mohammad Al-Adwan, Irbid Branch Manager and a distinguished alumnus of Hijjawi Faculty, who welcomed the students and emphasized the importance of such visits in building effective bridges between the academic and industrial sectors. He, along with other engineers and technicians at the factory, led the students through a guided tour and provided comprehensive explanations of the production workflows and quality assurance procedures.

The visit also included discussions on potential future collaboration between the factory and Yarmouk University, particularly in the areas of practical training, senior project support, and the organization of joint technical workshops.

At the conclusion of the visit, the students expressed their appreciation for the valuable experience, highlighting its role in enhancing their understanding and preparing them for the realities of the engineering profession.

Architecture Students Conduct Scientific Field Visit to the Royal Scientific Society and Sabri Farah Ready-Mix Concrete Factory



As part of its extracurricular activities aimed at enriching practical knowledge and professional awareness, the Department of Architecture at the Faculty of Engineering - Yarmouk University organized a scientific field visit for second- and third-year students to both the Royal Scientific Society (RSS) and the Sabri Farah Ready-Mix Concrete Factory. The visit was supervised by Eng. Samia Ayoub and Dr. Bara'a Al-Khattatbeh.

Held on Tuesday, April 15, 2025, the visit began with a tour of the laboratories at the Royal Scientific Society, where students were introduced to the latest technologies in soil and concrete testing. They also received an in-depth presentation on RSS projects in the fields of renewable energy and resource efficiency in buildings. In addition, students explored advanced software applications for 3D design and modeling, enhancing their skills in leveraging technology for architectural design.

The second part of the visit took place at the Sabri Farah Ready-Mix Concrete Factory, where students closely observed the full cycle of concrete production—from automated mixing to final quality testing. They engaged directly with the factory engineers, asking questions about concrete applications in modern construction projects.

The supervisors noted that the visit left a significant positive impact on the students, boosting their practical understanding and opening new horizons for career and training opportunities after graduation.

In conclusion, the Department of Architecture expressed its sincere thanks and appreciation to the management of both the Royal Scientific Society and Sabri Farah Factory for their warm hospitality and constructive collaboration, emphasizing the importance of continued partnerships between academic and professional institutions to support the advancement of engineering education in Jordan.

Civil Engineering Students Participate in Tawasol 2025 Forum under the Patronage of HRH Crown Prince Al Hussein bin Abdullah II



The Hijjawi Faculty for Engineering Technology is proud to highlight the participation of Qabas Al-Btoush and Abdullah Al-Qudah, students from the Department of Civil Engineering, in the prestigious Tawasol 2025 Forum, held at the King Hussein Business Park in Amman under the royal patronage of His Royal Highness Crown Prince Al Hussein bin Abdullah II.

Organized by the Crown Prince Foundation, the forum brought together young leaders, professionals, and national stakeholders to discuss the theme: "Reality and Aspirations." The event focused on key national priorities including Artificial Intelligence, Technical and Vocational Education, Entrepreneurship, and Administrative Reform, aligning with Jordan's vision for sustainable development and youth empowerment.

The participation of Al-Btoush and Al-Qudah reflects the strong presence of Hijjawi students in national conversations and policy-shaping platforms. As future engineers, their involvement exemplifies the faculty's commitment to cultivating leadership, innovation, and civic responsibility among its students.

Engaging with thought leaders and national decision-makers, the students had the opportunity to represent their peers and contribute to shaping a future where Jordanian youth play a central role in technological advancement, public service, and economic growth.

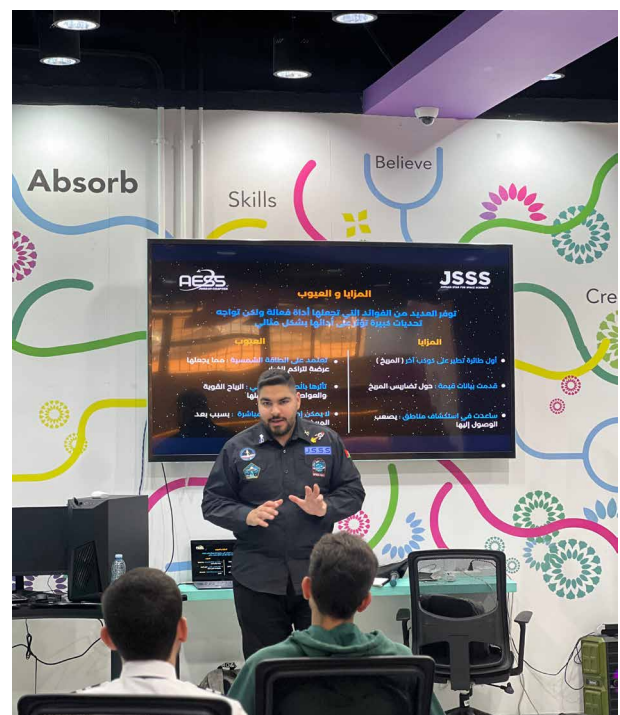
IEEE AESS YU Hosts Workshop on “Efficient Space Exploration: Drone Applications and Challenges in Space”

On Thursday, May 22, 2025, the Aerospace and Electronic Systems Society at Yarmouk University (IEEE AESS YU) held a highly engaging and informative workshop titled “Efficient Space Exploration: Drone Applications and Challenges in Space” at the ZINC hall on Yarmouk University campus.

The session was presented by Eng. Mohammad Abu Amsa, a specialist in aerospace technologies, who shared valuable insights into the use of drone systems in space missions. The workshop explored cutting-edge applications of drones in extraterrestrial environments, including their roles in planetary exploration, remote sensing, and data collection in low-gravity conditions.

Participants had the opportunity to learn about the technological challenges that face drone deployment in space, such as atmospheric differences, energy limitations, and communication constraints. The session also sparked thoughtful discussion on how innovation in drone design can overcome these barriers and pave the way for more efficient and sustainable space exploration missions.

The event reflected IEEE AESS YU's commitment to advancing student knowledge in the fields of aerospace engineering and electronics through dynamic, real-world learning experiences. The society continues to foster scientific curiosity and technical excellence through its diverse lineup of workshops and initiatives.



IEEE AEES YU Launches “Drone Design and Operation” Training Course with Weekly Rewards



The IEEE Aerospace & Electronic Systems Society (AEES) YU successfully conducted a comprehensive training course titled “Drone Design and Operation” from March 1st to April 1st, 2025. This course was specially designed for students, enthusiasts, and professionals eager to explore the fascinating world of drone technology.

Held weekly throughout the month, each session delved into various essential aspects of Unmanned Aerial Vehicles (UAVs), including their core components, design principles, flight mechanisms, and real-world applications. A highlight of the program was the practical training offered in CAD modeling and 3D printing, allowing participants to gain hands-on experience in designing drone structures and understanding their technical foundations.

To enhance engagement and knowledge retention, every session featured an interactive quiz segment, where participants had the chance to win exciting prizes by answering questions related to the day’s content.

The course not only served as a platform to build foundational and advanced understanding of drone systems but also fostered a spirit of curiosity, creativity, and friendly competition among attendees. IEEE AEES YU continues to pave the way for youth development in aviation and aerospace engineering by offering innovative and practical learning opportunities.

On the Wings of Vision – AESS YU May Gathering, 15.5.2025



On Thursday, May 15th, the IEEE Aerospace & Electronic Systems Society (AESS) Yarmouk University Student Branch held its monthly meeting at the ZINC Hall in the PHU Building at Yarmouk University. The meeting was conducted under the supervision of Dr. Ola Al-Taani, the faculty advisor of IEEE AESS YU, and was organized by Chairperson Hassan Abu Sarris, Vice Chair Lina Al-Malkawi, and their outstanding team of dedicated volunteers.

The session served as an important platform to review the branch's future strategy, engage in open discussion about upcoming collaborative opportunities, and highlight new active members who recently joined the AESS community. With a warm and welcoming atmosphere, the meeting reflected the team's strong commitment to growth, teamwork, and fostering innovation within the fields of aerospace, space, and electronic systems.

By aligning visions and sharing ideas, the team laid the foundation for a series of exciting upcoming activities and impactful initiatives, emphasizing the importance of continuous engagement and creativity in shaping the future of the student branch.



"CEIBA and ASEE Join Forces to Advance Engineering Education and Student Leadership"



A Memorandum of Understanding (MoU) was signed between the CEIBA student team and the ASEE (American Society for Engineering Education) student chapter at Hijjawi Faculty for Engineering Technology - Yarmouk University.

This agreement marks a significant step towards strengthening collaboration between student organizations that share a common interest in promoting engineering education, academic excellence, and leadership development.

The memorandum outlines a framework for joint initiatives, workshops, and student-driven activities aimed at enriching the educational environment and providing opportunities for students to enhance both their technical and soft skills.

By fostering this partnership, both teams aim to support student engagement, encourage knowledge exchange, and cultivate a spirit of innovation and teamwork within the engineering community at Yarmouk University.

This collaboration reflects the shared vision of both CEIBA and ASEE in creating a dynamic and empowering platform for students to grow academically, professionally, and personally.

"CEIBA Launches New Chapter at Al al-Bayt University as Part of National Expansion Strategy"



ساييا صاروا في آل البيت...

The CEIBA Team has officially announced the opening of its new chapter at Al al-Bayt University, following two years of continuous effort and meaningful achievements at Yarmouk University - Hijjawi Faculty for Engineering Technology. This expansion marks a key milestone in CEIBA's broader vision to grow, connect, and unify engineering student teams across Jordan.

Founded at the Hijjawi Faculty, CEIBA began as a student-led initiative focused on volunteerism, knowledge-sharing, and engineering excellence. In a short time, the team has succeeded in cultivating a collaborative environment that fosters creativity, leadership, and student empowerment.

In its official statement, the team emphasized that the launch of CEIBA - AABU is more than a geographical expansion—it is a strategic move in building a national network that encourages collaboration among students and delivers real-world, community-driven projects.

The statement added that this step represents the first phase of a national plan to connect engineering student teams under a unified platform, focusing on leadership development, interdisciplinary initiatives, and impactful change.

The team affirmed that this expansion will welcome passionate and ambitious students into the CEIBA community, opening doors to new partnerships, innovative initiatives, and broader opportunities for positive social impact.

"CEIBA Team Participates in Discussion on Smart Cities and Sustainable Development in Rural Jordan"



The CEIBA Team participated in an important discussion session regarding the policy paper presented by Engineers Ahmad Shahabat and Abdullah Na'amneh. The paper focused on the role of smart cities in promoting sustainable development and protecting rural areas in northern Jordan through the use of technology. The session, held at Yarmouk University as part of the Jordan Sustainability Lab Project, was attended by several faculty members from the Faculty of Information Technology and Engineering, as well as Mr. Mohammad Al-Azzam, Chairman of the Administrative Committee of the Irbid Governorate Council, and a number of students representing various student teams in the faculty.

The paper addressed challenges facing rural Jordan, such as the lack of digital infrastructure, youth migration, and poor natural resource management. It also explored potential solutions that smart cities can provide in areas such as education, healthcare, and smart agriculture. International case studies from India and Denmark were presented to illustrate how these technologies could be adapted to the Jordanian context.

The recommendations put forward included: Developing strong digital infrastructure in rural areas, Enhancing digital education and vocational training, Supporting smart agriculture and industry, and Engaging local communities in the development of technological solutions that meet their needs.

The session concluded with a call for the practical implementation of these recommendations through pilot projects in selected rural areas, aiming to expand benefits and achieve sustainable development.

"CEIBA Team Signs MoU with Engineering Session Program to Enhance Engineering Media Collaboration"



The CEIBA Team signed a Memorandum of Understanding (MoU) with the Engineering Session Program. This MoU aims to train a group of CEIBA team members on media skills and engineering media, while fostering continuous communication to serve the students of the Faculty of Engineering at Yarmouk University.

This agreement aligns with the university's vision of supporting collaboration and creativity among students and marks the beginning of a sustainable partnership between the two teams. It is worth noting that the cooperation between CEIBA and the Engineering Session Program has been ongoing since the program's inception, and today it was formalized with an agreement reflecting both parties' commitment to achieving shared goals.

The MoU was signed by Engineer Abdullah Nammaneh, Program Manager of the Engineering Session, and Ms. Nadeen Al-Rababah, Human Resources Department Manager of the CEIBA Team, on behalf of the Team Director.

We hope that this agreement will achieve its intended goals and serve as an inspiring model for collaboration between student teams to benefit the university community.

"CEIBA Team Wins First Place in National Permeable Concrete Competition"



The CEIBA Engineering Team from Yarmouk University proudly secured first place in a national engineering competition featuring top students from various Jordanian universities. This achievement is the result of weeks of dedicated design, testing, and hands-on application in a highly competitive environment.

More than just a victory, this milestone reinforces CEIBA's position as a leading student-driven team committed to innovation, teamwork, and excellence. The team's performance showcased their technical skill, strategic planning, and strong sense of collaboration.

In their official statement, the team emphasized that the win reflects CEIBA's broader mission: to empower students, promote a culture of innovation, and demonstrate the potential of youth-led engineering initiatives in real-world settings.



"Consultative Meeting Between CEIBA and KSU Chemical Engineering Club to Strengthen Arab Student Collaboration"



In an important step towards strengthening cooperation between Arab universities, the CEIBA Team held a friendly consultative meeting with the Chemical Engineering Club at King Saud University in the Kingdom of Saudi Arabia via Google Meet. The discussion focused on sharing student experiences between the two universities and exploring future collaboration opportunities.

The meeting was filled with optimism and enthusiasm, with both teams exchanging insights about their achievements and initiatives aimed at enhancing students' skills in engineering fields. Both parties emphasized the importance of fostering cooperation among students from Arab universities, considering it a key way to open new horizons and broaden students' perspectives.

Furthermore, both sides stressed that expanding services for engineering students at both the local and Arab levels is a primary goal they aim to achieve. This collaboration strengthens the competitive opportunities globally and enhances students' capabilities in various engineering domains.

We are confident that this collaboration will yield fruitful results in the future, opening doors to new opportunities and achievements that will benefit both teams and the academic community as a whole.

Drawing with Excel: Empowering Engineering Students with Data Visualization Skills"

The CEIBA Volunteer Team at Yarmouk University, Faculty of Engineering, organized a workshop titled "Drawing with Excel," under the supervision of Engineer Ubaid. The workshop aimed to enhance students' skills in presenting and analyzing data using Microsoft Excel, teaching them how to transform complex data into professional charts that improve clarity and accuracy in academic reports.

The workshop covered key topics, including the types of charts, how to create and customize charts, and advanced data analysis tools, such as trendlines and mathematical formulas. Practical examples from various engineering fields, including biomedical engineering (Low Pass Filter, High Pass Filter, Band Pass Filter), civil and industrial engineering (Stress-Strain), and electrical engineering (V-I Characteristics), were provided to demonstrate the practical applications of these skills.

The session empowered students with the knowledge to effectively present data and improve the quality of their academic work.

CHARTS WORK SHOPE

Charts are tools to visualize data.

- They make complex data easier to understand and interpret.
- Different chart types serve different analytical purposes.



"Strategic Partnership Between CEIBA and Libya's Robotics Club to Foster Arab Engineering Innovation"



The CEIBA volunteer team proudly announced the establishment of a strategic partnership with the Robotics Club of the College of Electronic Technology in Libya. This announcement was made in a step aimed at enhancing collaboration between engineering student teams across the Arab world, reflecting a shared vision and ambition among Arab youth in the fields of engineering and technology.

This partnership is not merely a temporary collaboration, but rather a launch toward building a shared future based on engineering innovation. It establishes an integrated system for exchanging expertise, developing projects, and supporting young talents in the fields of technology and engineering.

The partnership aims to open new horizons for the development of joint engineering projects and expansion into modern technological fields such as artificial intelligence, robotics, and the Internet of Things. Both teams sought to exchange academic and practical knowledge, providing training opportunities and workshops to enhance students' skills and contribute to developing an innovative educational environment.

This partnership represents a genuine commitment to transcending geographical boundaries and redefining the role of student teams in building the future, with a focus on achieving unprecedented achievements that contribute innovative engineering solutions to benefit the Arab community.

CEIBA Team Announces New Administrative Board and the Launch of a New Generation"



The CEIBA Team is proud to announce the formation of its new administrative board, which will lead the team towards further excellence and achievements in the coming year.

This formation comes after the conclusion of the first generation, the founding members, and is succeeded by the second generation of team members. This new generation will carry forward the legacy of creativity and innovation, striving to achieve further accomplishments in serving the student community.

We are confident that the new administrative board will continue to work towards achieving the team's goals of creativity and excellence, and we wish them success and prosperity in this new phase. They are the pride of the team and our hope for the future.

"Introductory GIS Workshop for Engineering Students at Yarmouk University"



As part of CEIBA Engineering Team's efforts to enhance students' technical knowledge, a workshop titled "Introduction to Geographic Information Systems (GIS)" was held on at the Hijjawi Faculty for Engineering Technology - Yarmouk University.

The session was led by Engineer Taghreed Al-Qudah, who provided an overview of the fundamental concepts of GIS, its applications in civil engineering, urban and environmental planning, as well as spatial analysis tools and techniques for integrating geographic and descriptive data.

The workshop aimed to introduce participants to the core principles of GIS and its role in supporting data-driven decision-making in engineering contexts. It also served as an interactive platform for discussion, questions, and knowledge exchange between the students and the instructor.

The event witnessed active participation from students across various engineering disciplines, who expressed appreciation for the workshop's academic value and its contribution to bridging theoretical understanding with practical application.

ACI Yarmouk University Student Chapter Participated in A competition at Jordan University of Science and Technology

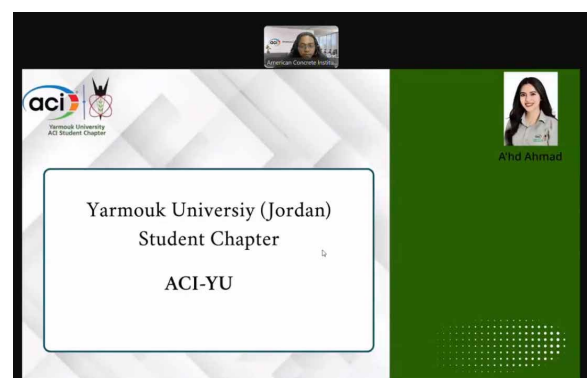
The ACI Yarmouk University Student Chapter participated in the Fiber Bowling Competition organized by the Jordan University of Science and Technology.

The event brought together participants from different universities across Jordan, all competing using fiber-reinforced concrete, which helps improve the strength, durability, and crack resistance of the material. It was a fun and creative way to learn more about concrete materials and teamwork. The team proudly represented Yarmouk University, showing strong effort, cooperation, and enthusiasm throughout the competition.



ACI Yarmouk University Student Chapter Participated in the First Virtual ACI Student Forum

The ACI Yarmouk University Student Chapter represented Jordan at the recent Virtual ACI Student Forum, an international gathering that connects student chapters worldwide. The team delivered a presentation, offering an overview of their chapter's impactful activities, significant achievements, and valuable contributions to concrete innovation. Their presentation also included an introduction to Yarmouk University, highlighting its strong academic foundation and crucial role in fostering student innovation. This global platform provided an excellent opportunity for the chapter to share their experiences, showcase Jordan's talent on an international stage, and promote the connections with engineers and professionals from around the globe.



Architectural Engineering Students Explore Smart High-Rise Design



As part of the structural design course, Dr. Faris Matakah, Associate Professor of Civil Engineering, delivered a lecture titled "Structural Design Essentials for High-Rise Smart Towers" to architectural engineering students.

The session explored key aspects of safe and sustainable high-rise design, including site-specific strategies, seismic and wind-resistant systems, advanced foundations, and innovative façades. Dr. Matakah also emphasized the integration of smart sensors, eco-friendly materials, and fire safety measures.

Real-world examples—like the John Hancock Center and Al Bahr Towers—offered global context, sparking engaging discussion on smart infrastructure and the need for interdisciplinary collaboration in future urban development.



Hijawi Faculty's CLUSTER Team Hosts Landscape Architecture Workshop

In line with its mission to enhance students' practical skills and applied knowledge, the CLUSTER architectural team from Yarmouk University's Department of Architectural Engineering organized an interactive lecture titled "Landscape Design". The event featured the landscape architect Majed Al-Damen, who shared his professional expertise in contemporary landscape design.

Held under the supervision of the Landscape Course faculty Dr. Baraa AlKhatatbeh and Arch. Sarah Darawsheh, the workshop attracted strong student participation. The session focused on modern landscape design methodologies and the essential principles of integrating natural elements with urban environments through comprehensive architectural vision. Participants engaged in hands-on activities exploring sustainable design approaches, ecological considerations, and innovative urban greening techniques.

Such initiatives demonstrate Yarmouk University's leadership in architectural education that balances theoretical foundations with real-world applications. The Department plans to continue this successful series with additional workshops featuring prominent practitioners, further strengthening industry-academia collaboration in Jordan's architectural sector.



Hijjawi Faculty Hosts Intensive Architectural Rendering Workshop

The CLUSTER architectural team at Yarmouk University's Department of Architectural Engineering conducted a two-day "Architectural Rendering" workshop focusing on light and shadow representation. Supervised by Department Head Dr. Baraa AlKhatatbeh, the specialized training targeted first-year architecture students.

The intensive program trained participants in understanding light's transformative effect on architectural forms, mastering precise shadow representation techniques, and developing technical drawing skills for architectural presentations.

CLUSTER team members provided hands-on guidance, creating an immersive learning environment that boosted students' confidence in handling course requirements. This workshop continues the department's series of practical skill-building initiatives that complement theoretical coursework. Such experiential learning opportunities prepare architecture students to meet professional challenges while developing their design sensibilities.



Hijjawi Faculty Students Present Innovative Renovation Plans for King Hussein Library Lobby

Students from the Department of Architectural Engineering at Yarmouk University showcased their visionary redesign proposals for the main lobby of the King Hussein Bin Talal Library during a special review session held on Sunday, May 18, 2025. The presentations formed part of the requirements for the third-year Design Studio course.

The critique panel featured distinguished attendees including Prof. Mohammed Ali Hussein Al-Shakhatra, Library Director, Mr. Raed Khalil Gharaibeh, Assistant Library Director, Mr. Mohammed Yamen, Assistant Library Director, Eng. Ayman Al-Alawnah, Representative from Yarmouk University's Engineering Department, Faculty members Dr. Mohammed Abu Hussein and Eng. Samia Ayyoub, along with teaching assistants Eng. Batoul Al-Darabseh and Eng. Raghad Al-Musa'ada.

The student proposals focused on revitalizing the library lobby through contemporary architectural solutions that enhance both aesthetic appeal and functional efficiency. Designs incorporated modern spatial organization concepts, improved user circulation patterns, and innovative lighting solutions - all tailored to meet the evolving needs of library visitors.

This collaborative initiative exemplifies Yarmouk University's commitment to bridging academic training with real-world applications, fostering productive partnerships between academic departments and university facilities. Such projects underscore the vital role of architectural education in enhancing campus environments while providing students with hands-on experience in preservation and adaptive reuse - key competencies for Jordan's next generation of architects. The Department plans to exhibit refined versions of these proposals for university-wide consideration in the coming months.



Architectural Engineering Students Design Innovative Elderly Care Center

Students from the Department of Architectural Engineering at Yarmouk University's Hijjawi Faculty for Engineering Technology have unveiled their design for a new Elderly Care Center in Irbid. The project, developed as part of the third-year architectural design curriculum, represents an innovative approach to creating compassionate spaces for Jordan's aging population.

Under the guidance of Dr. Mohammed Abu Hussein and Arch. Samia Ayyoub, the student teams created a facility that blends functionality with thoughtful design elements tailored to elderly residents' needs. The project presentation was attended by key stakeholders including Mr. Hussein Lafi, President of the Irbid Elderly Care Association, Ms. Ghada Bkar, Dr. Faisal Al-Shalabi, and numerous association members and community representatives.

The design incorporates universal accessibility features, communal spaces to combat social isolation, and sustainable building practices. "This project demonstrates how architectural education can directly address real community needs," explained Dr. Abu Hussein. "Our students have approached this with both technical skill and social awareness."

The unveiling event fostered meaningful dialogue between the university and community organizations about collaborative approaches to social infrastructure development. Such initiatives align with Jordan's sustainable development goals and highlight architecture's role in creating inclusive spaces.

The Department of Architectural Engineering continues to strengthen its community-engaged learning approach, preparing students to design solutions that serve all segments of Jordanian society. Future collaborations are planned to further develop this important project toward implementation.



Hijjawi Faculty Hosts Architectural Rendering Workshop for First-Year Students

The CLUSTER architectural team from Yarmouk University's Department of Architectural Engineering recently organized a hands-on workshop on "Architectural Rendering" to enhance students' visualization skills. Specifically targeting first-year students, the workshop aimed to develop their ability to present ideas effectively and improve the quality of their architectural drawings—essential competencies for success in design courses.

The session was supervised by Dr. Baraa AlKhatatbeh, Head of the Department, and coordinated by Eng. Sara Darawsheh, who ensured an engaging and supportive learning environment. Members of the CLUSTER team actively shared their expertise and guided students throughout the workshop, fostering a collaborative and interactive atmosphere.



Hijjawi Architecture Students Hone Design Skills in Special Workshop

The CLUSTER team at Yarmouk University's Architectural Engineering Department recently conducted an "Architectural Communication" workshop for first-year students. The session focused on developing essential skills for transforming conceptual ideas into visual architectural designs.

Department Head Dr. Baraa Al-Khatatbeh and Arch. Sarah Darawsheh supervised the workshop, where students learned practical visualization techniques and design communication methods. This training bridges the gap between imagination and professional presentation. The interactive workshop helped participants master basic architectural visualization, develop personal expression styles, and gain confidence in design communication. This initiative reflects the department's commitment to combining theoretical knowledge with practical skills development.



Faculty Members News

Dr. Yusra Obeidat Participation in RENEW MENA Jordan Chapter Launch at The Ritz-Carlton, Amman



Representing Yarmouk University as a gender focal point, Dr. Yusra Obeidat, Head of the Electronics Engineering Department, attended the launch ceremony of the Jordanian branch of the Regional Energy Network for Women in the Middle East and Africa (RENEW MENA), held under the patronage of the Minister of Energy and Mineral Resources. The network primarily aims to empower women in the STEM fields particularly in the energy sector.

During her speech, Dr. Obeidat presented statistics on female representation across various colleges and centers at Yarmouk University, highlighting the university's commitment to supporting female students, academics, administrative staff, and employees in other sectors. She emphasized that discussions should focus on competence rather than gender, whether male or female. Dr. Obeidat noted that women constitute over 60% of the student population in the Faculty of Engineering, while female academic staff account for more than 30%, reflecting the significant advancement of women's roles at Yarmouk University, especially in engineering and technology disciplines.



Dr. Yusra Obeidat Presents Women in Engineering at Al-Huson College Scientific Day

At the official invitation of Al-Huson College - Al-Balqa Applied University, Dr. Yusra Obeidat, Head of the Electronics Engineering Department and Chair of the Women in Engineering (WIE) Jordan Section, delivered an introductory presentation on the Women in Engineering Affinity Group. She discussed its mission, activities, benefits of membership, and the competitive awards accessible to active participants. The lecture was part of the college's Scientific Day program.



Dr. Yusra Obeidat Participates in IMPACT 2025 Conference on Emerging Technologies

Dr. Yusra Obeidat, Head of Electronics Engineering, participated in the IMPACT 2025 Conference organized by IEEE-Tafila Technical University and IEEE-Jordan Young Professionals. The event focused on VR, AR, XR, AI, and the Metaverse, featuring workshops on their applications in healthcare, education, tourism, engineering, gaming, and entertainment.

Dr. Obeidat emphasized the importance of integrating these technologies into engineering education to prepare students for future challenges.



Dr. Yusra Obeidat Joins RENEW MENA Scientific Tour at Al Hussein Technical University

Dr. Yusra Obeidat, Yarmouk University's gender focal point, participated in a scientific tour to Al Hussein Technical University organized by the Regional Women's Network in the Energy Sector - Jordan Chapter (RENEW MENA). The program included workshops with the university president and faculty, plus visits to the Robotics and 3D Printing labs.



Dr. Yusra Obeidat Moderates Key Sessions During 5th International Week at YU

Dr. Yusra Obeidat participated in the activities of the Fifth International Education Week at Yarmouk University, where she moderated several sessions focused on higher education opportunities and international scholarships around the world. The sessions featured speakers from academic and cultural institutions, offering insights into application strategies and global study programs. Dr. Obeidat's engagement reflects her ongoing efforts to support students in accessing international academic pathways and building global competencies.



Dr. Yusra Obeidat Leads WIE-YU Delegation at IEEE Jordan Leadership Summit 2025

As Chair of WIE-Jordan and Advisor of WIE-YU, Dr. Yusra Obeidat, along with WIE-YU Chair Nagham Sawalha and Vice Chair Tala Abu-Rass'a, participated in the IEEE Jordan Leadership Summit 2025 at Amman Arab University. The event gathered over 200 student leaders and advisors for a full day of leadership training, collaboration, and networking aimed at empowering IEEE student branches and chapters across Jordan.



Dr. Yusra Obeidat Actively Engaged in IEEE Jordan Section Leadership Meetings

As Chair of the Women in Engineering (WIE) - Jordan Section and Secretary General of the IEEE Jordan Section, Dr. Yusra Obeidat takes part in the Section's bi-monthly meetings to review and plan key activities, events, and conferences. Her involvement supports the promotion of diversity, technical engagement, and collaboration across IEEE student branches, affinity groups, and academic partners throughout Jordan.



Dr. Yusra Obeidat Participates in IEEE Jordan Section Leadership Meetings

As Chair of the Women in Engineering Affinity Group and Secretary General of the IEEE Jordan Section, Dr. Yusra Obeidat participated in organizing the IEEE Jordan Section Annual Meeting and served as the Moderator of the event. The meeting included presentations highlighting the activities, achievements, and growth of the IEEE Jordan Section, recognition and awards for teams and members who received national, regional, and international honors, exhibition booths for student branches and affinity groups, as well as a keynote lecture delivered by a distinguished speaker from the United States.



Dr. Yusra Obeidat Visited the Technical University of Crete

As part of the Erasmus+ international mobility program, Dr. Yusra Obeidat, Head of the Electronics Engineering Department, visited the Technical University of Crete (Greece). During her visit, she presented her ongoing research, academic projects, and volunteer activities. Dr. Obeidat met with Prof. Michalis Zervakis, President of TUC, who welcomed the visit and expressed strong interest in fostering academic collaboration between the two institutions. She also toured several research laboratories, including the Signal Processing Lab (Prof. Georgeous Stravoulakis), the Signal and Image Processing Lab (Prof. Marios Antonakakis), and the Mineral Resources Lab (Prof. Panagiotis). The visit provided a valuable platform for exploring future research partnerships, knowledge exchange, and collaborative applied projects.



Hijjawi Faculty Members Selected as Judges for the 2025 QS Reimagine Education Awards



The Hijjawi Faculty for Engineering Technology at Yarmouk University is proud to announce that Dr. Mwaffaq Ootom, Vice President of the University, along with Dr. Ahmad Mansour Al-Omari and Dr. Ali Shehadeh, have been selected to serve as judges for the prestigious 2025 QS Reimagine Education Awards – a global competition widely regarded as the “Oscars of Education.”

The Reimagine Education Awards recognize groundbreaking innovations in teaching, learning, and student success across 18 award categories, including Artificial Intelligence, employability, sustainability, pedagogical innovation, and assessment reform. This platform offers global visibility and funding opportunities of up to \$25,000 for outstanding educational initiatives.

The inclusion of three esteemed faculty members and leaders from Yarmouk University in the international judging panel reflects the institution’s strong presence in global educational development and innovation. It also underscores the Hijjawi Faculty’s ongoing commitment to academic excellence, transformative learning, and global engagement.

We extend our congratulations to Dr. Ootom, Dr. Al-Omari, and Dr. Shehadeh on this significant achievement and encourage our academic community to seize this opportunity to contribute and shine on the world stage.

Dr. Mohammad Tamimi Participated at Prestigious International Conference in Spain

Dr. Mohammad Tamimi from the Department of Civil Engineering at Hijjawi Faculty participated in the 10th International Conference on Structural Engineering and Concrete Technology (ICSECT 2025) in Barcelona, Spain. He presented his research on "Parametric Evaluation of Seismic Performance in Buckling-Restrained Braces Through Numerical Analysis," focusing on improving structural safety in earthquake zones. Dr. Tamimi thanked Yarmouk University and the Hijjawi Faculty for their support in enabling his participation.



Dr. Faisal Shalabi Participated at Prestigious International Conference in Spain

Dr. Faisal Ibrahim Shalabi, Associate Professor in the Civil Engineering Department at Hijjawi College of Engineering Technology - Yarmouk University, participated in the 10th International Conference on Geotechnical Research and Engineering (ICGRE'25) held in Barcelona, Spain, from April 10-12, 2025. He presented a paper titled "Improving the Mechanical Properties of Dune Sand for Construction Using Nanosilica and Portland Cement." The research focused on enhancing dune sand's engineering properties to prevent foundation weaknesses in buildings and roads. The conference featured global experts sharing innovative solutions in geotechnical engineering.

Dr. Shalabi's participation highlights the faculty's commitment to advancing research that addresses local and regional engineering challenges. His work also strengthens Yarmouk University's presence in the international scientific community.



Dr. Ali Shehadeh Visits the University of Bradford to Advance Collaborative Research on Net-Positive Housing

The Hijjawi Faculty for Engineering Technology is proud to share that Dr. Ali Shehadeh (Civil Engineering) participated in a collaborative project hosted by the University of Bradford (UK): "Golden Thread to Sustainability, Inclusivity, Affordability and Futureproofing in the Global South through Innovative Advancements in Net-Positive Housing."

Funded by the Royal Academy of Engineering, the project aims to develop sustainable, inclusive, and energy-positive housing solutions for the Global South. Dr. Shehadeh contributed expertise in digital twin technologies, climate-responsive construction, and inclusive design.

His visit included workshops, strategy sessions, and site visits, reinforcing the Faculty's commitment to impactful global research aligned with the UN Sustainable Development Goals.

Dr. Ali Shehadeh Participates in Tawasol 2025 Forum Under the Patronage of HRH Crown Prince Al Hussein bin Abdullah II

Dr. Ali Shehadeh, Associate Professor of Civil Engineering and Director of the Accreditation and Quality Assurance Center at Yarmouk University, participated in the Tawasol 2025 Forum at King Hussein Business Park, held under the patronage of HRH Crown Prince Al Hussein bin Abdullah II.

Hosted by the Crown Prince Foundation, the forum focused on national priorities including AI, vocational education, entrepreneurship, and reform. Dr. Shehadeh's participation reflects his commitment to educational quality and innovation in line with Jordan's development goals.



Dr. Mahmoud Masadeh participated in the training week in Algeria

Dr. Mahmoud Masadeh, Head of the Department of Computer Engineering, participated in the training week at Abdelhamid Ibn Badis University-Mostaganem, Algeria university. The training week included participants from Chemnitz University of Technology in Germany, and the Jordan University of Science and Technology. This participation comes within the project supported by the Startup Network /SAXEED.ECO. The visit included a visit to University of Oran 2 Mohamed Ben Ahmed and University of Tlemcen.



Dr. Masadeh Presents Research on Intelligent Course Advisory System at ICCIAA 2025

The Head of Computer Engineering Department, Dr Mahmoud Saleh Masadeh, participated in the International Conference on Computational Intelligence Approaches and Applications (ICCIAA), that was held at the University of Perta, Amman, Jordan during the period of April 28, 2025, to April 30, 2025. Dr Masadeh Presented the paper titled "Intelligent Advisory System for Course Registration: Yarmouk University Case Study".



Dr. Mahmoud Masadeh Joins Evaluation Committee for Entrepreneurial Innovation Projects

Dr. Mahmoud Masadeh, Head of the Department of Computer Engineering, participated as a member of the committee who is responsible for evaluating and selecting entrepreneurial ideas submitted to Center for Entrepreneurship and Innovation. The evaluation included 26 projects submitted to the Center of Entrepreneurship and Innovation, and the committee included members from Academia, Industry, and business Entrepreneurs.



Dr. Mohammed Al-Sumady Participates in International Week and Conference at Ruse University - Bulgaria

Dr. Mohammed Al-Sumady from the electronics engineering department recently participated in the International Week and Conference hosted by Ruse University in Bulgaria. During the event, he delivered a presentation introducing Jordan and Yarmouk University, and led a workshop focused on recent developments in Power Electronics.



Dr. Shadi Alboon Participates in IEEE Leader Summit

Dr. Shadi Alboon from the electronics engineering department was invited to participate in the IEEE Leaders summit as the Automation and Robotics Society (RAS) Yarmouk University branch advisor. The summit was hosted by The on May 17th, 2025, at Arab Open University. It featured panel discussions and workshops addressing contemporary issues in the world of technology and engineering, as well as a showcase of inspiring student experiences and the achievements of IEEE branches across the Kingdom. Many students from the IEEE Yarmouk University student branch attended the summit.



Dr. Alboon Conducts Workshop on Statement of Purpose at YU's 5th International Week

Dr. Shadi Alboon from the Electronics Engineering Department participated in Yarmouk University's 5th International Week (May 20-21, 2025), under the theme "Global Partnerships for Digital Transformation, Inclusion, and Sustainable Higher Education." He delivered a workshop on writing an effective Statement of Purpose (SOP), highlighting its role in graduate study applications. The session covered key SOP components, common mistakes, and practical tips, followed by a dynamic discussion with students.



Dr. Alboon Visits Silesian University of Technology Through Erasmus+ Mobility Program

As part of the Erasmus+ partnership with Yarmouk University, Dr. Shadi Alboon from the Electronics Engineering Department conducted a teaching mobility visit to the Silesian University of Technology in Poland from May 26-30, 2025. During his visit, Dr. Alboon delivered lectures to undergraduate and master's students and presented a seminar to the Electrical Engineering and Optoelectronics departments, showcasing his research activities and exploring future collaboration in teaching and research.



The audience expressed strong interest in partnerships with Hijjawi Faculty for Engineering Technology and praised the quality of its research. Dr. Alboon also promoted Yarmouk University, Jordan, and its tourism opportunities in his sessions, and toured various teaching and research labs at the host university.

This visit paved the way for future academic collaboration and highlighted the value of international mobility in advancing research and education.



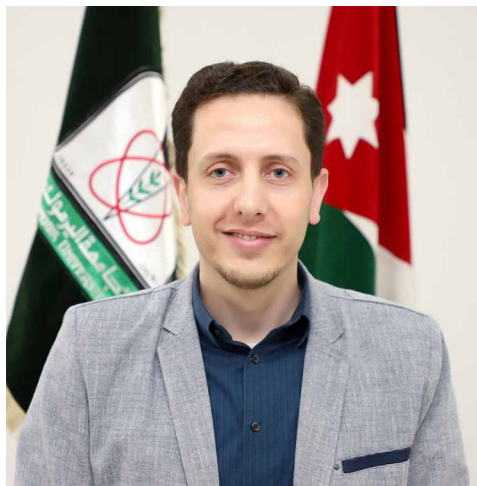
Promoted Faculty Members Since April 2025

The Hijjawi Faculty for Engineering Tehnology congatualtes the promoted faculty members since April 2025!

To Full Professor



Prof. Mohammed Shamekh Aloqlah
Communication Engineering



Dr. Ahmad Hani Alomari
Civil Engineering

Success Stories

Hijjawi IEEE Wins Six Awards at Annual Meeting



The IEEE (Institute of Electrical and Electronics Engineers) Student Branch at the Hijjawi Faculty for Engineering Technology, Yarmouk University, has won six prestigious awards at the 2025 IEEE Annual Meeting, held at the national level and Region 8, which includes Europe, Africa, and the Middle East. These achievements reflect the academic and professional excellence of the branch and its members.

The awards include:

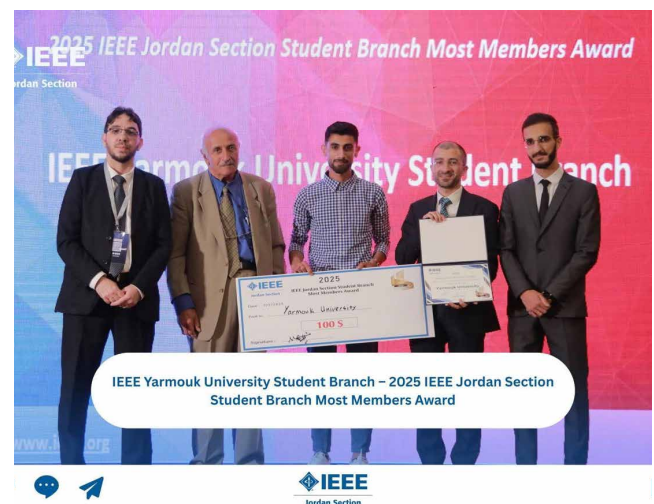
- (1) Best Student Branch in Jordan
- (2) Student Branch with the Highest Membership in Jordan
- (3) Best IEEE Women in Engineering (WIE) Affinity Group, supervised by Dr. Yusra Obeidat from the Department of Electronics Engineering
- (4) Second Place in the IEEEDuino 2024 Competition (via the SKB Team)
- (5) Region 8 Outstanding Women in Engineering Volunteer Award, presented to Dr. Yusra Obeidat
- (6) Most Impactful Technical Activity Award, under the supervision of Dr. Ateka Khader from the Department of Biomedical Systems and Informatics Engineering

During a visit to the Hijjawi Faculty, Yarmouk University President Prof. Islam Massad met with the students and expressed his pride in their achievements. He reaffirmed the university's ongoing support for student excellence and innovation.

Joined by Vice President Prof. Mwaffaq Otoom and Dean of the Faculty Prof. Mohammad Alzubaidi, Massad emphasized that such accomplishments are the result of persistent effort, teamwork, and a spirit of initiative and leadership among students, faculty, and staff. He noted that the IEEE branch's success puts Yarmouk University at the forefront of academic institutions supporting innovation, volunteerism, and scientific excellence.

Prof. Massad also praised everyone involved in making this achievement possible and stressed the university's commitment to supporting all initiatives that positively reflect on its students locally and internationally. He extended particular appreciation to the faculty advisors for their mentorship and guidance.

The IEEE Student Branch at Yarmouk University is supervised by Dr. Zaid Al-Batainah from the Department of Electronics Engineering and receives continuous support from the Hisham Hijawi Scientific Foundation.



Hijjawi Engineering Student Takes First in Anti-Drug Competition



Qabas Al-Batoush, a student from the Hijjawi Faculty for Engineering Technology at Yarmouk University, won first place in the scientific research category of the national awareness competition organized by the Anti-Narcotics Department of the Public Security Directorate. The competition was held in celebration of the International Day Against Drug Abuse and Illicit Trafficking.

The award was presented during a national ceremony held under the patronage of the Director of Public Security, Major General Dr. Obeidallah Maaitah, who commended Qabas for his outstanding contribution and research efforts. He praised Yarmouk University for fostering student engagement in initiatives that contribute to raising awareness about the dangers of drug abuse and the importance of prevention.

This achievement reflects the commitment of the Hijjawi Faculty to encourage academic excellence and community engagement among its students. It also underscores the faculty's ongoing efforts to support youth involvement in addressing national and social challenges through research and innovation.

Qabas's participation was supervised and supported by the Career Guidance and Alumni Follow-Up Office / King Abdullah II Fund for Development at the Deanship of Student Affairs.

Hijjawi's ACI Student Chapter Wins Second Place in Eco Concrete 2025



The student chapter of the American Concrete Institute (ACI) at the Hijjawi Faculty for Engineering Technology - Yarmouk University has achieved second place in the prestigious Eco Concrete 2025 international competition, organized virtually by ACI in the United States. The competition promotes the development of sustainable and environmentally friendly concrete mixes.

The award-winning team includes civil engineering students Tala Al-Momani, Ahed Ahmad, Farah Bani Mustafa, Ali Juma'a, Qabas Al-Batoush, and Ruba Al-Afeef, under the supervision of Dr. Faris Matakah. The team demonstrated excellence through collaborative work, practical application, innovative design, and strong academic guidance.

Dozens of teams from leading global universities participated. In addition to Hijjawi's team, finalists included universities from the USA, the Philippines, Lebanon, Bangladesh, Egypt, and Ecuador.

Dr. Matakah explained that this year's competition focused on designing innovative concrete mixes that reduce carbon emissions by using sustainable materials such as fly ash, slag, and silica fume. The evaluation was based on a comprehensive technical report, a video presentation highlighting the environmental impact and durability of the mix, and a live virtual interview with a panel of experts.

Dr. Mohammad Alzubaidi, Dean of the Faculty, emphasized that this achievement reflects the exceptional capabilities of Hijjawi's students and their readiness to compete globally. He expressed pride in their success and stressed the importance of research and development in sustainable construction. He also highlighted how such initiatives foster academic excellence, innovation, and community responsibility.

With this award, the ACI student chapter at Hijjawi Faculty has now won 12 awards in six years, including 4 local and 8 international honors, underscoring their ongoing excellence, teamwork, and ability to excel on the global academic stage.

Hijjawi Faculty ACI Student Chapter Wins "Outstanding Student Chapter Award 2024"



The American Concrete Institute (ACI) Student Chapter at the Civil Engineering Department of the Hijjawi Faculty for Engineering and Technology at Yarmouk University has once again proven its excellence by winning the "Outstanding Student Chapter Award for 2024". This marks the fifth time the chapter has received this prestigious recognition since its establishment in 2018, and the fourth consecutive win.

Prof. Mohammad Alzubaidi, Dean of the Faculty, praised the chapter's ongoing efforts in promoting student engagement, innovation, and excellence in civil engineering and concrete technology. He emphasized that the award, granted annually by ACI, recognizes chapters that demonstrate exceptional activity and community involvement through their detailed annual reports.

"This continued success highlights the quality and sustainability of the chapter's programs and its positive impact on preparing a generation of engineers equipped with leadership, teamwork, and community service skills," said Alzubaidi.

Dr. Faris Matakah, the chapter's faculty advisor, noted that this award is the result of collective and dedicated teamwork. The 2024 annual report, evaluated by a specialized ACI committee, showcased a wide range of achievements and events.

The report included:

- Participation in and organization of 9 local and international competitions, demonstrating the students' technical readiness and engineering excellence.
- 4 volunteer activities promoting public service and social responsibility.
- Participation in 4 conferences and workshops.
- Publication of 2 student articles in ACI Concrete International Magazine.
- Winning 3 national engineering competitions during the year.

Dr. Matakah added that such achievements reflect the chapter's commitment to community service and academic excellence. The award further elevates Yarmouk University's academic standing and serves as a strong motivation for continued success and innovation.

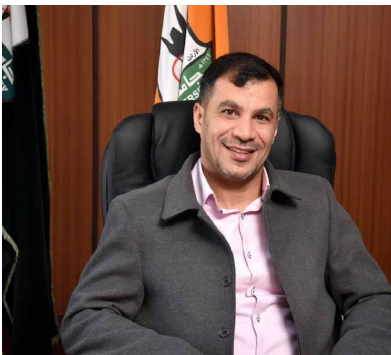
Happy New Hijri Year 1447!

Wishing You a Prosperous and Happy New Hijri Year 1447 from the Hijjawi Faculty for Engineering Technology Leadership Team!



Prof. Mohammad A. Alzubaidi

Dean of Faculty



Prof. Zaid Albataineh

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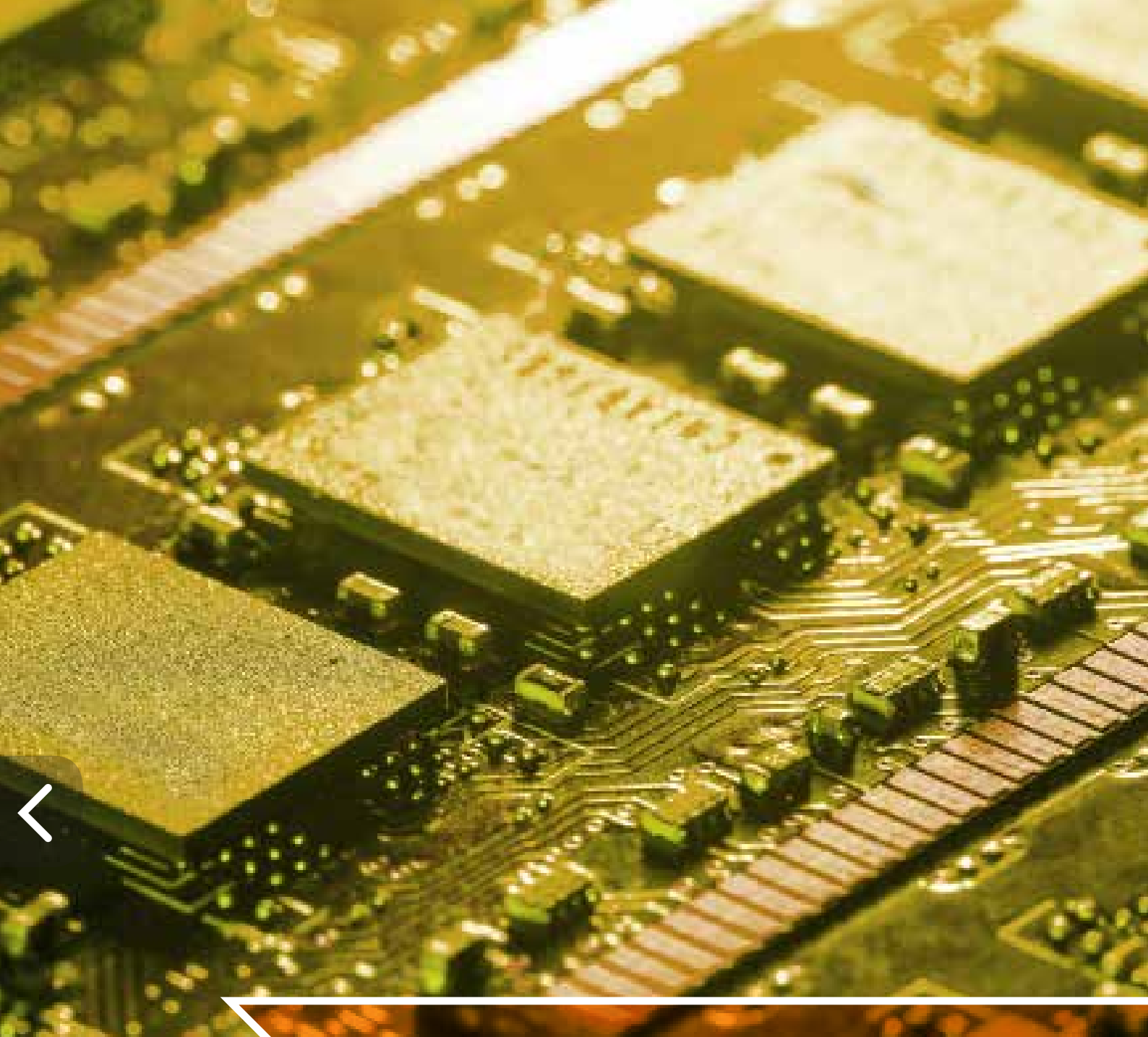
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