ABET
Engineering Accreditation Commission

Hijjawi Faculty Newsletter

Issue 14 April 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 (**11** B.S. / **6** M.S.)

More than **12,000** Engineering Graduates

125 Academic Staff

76 Admin Staff & Lab Engineer

Special Titles:

Dean's Message

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

Welcome to the 14th issue of the Hijjawi Faculty for Engineering Technology Newsletter!

This edition begins with a thought-provoking feature by Prof. Mwaffaq Otoom, University Vice President, titled "Universities Without Borders." His article explores the transformative role of universities in fostering global collaboration, transcending physical and academic barriers to create inclusive, knowledge-driven communities. As higher education continues to evolve, his insights inspire us to embrace innovation and expand our impact beyond traditional boundaries.

In this issue, we also highlight significant achievements within our faculty, including international grants, funded research projects, and advancements in career development programs. These milestones reflect our continuous commitment to excellence in education, research, and industry collaboration.

Additionally, we celebrate the outstanding contributions of our faculty members, from well-earned academic promotions to groundbreaking research initiatives that push the frontiers of engineering and technology. Our students, too, continue to make us proud with their remarkable performances in national and international competitions, workshops, and training programs—further cementing Hijjawi's reputation as a hub for innovation and excellence.

Looking ahead, we are steadfast in our efforts to align our academic programs with the Jordanian National Qualification Framework, secure ABET accreditation for our Architectural Engineering program, and enhance our Career Development Unit to better prepare students for the evolving job market. We are also actively seeking grants to modernize our labs and provide state-of-the-art learning facilities.

As we continue striving for global recognition, our goal remains clear: to cultivate a dynamic, forward-thinking academic environment where students and faculty can thrive.

I hope you find this issue insightful and inspiring. Thank you for being part of our journey toward academic and professional excellence.

Wishing you all a Happy Eid Al-Fitr 1446!

Featured Article

Universities Without Borders

Prof. Mwaffaq Otoom, PhD
Vice President
Yarmouk University

For centuries, universities have stood as walled institutions—literally and figuratively. Historic campuses were enclosed by gates, archways, and stone walls that defined not just physical boundaries, but intellectual ones as well. The university was a place set apart: knowledge was housed, protected, and shared selectively.

But in our time, those gates have opened. The walls have come down.

We now stand at the threshold of a new era—an era of universities without borders.

Today, a university is not just defined by its campus or its city, nor even by its country. It is defined by its reach, its collaborations, and its commitment to global impact. From the labs at Yarmouk University to research centers across continents, knowledge is no longer confined. Through collaborative research, academic exchange, and global partnerships, we are witnessing an unprecedented flow of ideas and innovation across borders.

But the transformation doesn't stop there.

Perhaps the most powerful shift has come through online education. With digital platforms, virtual classrooms, and hybrid learning environments, education is no longer limited to those who can physically enter a lecture hall. A student in Irbid can now learn alongside peers in Singapore, Berlin, or Nairobi—accessing the same lectures, engaging in the same discussions, and working on the same global challenges.

This digital leap not only redefines accessibility but also reshapes the very mission of the university. We are no longer just places of teaching and research—we are global nodes of connection, innovation, and transformation.

At the Hijjawi Faculty for Engineering Technology, we embrace this new vision. Our faculty members are engaged in international research projects. Our students collaborate in virtual teams across time zones. And our curricula continue to evolve with the tools and technologies of the digital world. This is not just adaptation—it is leadership.

A borderless university is not one without identity—it is one that shares its identity freely, learns from others openly, and contributes meaningfully to a world in need of solutions.

In this era, education is not bound by geography—it is inspired by possibility.

Alumni

Dr. Yousef Al-Kofahi

Dr. Yousef Al-Kofahi (Class of 2003), is an accomplished data science leader with over two decades of academic and industry experience in artificial intelligence, machine learning, computer vision, natural language processing, and generative AI. He has co-authored more than 30 peer-reviewed publications and book chapters and holds over a dozen patents. Currently, he serves as a Principal Data Science Manager at Microsoft, working on AI-driven co-innovation projects with strategic customers.

Dr. Al-Kofahi earned his Ph.D. in Computer Systems Engineering from Rensselaer Polytechnic Institute (RPI) in 2009. His doctoral research focused on developing computer vision and machine learning algorithms for analyzing and mapping 2D and 3D tissue images in neuroscience and histopathology applications. Following his Ph.D., he worked with biotechnology startups in New York and Boston, where he led teams in developing image analysis and machine learning solutions that were successfully integrated into products for clinical laboratories and pharmaceutical research.

In 2011, he joined GE Global Research as a Senior Computer Vision Scientist, developing AI-driven solutions for biomedical applications by integrating multi-scale imaging data with clinical and genomic information.

From 2014 to 2018, he led multi-disciplinary teams across various GE businesses, including GE Healthcare, where he developed deep learning-based segmentation and classification algorithms for multiplexed cancer tissue images, and GE Aviation, where he worked on AI-driven Automated Defect Recognition for additive manufacturing.

In 2019, he served as a Principal Investigator on a research grant within the NIH-funded HuBMAP consortium, leading a team of scientists in advancing multi-modality and multi-resolution

tissue mapping. His work addressed critical challenges in 3D reconstruction, image segmentation, and cell classification.

In 2020, Dr. Al-Kofahi joined Microsoft's Industry Solutions Engineering as a Principal Data Scientist, where he led the development of cloud-based AI/ML solutions for various industries, including manufacturing and retail.

In 2022, he transitioned to an incubation team, playing a key role in the company's early adoption of generative AI and collaboration with OpenAI, where he led a data science team developing one of Microsoft's first enterprise large language model (LLM) applications. This effort culminated in the launch of the AI Acceleration Studio, an initiative dedicated to working with strategic customers on transformative AI solutions leveraging generative and foundation models. As a founding member and leader of the data science team, he played a key role in defining the studio's strategic roadmap and led efforts in applying multi-modal foundation models to real-world applications, including text-to-code and text-to-image generation.

Beyond his corporate work, Dr. Al-Kofahi has served as a technical advisor to BioNL.ai, a startup focused on machine learning and generative AI for genomic data analysis. He also served as a scientific advisor to Phi Science Institute, mentoring junior researchers on AI applications in biomedical research. Additionally, he was an adjunct professor at the State University of New York (SUNY), teaching graduate-level computer science courses from 2017 to 2018.

Dr. Mohammad Al Mestiraihi

Dr. Mohammad Al Mestiraihi (Class of 2007), a proud graduate of the Hijjawi Faculty for Engineering Technology (Computer Engineering), has built an impressive academic and professional journey that spans multiple countries and disciplines. He earned his Ph.D. in Engineering Education from Utah State University (USU) in July 2022, under the supervision of Professor Kurt Becker. Prior to that, he completed a Master of Science in Electrical and Computer Engineering at Oklahoma State University and a Master of Engineering in Computer Engineering at the Jordan University of Science and Technology (JUST).

With a strong foundation laid at Yarmouk University, Dr. Al Mestiraihi has accumulated extensive teaching and research experience. He spent over four years as a lecturer at Najran University in Saudi Arabia, served as a Graduate Teaching Assistant at Oklahoma State University for two and a half years, and as a Graduate Research Assistant at USU for three years.

Currently, Dr. Al Mestiraihi serves as an Assistant Professor in the Department of Electrical and Computer Engineering at the University of Texas Rio Grande Valley (UTRGV), a role he assumed in Fall 2022 shortly after completing his Ph.D.

His journey is a testament to the academic excellence and global impact of Hijjawi Faculty graduates.

Eng. Ayah Qudah

Eng. Ayah Qudah (Class of 2014), a graduate of Yarmouk University with a Bachelor's degree in Computer Engineering, has established herself as a trailblazer in the game development industry since 2017. Currently a Senior Game Developer at Maysalward Mobile Game Studio, she has been instrumental in developing innovative Mobile and Web games, with expertise spanning Unity, C#, and JavaScript. Her diverse portfolio includes casual, Hyper-casual, VR, and AR games, enriched by advanced AI integration and engaging multiplayer features.

In addition to her development achievements, Ayah is a passionate trainer and mentor dedicated to empowering game developers and educators across Jordan, Saudi Arabia, and the UAE. She has spearheaded training programs at Jordan's Gaming Lab, the Ministry of Digital Economy and Entrepreneurship, and the Ministry of Education, inspiring budding developers of all ages. Ayah was also part of a program with Microsoft, where she trained teachers in Jordan to use Minecraft Education as an engaging and interactive educational tool. She is currently supervising the preparation and publication of game development materials in Arabic, aiming to make learning more accessible and easier for aspiring developers across the region. Her international contributions include leading training sessions in Saudi Arabia and boot camps in Dubai. A standout moment in her career was her participation in an esports event in Dubai through Maysalward, where she proudly showcased Dominoes Pro, the studio's flagship game. Since 2019, Ayah has skillfully led development teams at Maysalward, reflecting her unwavering commitment to innovation and elevating interactive entertainment.

Eng. Abdulrahman I. Dawahdeh

Eng. Abdulrahman Ibrahim Dawahdeh (Class of 2021), holds a Bachelor of Science in Industrial Engineering from Yarmouk University, where he received a Royal Scholarship in recognition of his academic achievements. His innovative thinking is evident in his work on projects such as the smart self-cleaning system for solar panels, which improved energy efficiency and optimized the power system, and the smart pipe system, which was recognized for its impact in the first Hijjawi Innovation and Creativity Competition. During his studies at Yarmouk University, he actively participated in numerous extracurricular activities, serving as a member of the Hijjawi Faculty Committee and as a director of university clubs affiliated with the Deanship of Student Affairs. These roles enabled him to develop leadership, organizational, and teamwork skills, enhancing his ability to contribute effectively to the academic and professional environment.

He is a highly skilled industrial engineer specializing in cost control, performance management, and process improvement. He currently works as a cost and performance engineer at Al Rajhi Cement Company - Cementra, Jordan, a leading cement manufacturer. His role focuses on improving operational efficiency, reducing energy consumption, and enhancing equipment effectiveness through data-driven decision-making and strategic process optimization.

At Al Rajhi Cement Company, Eng. Dawahdeh is responsible for analyzing energy consumption, monitoring machine operations, and conducting root cause analysis of downtime. His expertise has contributed to implementing corrective actions that have significantly reduced unplanned downtime. Additionally, he oversees the management of capital and operating expenditure budgets, ensuring efficient resource allocation and cost optimization. He also prepares and monitors budgets to achieve cost control and integration across departments. He is also involved in administration, project management, budget management, equipment performance optimization, and monitoring performance metrics to achieve overall benefit and continuous improvement.

Eng. Aws Idris

Eng. Aws Idris (Class of 2017), a standout alumnus of the Hijjawi Faculty for Engineering Technology, received a bachelor's degree in civil engineering, ranking first out of 181 students who graduated in the same academic year. His exceptional academic performance earned him special recognition from the Yarmouk University Alumni Club, honoring him as one of the top graduates of his college. Beyond academics, Aws was an active and engaged student, contributing to several college activities and demonstrating early promise as a future influencer in the civil engineering field. Driven by a passion for structural innovation, Aws continued his academic journey at Jordan University of Science and Technology, where he earned a Master of Science in Structural Engineering. There, he was awarded a prestigious scholarship from the Scientific Research and Innovation Support Fund, granted to outstanding graduate students with outstanding academic records. Following his master's, Aws worked as a civil engineer at the Jordan Radio and Television Corporation, gaining valuable industry experience over two years before pursuing his Ph.D. studies.

Currently, Aws is a Ph.D. candidate and graduate research assistant in the School of Civil and Environmental Engineering at Oklahoma State University. In recognition of his academic excellence and research impact, Aws was awarded the Kerry & Roberta Havner Fellow in Structures & Mechanics Endowed Scholarship for three consecutive years, which is a prestigious honor given to outstanding scholars in the field of structural engineering. His research is dedicated to enhancing the safety, reliability, and resilience of civil and marine structures through cutting-edge engineering solutions. His expertise includes high-fidelity finite element simulations, probabilistic and reliability analysis, structural safety assessment of ship components, risk and resilience enhancement of infrastructure systems, and the development of advanced seismic control technologies such as buckling-restrained braces. In addition, his work investigates the performance of steel connections with the goal of improving structural reliability and efficiency. Through his research, Aws aims to help shape the future of civil infrastructure by promoting safer, more sustainable, and resilient engineering practices.

Faculty News

Dean of Hijjawi Faculty Highlights Achievements and Strategic Vision for Engineering Education

كلية الحجاوي للهندسة التكنولوجية

Hijjawi Faculty for Engineering Technology

The Dean of the Hijjawi Faculty for Engineering Technology at Yarmouk University, Dr. Mohammad Alzubaidi, recently addressed the university community in a meeting organized by the university's news platform. During his address, Dr. Alzubaidi emphasized the distinguished status of the Hijjawi Faculty as one of the oldest and most prestigious engineering faculties in Jordan, recognized for its rich history and academic excellence.

Founded in 1984 through the support of the Hisham Adeeb Hijjawi Scientific Foundation, the Hijjawi Faculty has maintained its leadership in modern engineering education. Dr. Alzubaidi proudly noted that the faculty is known for its forward-thinking approach, offering specialized academic programs in emerging fields such as Smart Cities Engineering, Electronics and Robotics, and the Internet of Things (IoT).

"Our faculty is dedicated to providing modern, high-quality engineering education, ensuring our graduates are equipped with the skills needed for the future," Dr. Alzubaidi stated.

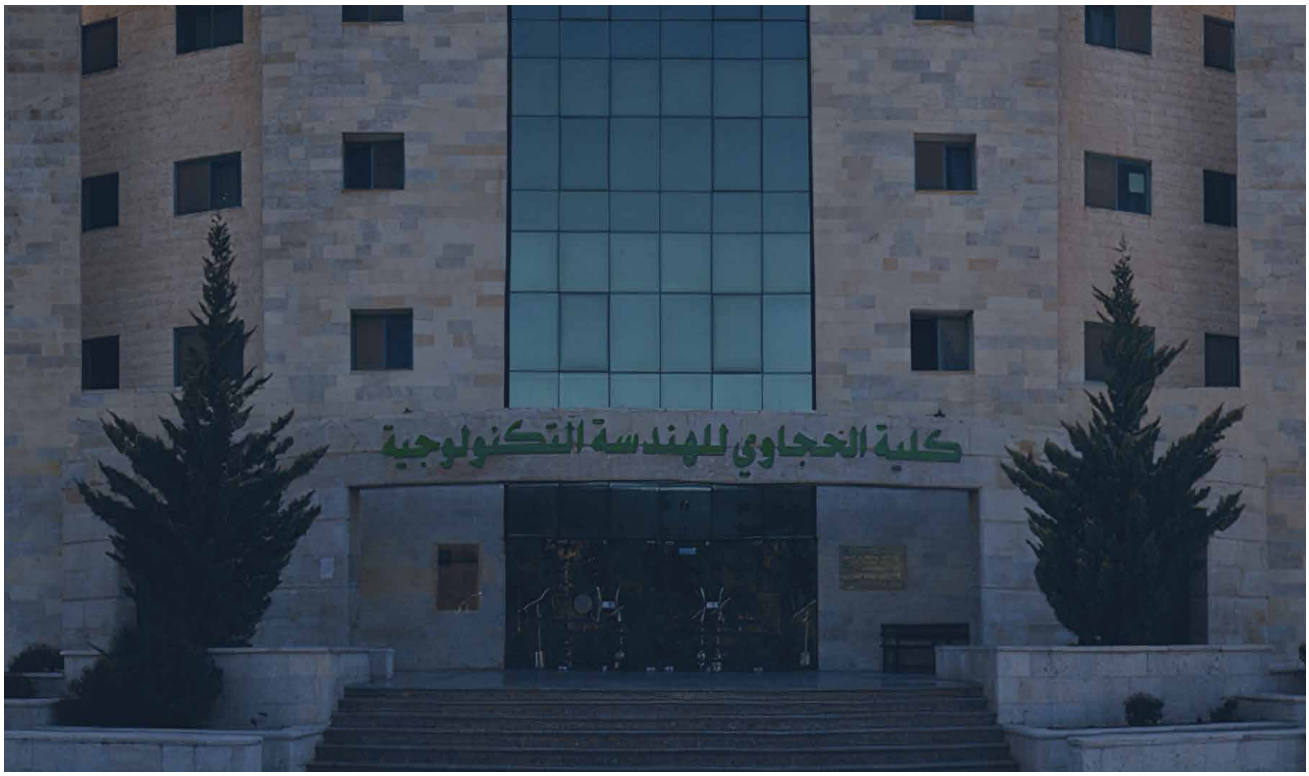
The faculty's reputation is further solidified by its impressive global rankings, with Yarmouk University being placed within the 601800- range in engineering disciplines according to Times Higher Education and QS rankings. Additionally, the faculty has secured ABET accreditation for seven of its academic programs, reflecting commitment to international standards and educational excellence.

Highlighting the importance of bridging academic knowledge with practical skills, Dr. Alzubaidi discussed the faculty's focus on building robust partnerships with the industrial sector and global companies. This strategy not only enhances students' hands-on learning but also provides valuable internship and career opportunities, preparing them for the global job market. He also pointed out that the faculty nurtures innovation and entrepreneurship through dedicated programs, enabling students to develop real-world engineering projects supported by business incubators.

To ensure students are well-prepared for evolving job markets, the faculty has made significant curriculum enhancements. One notable initiative is the introduction of the Artificial Intelligence in Engineering course as a mandatory subject for all majors. This course provides students with essential skills in machine learning, data analysis, and Python programming, fostering their ability to develop intelligent solutions in engineering contexts. Moreover, the faculty offers career development programs focused on project management, leadership, and communication skills, as well as practical workshops on resume writing and interview techniques. To boost international employability, students also have the opportunity to study foreign languages, including French, German, Spanish, Chinese, and Turkish.

Dr. Alzubaidi reiterated the faculty's commitment to continuous development and strategic collaboration with leading engineering companies. The aim is to offer students practical training and to close the gap between theoretical education and industry demands. He also highlighted the faculty's focus on applied research in areas such as smart cities, renewable energy, and artificial intelligence. These initiatives support sustainable development and economic growth, solidifying the faculty's role in advancing Jordan's engineering sector.

Concluding his address, Dr. Alzubaidi reaffirmed the faculty's vision to continue evolving as a leader in engineering education, fostering innovation, and preparing graduates to excel both locally and globally. The Hijjawi Faculty remains dedicated to upholding its legacy of excellence while embracing the future of engineering education.



Hijjawi Faculty for Engineering Technology Leads the Fourth Meeting of the RL4Eng Project in Zanzibar

The Hijjawi Faculty for Engineering Technology at Yarmouk University spearheaded the fourth meeting of the "Remote and Virtual Labs for Engineering Education in the Southern Mediterranean and Sub-Saharan Higher Education Institutions (RL4Eng)" project, funded by the European Union under the Erasmus+ program. The meeting was hosted at Zanzibar University in Tanzania as part of the ongoing efforts to enhance the role of universities in advancing engineering education and training in the Southern Mediterranean and Sub-Saharan regions through interactive, technology-driven learning environments.

The workshops witnessed the participation of 15 partner institutions from Jordan, Lebanon, Morocco, Tanzania, Spain, and Germany, with the goal of knowledge exchange, capacity building for faculty members, and enabling students to gain hands-on experience through remote and virtual labs.

The project management team from Yarmouk University, comprising Dr. Mohammad Alzubaidi, Dr. Dania Bani Hani, and Dr. Amin Jarrah from the Hijjawi Faculty for Engineering Technology, presented the university's pioneering role in the implementation of the project and its academic and practical significance for students.

It is noteworthy that Yarmouk University secured an €800,000 grant from the Erasmus+ program two years ago as the lead institution for the project. Through the Hijjawi Faculty for Engineering Technology, the university continues to oversee and coordinate its activities in collaboration with 15 partner institutions from Jordan, Lebanon, Morocco, Tanzania, Spain, and Germany.

Hijjawi Faculty for Engineering Technology Conducts a Working Visit to the Industry Partnership Office at Al-Hussein Technical University

As part of its continuous efforts for improvement and exchanging experiences with higher education institutions in Jordan, the Hijjawi Faculty of Engineering Technology, represented by the Dean, Prof. Mohammad Alzubeidi, conducted a working visit to Al-Hussein Technical University. The visit aimed to learn about the university's experience with the Industry Partnership Office and explore opportunities for experience exchange in this area, thereby enhancing the capabilities of the newly established Career Development Unit at the Hijjawi Faculty for Engineering Technology.

The visit also included Dr. Dania Bani Hani, Vice Dean of the Hijjawi Faculty for Engineering Technology. The visit featured an introduction to the experience of Al-Hussein Technical University in the Industry Partnership Office, showcasing the opportunities available for students in terms of field training, career development, student performance monitoring, and services aimed at increasing students' employment opportunities.

Furthermore, the discussions addressed the efforts made by the Hijjawi Faculty of Engineering Technology to focus on student career development, including career preparation courses, industrial certifications, language packages, the artificial intelligence in engineering course, and the duration and nature of field training at the faculty.

The visit also included discussions on the possibility of benefiting from Al-Hussein Technical University's experience in providing feedback on the content of career development courses and potential improvements, as well as leveraging the university's experience in organizing training workshops for students. Additionally, the potential to utilize the available courses on the university's platform to enhance students' extracurricular skills was explored.

Hijjawi Faculty Launches ASCE-YU: Yarmouk's New Student Chapter of the American Society of Civil Engineers

On February 27, 2025, Yarmouk University marked a major milestone in student engagement and professional development with the official inauguration of its new student chapter of the American Society of Civil Engineers (ASCE-YU), hosted by the Hijjawi Faculty for Engineering Technology.

Representing the University President, Vice President for Development and International Rankings, Dr. Mwaffaq Otoom, presided over the ceremony, alongside the Mayor of Greater Irbid, Dr. Nabil Kofahi, and Dean of the Hijjawi Faculty, Dr. Mohammad Alzubaidi.

In his address, Dr. Otoom emphasized that such student-led initiatives reflect Yarmouk University's strong commitment to building bridges of scientific and research collaboration—both locally and globally. He underscored the importance of empowering students with advanced technical knowledge and practical skills to compete confidently in local and international markets.

He also highlighted the university's responsibility to foster innovation, support students' creative potential, and instill a spirit of entrepreneurship, enabling them to become proactive contributors to national development and scientific progress.

Dr. Kofahi, a proud alumnus of the Hijjawi Faculty (both undergraduate and graduate levels), expressed his admiration for the university's lasting impact on Irbid City and its continued contribution to scientific research and societal development. He called for deeper collaboration between the university and the municipality to address community challenges through applied research, student projects, and academic theses.

Dr. Alzubaidi noted that the launch of the ASCE student chapter at Yarmouk represents a significant step toward strengthening students' global presence within the engineering community. He affirmed the Hijjawi Faculty's vision of innovation, excellence, and preparing future engineers to meet evolving industry demands.

"Our faculty has always been a hub of creativity and academic excellence," Dr. Alzubaidi said. "This initiative connects academic learning with real-world engineering practice, enhancing our students' readiness for professional success."

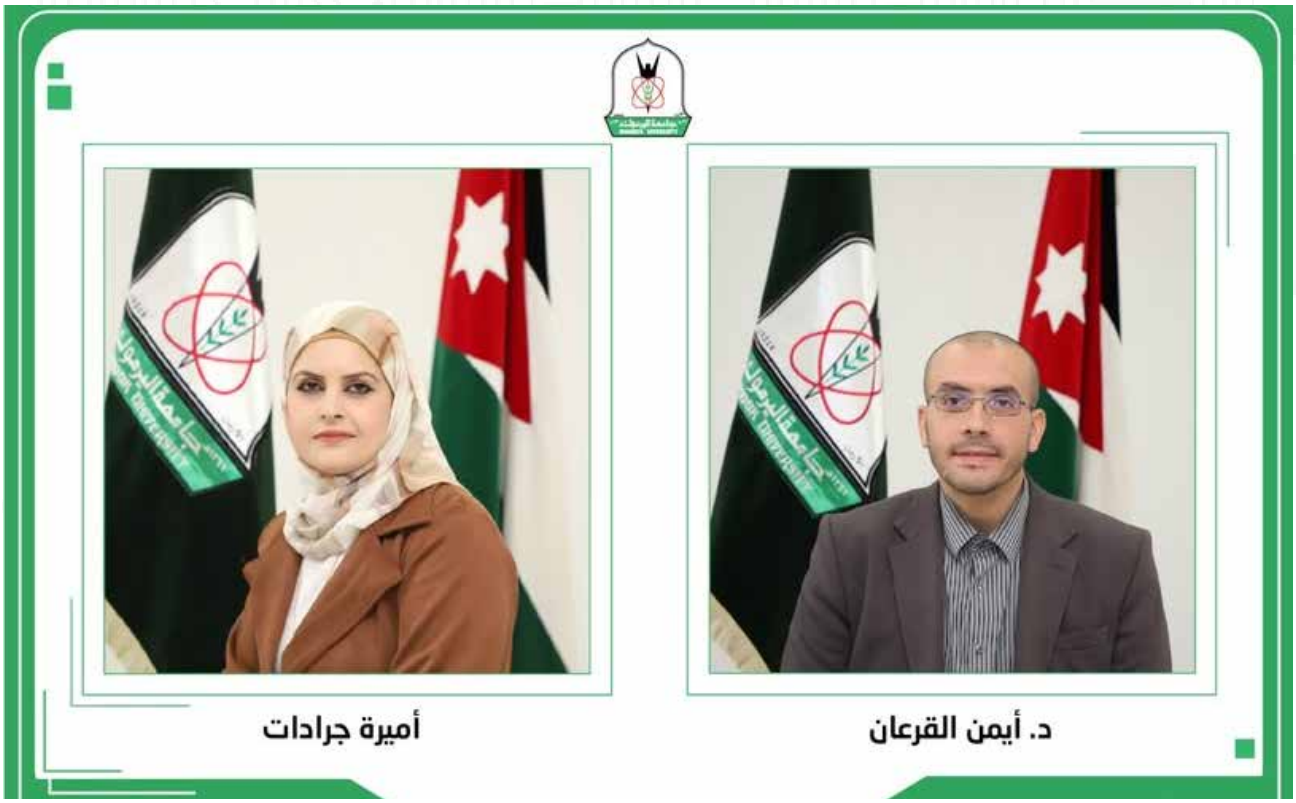
Dr. Mohammad Al-Tamimi, faculty member and Chapter Advisor, announced that ASCE-YU is the first ASCE student chapter in northern Jordan, and only the second across the Kingdom. He explained that the chapter will open doors for students to access cutting-edge research and technologies in infrastructure, sustainability, project management, and structural design. It will also enable participation in international competitions, specialized workshops, and scientific conferences with leading experts from around the world.

Hijjawi Faculty Participated in Celebrating International Women's Day at Yarmouk University

The Women in Engineering Affinity Group, Yarmouk University branch supervised by Dr. Yusra Obeidat, Head of the Electronics Engineering Department, organized an event titled "Women in STEM" in collaboration with the Princess Basma Center for Women's Studies and the Arab Cities Cultural Work Group, in celebration of International Women's Day. The event aimed to highlight the role of female engineers, scientists, and specialists in technology, emphasizing that women are not only part of the future but are leading it towards new horizons.

The event featured a discussion session titled "Women n STEM" with participation from Prof. Hiyam Al-Qara'an from the Hijjawi Faculty for Engineering Technology, Prof. Sana'a Al-Odat and Porf. Sharifa Al-Sharif from the Faculty of Science, and Prof. Sawsan Shatnawi from the Faculty of Information Technology and Computer Science.

Hijjawi Faculty for Engineering Technology Announces the Winners of the 2024 / 2025 Excellence Awards



The Hijjawi Faculty for Engineering Technology has announced the winners of its Annual Excellence Awards for the 2024 / 2025 academic year, recognizing outstanding contributions from faculty members and administrative staff.

This year, the Best Researcher Award was granted to Dr. Ayman Al-Qar'an from the Department of Electrical Power Engineering, in recognition of his distinguished research contributions. Meanwhile, the Best Administrative Employee Award was presented to Ms. Ameera Jaradat from the Deanship Office, honoring her exceptional efforts in administrative support and operational excellence.

In his remarks, Dean of the Faculty, Dr. Mohammad Alzubaidi, emphasized that these awards reflect the faculty's commitment to fostering a culture of excellence and continuous improvement. He highlighted that such initiatives play a vital role in encouraging faculty members and staff to enhance their skills and capabilities, ultimately contributing to the advancement of engineering education and technological innovation.

Hijjawi Faculty remains dedicated to academic and administrative excellence, continuously supporting talent and innovation to strengthen its leading role in engineering and technology development in Jordan and beyond.

Discussing a Potential Collaboration Between Oakland University and Hijjawi Faculty of Yarmouk University

As part of ongoing efforts to foster international academic collaboration, a discussion was held regarding a potential partnership between Oakland University in the United States and Yarmouk University in Jordan. This initiative aims to strengthen academic and research ties, facilitate faculty and student exchange programs, and explore joint research opportunities in various engineering and technology fields.

Representing Hijjawi Faculty for Engineering Technology, Dean Dr. Mohammad Al-Zubaidi participated in the discussions, highlighting Yarmouk University's commitment to expanding its global network and engaging in meaningful partnerships that contribute to academic excellence.

The discussions focused on establishing collaborative research projects, developing dual-degree programs, and enhancing knowledge exchange between faculty and students. Both institutions expressed interest in leveraging their expertise to create a mutually beneficial framework that supports innovation and technological advancements.

This potential collaboration underscores Hijjawi Faculty's dedication to internationalization and academic development, ensuring that students and faculty benefit from global perspectives and cutting-edge research opportunities.

Delegation from the Jordan Design and Development Bureau Visits Hijjawi Faculty to Strengthen Research and Applied Collaboration

The Hijjawi Faculty for Engineering Technology at Yarmouk University recently welcomed a delegation from the Jordan Design and Development Bureau (JODDB). The visit aimed to enhance research and applied collaboration between the two institutions and explore new avenues of cooperation in engineering, technology, and industrial applications.

The JODDB delegation was led by Eng. Radi Al-Waradat, Head of the Applied Research and Scientific Cooperation Department, accompanied by Major Ahmed Al-Tarawneh, Eng. Nidal Al-Qawabeh, Captain Eng. Mohammad Al-Najjar, Eng. Moataz Al-Attin, Eng. Zaid Al-Saabi, Eng. Ahmad Al-Deek, and Eng. Mahdi Al-Ghuraibi. They were welcomed by the college's administrative team, represented by Vice Deans Dr. Zaid Bataineh and Dr. Dania Bani Hani, Assistant Dean Dr. Mohammad Al-Tamimi, as well as several faculty members, including Dr. Faleh Al-Tal, Dr. Amjad Al-Sakarneh, Dr. Mosab Abu Al-Adous, Dr. Mohammad Al-Samadi, Dr. Sharif Abdul-Razzaq, Dr. Faisal Al-Shalabi, Dr. Ammar Al-Rousan, Dr. Mahmoud Masadeh, Eng. Fares Mashaqbeh, Dr. Ayman Al-Zeyout, Dr. Yusra Obeidat, and Dr. Bara'a Khattabih.

The visit began with an introductory meeting where the faculty's academic programs and major research and applied projects were presented. Discussions focused on potential collaboration opportunities in fields such as mechanical engineering, electrical engineering, computer engineering, and artificial intelligence to develop innovative technical solutions that support the industrial sector in Jordan.

Following the meeting, the delegation took a field tour of the Hijjawi Faculty's facilities and laboratories, where they observed modern equipment, research labs, and engineering workshops used for student training and applied research projects. The visit also included extensive discussions on potential joint research projects, internship opportunities for Hijjawi students at JODDB, and the possibility of holding specialized technical workshops to facilitate knowledge exchange between researchers and engineers from both sides.

Yarmouk University Approves "Shobakshi Scientific Excellence Scholarship" to Support Outstanding Medical and Engineering Students

The Yarmouk University Council of Deans, in its recent session chaired by University President and Council Chairman Dr. Islam Massad, approved the "Shobakshi Scientific Excellence Scholarship", which aims to support seven students annually by covering their tuition fees and registration costs for one academic year. The scholarship will be announced at the beginning of the second semester each year.

According to the scholarship criteria, undergraduate students enrolled in the following programs are eligible to apply: Doctor of Medicine, Computer Engineering, Computer Engineering/Internet of Things, Communication Engineering, and Civil Engineering. The distribution of the scholarship will be as follows:

Group 1: Three students from the Doctor of Medicine program

Group 2: Two students from Computer Engineering and/or Computer Engineering/Internet of Things

Group 3: Two students from Communication Engineering and/or Civil Engineering

To qualify, applicants must be enrolled in the regular program, not be in their first or final year, not be recipients of any other scholarship, maintain a GPA of at least "Very Good", and demonstrate good conduct and behavior.

Dr. Islam Massad, President of Yarmouk University, emphasized that supporting students through financial aid and scholarships remains a top priority for the university. He highlighted the importance of expanding partnerships with various institutions and individuals to achieve Yarmouk's mission of education, research, and community service.

Hijjawi Faculty Hosts Pioneers in Digital Twin Technology for Sustainable WEFE Nexus Management

As part of Hijjawi Faculty's ongoing commitment to advancing sustainability through digital innovation, we recently welcomed Victoria Cotella and Dr. Izni Zahidi (DEng, MIEM, PEng) for a dynamic series of discussions and presentations focused on the transformative potential of Digital Twin technology.

These sessions were held under the umbrella of the project titled "Leveraging Digital Twins for Community-Driven Sustainable WEFE Nexus Management," funded by the Royal Academy of Engineering. The initiative is a collaborative effort between Jordan and Malaysia, aiming to develop data-driven solutions that enhance climate resilience, optimize resource efficiency, and empower community-led decision-making.

The visit featured insightful exchanges on pioneering research, hands-on demonstrations of laboratory capabilities from the Hijjawi Faculty for Engineering Technology, and strategic dialogue around interdisciplinary collaboration pathways.

Looking ahead, the project will continue to serve as a driving force in promoting sustainable urban development by advancing cutting-edge digital twin models and fostering inclusive stakeholder engagement across sectors.

Hijjawi Faculty Participates in Launch of "Intaliq" Graduation Project Award

Faculty members from the Hijjawi Faculty for Engineering Technology took part in the official launch ceremony of the "Intaliq" Graduation Project Award, organized by Al-Hussein Fund for Excellence and hosted by Jordan University of Science and Technology on Sunday. Representing the faculty were Dr. Amjad Abu Baker, Dr. Mohammad Al-Tamimi, and Dr. Hiyam Al-Quraan. Their participation reflects the faculty's active engagement in national initiatives that promote innovation and entrepreneurship among university students and support the integration of scientific research with real-world applications.

The "Intaliq" Award aims to encourage students across Jordanian universities to develop creative and impactful graduation projects that address local and global challenges while contributing to the advancement of the national economy. The award also fosters collaboration between academic institutions and various sectors, aligning with the vision of sustainable development. Through their presence, the participating Hijjawi faculty members reaffirmed the college's commitment to empowering students and supporting platforms that transform ideas into practical, high-impact solutions.

Launch of the "Engineering Skills Analysis Initiative for Graduating Engineers" at Hijjawi Faculty with the Visit of Eng. Ihsan Zaytoun

The Career Development Unit at the Hijjawi Faculty for Engineering Technology at Yarmouk University, in collaboration with the Engineering Group Consulting Association (EGCA), has launched the "Engineering Skills Analysis Initiative for Graduating Engineers." The initiative aims to assess and analyze the most in-demand and stagnant skills in the local and regional job markets, in order to enhance graduates' employability and better align their capabilities with market needs.

The launch was marked by a visit from Eng. Ihsan Zaytoun to the faculty on Wednesday, in the presence of the Dean of the Faculty, several faculty members, and a large number of students. During the session, the objectives and implementation plans of the initiative were presented and discussed.

The initiative will involve 10 student research teams, each consisting of 5 students, who will carry out surveys and field research under the supervision of an academic committee. The top three studies will receive financial and material prizes, and all participating students will be awarded certificates.

In his remarks, Eng. Zaytoun emphasized the importance of bridging the gap between academic education and job market demands. He praised Hijjawi Faculty's proactive approach in launching practical initiatives that empower students and guide them toward successful career paths.

The initiative will include distributing digital and field questionnaires, analyzing the collected data, and publishing the results to help students make better-informed career decisions.

Electronics Engineering Department Faculty Members Meeting

The first meeting of the faculty members in the Electronics Engineering Department was convened immediately following the conclusion of the department council meeting. This significant gathering took place on the first official working day of the second semester of the 2024-2025 academic year. The primary purpose of the meeting was to bring together all faculty members to discuss essential academic, administrative, and research-related matters that would shape the department's direction for the upcoming semester.

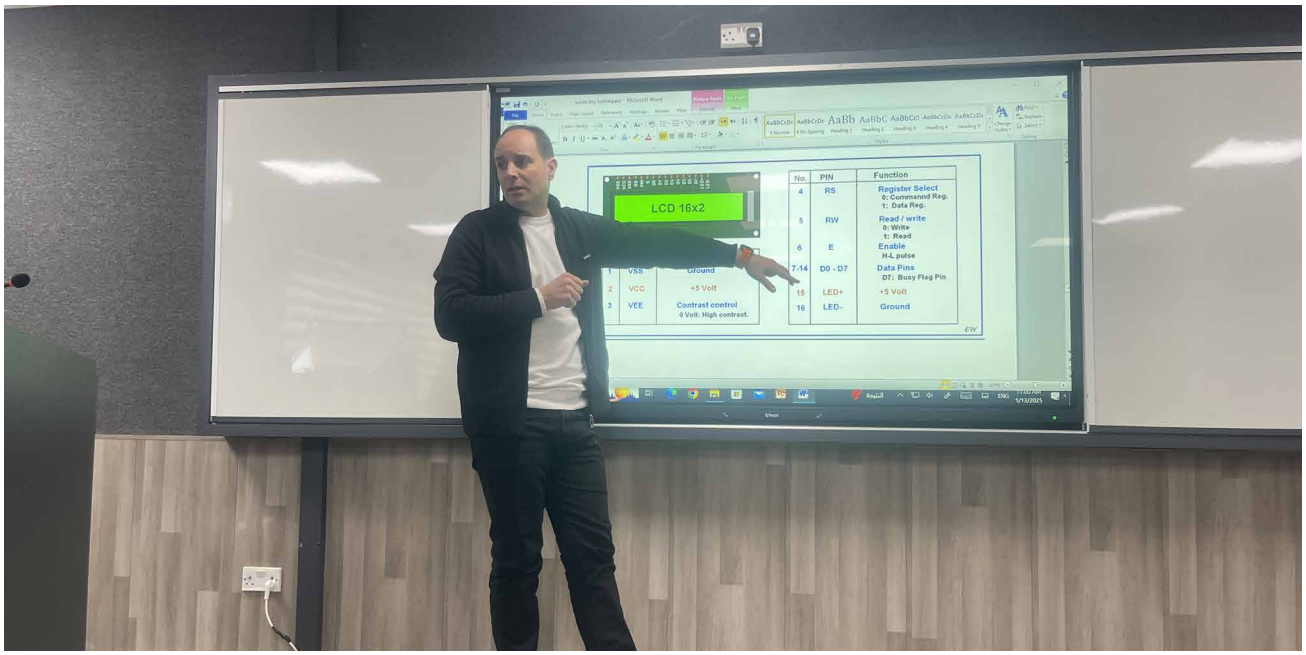
During the meeting, various topics were addressed, including curriculum updates, ongoing and future research initiatives, laboratory and facility improvements, student performance and mentoring strategies, as well as upcoming conferences and academic events. Faculty members were encouraged to share their insights, propose new ideas for enhancing the department's academic standards, and collaborate on interdisciplinary research projects.

Additionally, discussions covered important policy updates, teaching methodologies, and ways to incorporate emerging technologies into the curriculum to better equip students with the skills required in the rapidly evolving field of electronics engineering. The department head emphasized the significance of teamwork, innovation, and continuous improvement to maintain the department's reputation for excellence in both education and research.

The meeting concluded with an open forum where faculty members had the opportunity to voice their concerns, ask questions, and provide feedback on departmental policies and initiatives. It set a collaborative tone for the semester ahead, reinforcing the department's commitment to fostering a dynamic and progressive academic environment.

Introductory Workshop on Electronics Basics and Practical Skills for Creativity Team

The Department of Electronics Engineering organized an introductory workshop on the basics of electronics and practical skills for the department's Creativity Team students, under the supervision of the Head of the Department, Dr. Yusra Obeidat. The workshop was presented by Eng.Ali Al-Hajji through a presentation in which he explained the fundamentals of electronics, sensors and their use in practical experiments, an introduction to Arduino, and how to implement it in building projects and controlling electronic devices.



Hijjawi Faculty for Engineering Technology Students Participate in AI Skills Workshop

A group of students from the Hijjawi Faculty for Engineering Technology at Yarmouk University participated in a workshop organized by the International Telecommunication Union (ITU) in collaboration with Ernst & Young (EY), under the auspices of the Ministry of Digital Economy and Entrepreneurship, titled "AI Skills."

This participation reflects the faculty's ongoing efforts to empower students and enhance their skills in artificial intelligence and modern technology. The workshop featured the involvement of students Raneem and Sarah Al-Badr, specializing in Computer Engineering and the Internet of Things, along with Dr. Mohammad Tamimi and Dr. Ammar Al-Shannaq from the Department of Civil Engineering.

The event included lectures and interactive workshops delivered by experts in artificial intelligence, in addition to hands-on training sessions aimed at strengthening analytical thinking and logical reasoning skills among participants, encouraging them to explore career opportunities in this rapidly growing field.

This participation underscores Hijjawi Faculty's commitment to equipping students with the essential skills needed to keep pace with technological advancements and to foster their role in driving innovation and technological development both locally and globally.

Electronics Engineering Department Outreach: Inspiring Future Engineers at Kafrsom Secondary School for Girls

The Electronics Engineering Department organized a visit to Kafrsom Secondary School for Girls under the supervision of Dr. Yusra Obeidat, Head of the Department.

The visit aimed to raise awareness among tenth-grade students about the academic tracks they will choose in high school.

During an interactive and engaging session, Dr. Yusra Obeidat spoke with the tenth-grade students about the importance of engineering, its various fields, and its applications in everyday life. She encouraged the students to select their future specialization based on a clear understanding of the field's demands, aligning it with the scientific foundation they have built in secondary school, their personal interests, and their desired future career paths.

Students from the Electro-Infinity team in the Electronics Engineering Department, delivered a presentation about engineering, its specializations, and real-life examples.

Additionally, female students from the Women in Engineering Affinity Group at Yarmouk University presented an overview of the group's activities and events. Their talk included motivational insights to inspire the students to pursue engineering, showcasing several projects created by female members of the society.

The event also featured a live demonstration of some engineering projects presented by Electronics Engineering students.

The session concluded with a Q&A session, where Dr. Yusra and the participating students addressed the students' inquiries.

At the end of the visit, Dr. Yusra thanked the school principal and teachers for their warm reception and excellent organization of the event. The principal expressed her interest in coordinating future hands-on workshops aimed at BTEC students to help refine their skills and encourage them to pursue practical career paths.

WIE-Yarmouk University Branch Executive Meeting: Strategizing Activities for the Year

The Women in Engineering (WIE) Affinity Group, Yarmouk University branch, held an executive meeting under the supervision of Dr. Yusra Obeidat, Head of the Electronics Engineering Department, to discuss and finalize the group's strategic plan for the current academic year. The meeting aimed to establish a clear roadmap for initiatives that would empower female engineers, strengthen industry connections, and enhance community engagement.

During the session, the group outlined plans to organize technical and professional development workshops tailored to equip female engineering students with essential skills, leadership training, and industry insights. Additionally, the WIE-Yarmouk branch emphasized the importance of collaboration by seeking partnerships with engineering firms, academic institutions, and nonprofit organizations to provide students with mentorship, networking opportunities, and exposure to real-world engineering challenges.

The group also decided to arrange field visits to engineering companies, allowing students to gain hands-on industry experience and understand the latest technological advancements. As part of its outreach efforts, the group planned initiatives targeting young girls in schools to inspire them to pursue careers in engineering through motivational talks and interactive STEM activities. Furthermore, they proposed community service visits to orphan centers, where engineering students would volunteer and introduce children to basic engineering concepts in an engaging way.

The meeting was attended by the student leadership team of the WIE-Yarmouk branch, who actively participated in discussions and contributed valuable ideas. Their enthusiasm and dedication reinforced the group's commitment to creating an inclusive, supportive environment for female engineers and making a lasting impact both within the university and the broader community.

Department of Civil Engineering Establishes Advisory Council to Enhance Engineering Education

In a strategic move aimed at enhancing the quality of engineering education and aligning academic programs with market needs, the Department of Civil Engineering at the Hijjawi Faculty for Engineering Technology has established an Advisory Council composed of leading experts and professionals in the field of civil engineering. This initiative is part of the department's continuous efforts to develop curricula, strengthen students' practical skills, and ensure that graduates are well-equipped to meet the evolving demands of the engineering industry.

The Advisory Council includes distinguished professionals from the engineering sector, among them:

- Eng. Moen Al-Rabadi – Director of Irbid Public Works
- Eng. Ihsan Zeitoun – Civil Engineer Specialist
- Eng. Basma Al-Othman – Engineer at Irbid Electricity Company
- Eng. Rima Talfah – Director of Idoun Region
- Eng. Mohammad Al-Adwan – Director of Manaseer Concrete Factory – Irbid Branch
- Dr. Wajih Al-Qasim – Former Faculty Member, Department of Civil Engineering

During the first meeting of the Advisory Council, several faculty members from the department attended, including Dr. Musab Abu Al-Adous, Dr. Faisal Al-Shalabi, Dr. Yaser Jaradat, Dr. Hashim Matarneh, Dr. Mohammad Tamimi, and Dr. Fares Matalqa. The discussions focused on updating curricula, enhancing students' practical skills, and developing internship and employment opportunities.

The attendees emphasized the integration of modern technologies into academic programs and strengthening collaboration between the faculty and both public and private sectors through workshops and strategic partnerships, ensuring that graduates are well-prepared to compete in the job market.

Bridging Engineering and Medicine: Launch of the ENG-MED Research Group

Led by Dr. Mutaz Dwairy, the ENG-MED AI Research Group has been officially launched as a multidisciplinary research initiative, bringing together faculty members and students from the Faculties of Medicine and Engineering. The group is dedicated to advancing healthcare research, with a special focus on cancer diagnosis and treatment optimization.

Mission and Objectives

• Drive impactful research: Conduct innovative studies in computational and biomechanical modeling, AI applications in oncology, and treatment optimization strategies.

• Foster interdisciplinary collaboration: Bridge the gap between medical and engineering disciplines to develop new solutions for complex healthcare challenges.

• Engage students and faculty: Promote active involvement of students and researchers across diverse fields, fostering a collaborative and innovative academic environment.

Members

1. Dr. Mutaz Dwairy: Assistant Professor, Faculty of Engineering – Yarmouk University, Specializing in computational and biomechanical modeling of solid tumor growth and cancer mechanics.

2. Dr. Hiba Alzoubi: Assistant Professor, Faculty of Medicine – Yarmouk University, Specializing in medical education and on the histopathological and molecular characterization of various cancers and diseases.

3. Dr. Rashed Shatnawi: Associate Professor, Faculty of Medicine – Yarmouk University, Specializing in postmortem interval estimation, age and sex estimation, and ancestry analysis, blending traditional forensic methods with AI.

The ENG-MED AI Research Group is open for collaboration and welcomes researchers and students interested in contributing to computational and AI-based healthcare innovation.

For inquiries or to express interest in joining: Dr. Mutaz Dwairy's Email: mdwairy@yu.edu.jo

Hijjawi Faculty Shines at "Archi-Talks" with Innovative Architectural Projects

The Department of Architecture at the Hijjawi Faculty for Engineering Technology, Yarmouk University, participated in the "Archi-Talks" event, organized by the Jordan Engineers Association at the Al Hussein Cultural Center on Saturday, January 4, 2025. The event featured engaging discussions on key challenges and opportunities in the field of architecture, covering topics such as the role of artificial intelligence in design and education, sustainability and green building, and architectural identity in modern cities.

A highlight of the event was the student project exhibition, which showcased creative works by fourth- and fifth-year architecture students. Yarmouk University's exhibition stand stood out for its diverse and innovative projects, including pioneering concepts such as utilizing agricultural waste in developing eco-friendly insulation materials for buildings. The displayed projects also featured designs from architectural design courses, urban design, and site planning, reflecting students' skills, creativity, and commitment to addressing contemporary architectural challenges.

The students were accompanied by Dr. Bara'a Al-Khattatbeh, Head of the Department of Architecture, alongside Dr. Zaid Al-Deek and Engineer Samia Ayoub. Dr. Al-Khattatbeh praised the exceptional talents and high-quality projects of the students, emphasizing the department's dedication to fostering innovation and creativity.

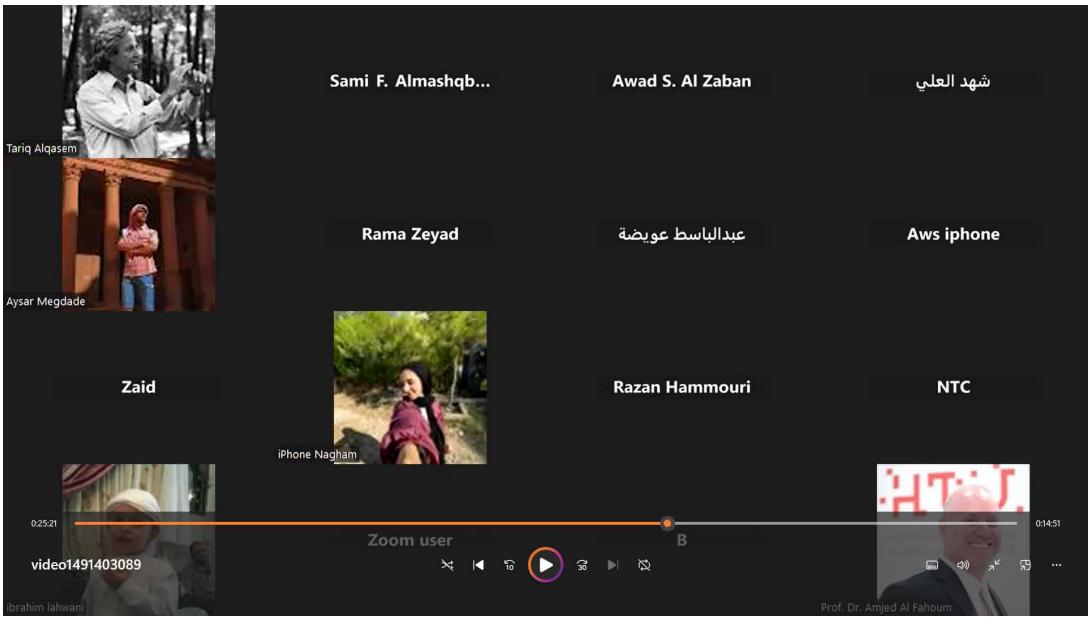
This event provided a unique platform for Yarmouk University students to showcase their talents and represent their university in a dynamic and inspiring environment. Their participation demonstrated their ability to push creative boundaries and contribute to the future of architecture through sustainable and innovative solutions.

"Students' Guide to Academic Success: Lessons from Biomedical Engineering Faculty Members

The Department of Biomedical Systems and Informatics Engineering recently organized an insightful online lecture for its first, second, and third-year students, titled **"Maximizing the Benefits of Your Study Years."** The session aimed to equip students with essential strategies to optimize their academic journey, focusing on effective study techniques, time management skills, networking opportunities, and the significance of engaging in extracurricular activities. The lecture was attended by prominent faculty members, including the department head, Engineer Sami Almashaqbeh, Professor Awad Al-Zabin, Professor Amjad Al-Fahoum, and Dr. Atika Khader. Each speaker brought valuable perspectives and shared their experiences, offering practical advice on how students can enhance their learning, set academic and career goals, and maintain motivation throughout their studies.

To encourage an interactive and engaging atmosphere, students were invited to actively participate, ask questions, and share their thoughts. The session provided a platform for open discussion, allowing students to seek guidance on challenges they face and gain firsthand insights from experienced faculty members. The importance of personal development, networking with peers and professionals, and staying committed to continuous learning was also emphasized.

Overall, the lecture was well-received by students, who left with a clearer understanding of how to navigate their university years effectively. The department remains committed to organizing similar sessions in the future to support students in their academic and professional growth.

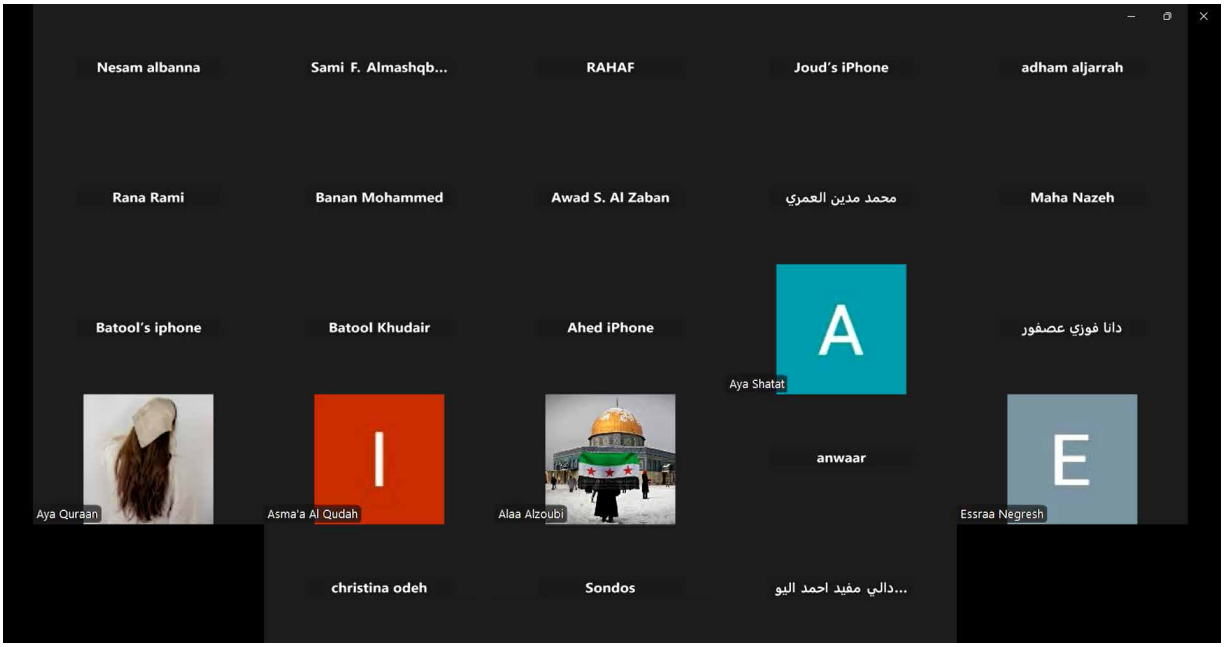


The Department of Biomedical Systems and Informatics Engineering Organized a Lecture Entitled" Preparing Students for the Biomedical Engineering Job Market"

The Department of Biomedical Systems and Informatics Engineering recently organized a lecture titled "Preparing Students for the Biomedical Engineering Job Market." This session was designed to equip students with the knowledge and skills necessary to transition from academia to the professional world successfully. The lecture covered key topics such as industry trends, required technical and soft skills, job market demands, and career pathways available for biomedical engineering graduates. Experts from academia and industry shared their insights on the evolving landscape of biomedical engineering and the competencies that employers seek in new graduates.

During the session, speakers emphasized the importance of hands-on experience through internships, research projects, and practical training. They highlighted how students can enhance their employability by developing strong problem-solving abilities, staying updated with emerging technologies, and acquiring interdisciplinary skills that bridge engineering with healthcare. Additionally, the discussion included strategies for crafting strong résumés, preparing for job interviews, and leveraging professional networking opportunities to secure positions in various sectors such as medical device companies, hospitals, research institutions, and regulatory agencies.

The lecture was well-received by students, who actively participated by asking questions and engaging in discussions with the speakers. Many found the session valuable in clarifying their career goals and understanding the steps needed to enter the competitive job market. The department expressed its commitment to continuing such initiatives to support students' professional growth and ensure they are well-prepared for successful careers in biomedical engineering.



Students Activities

Chairman of the Hijjawi Scientific Foundation Meets Hijjawi Faculty Students

The Chairman of the Hisham Adeeb Hijjawi Scientific Foundation, Eng. Ayman Hijjawi, met with students of the Hijjawi Faculty for Engineering Technology at Yarmouk University, in the presence of the Dean of the Faculty, Prof. Mohammad Alzubaidi, and the University Vice President, Prof. Mwaffaq Otoom, along with several faculty and administrative staff members.

During the meeting, Eng. Hijjawi engaged in an open discussion with the students about their career aspirations and future goals, emphasizing the importance of having a clear vision and working diligently to achieve it. He stated, "Everything is possible, but we must know what we want."

Prof. Otoom emphasized the importance of such vibrant and inspiring interactions in motivating students and enhancing their sense of purpose, while reaffirming the university's commitment to continuously developing the faculty and improving the overall quality of education.

Prof. Alzubaidi also highlighted the college's dedication to building strong connections with industry leaders and alumni, which contributes to producing well-qualified and career-ready graduates.

As part of his visit, Eng. Hijjawi toured the Career Development Unit at the faculty, where he was briefed on the services and training opportunities provided to students to prepare them for the labor market. He expressed his admiration for the college's initiatives aimed at empowering students and encouraging professional excellence.

The students expressed their gratitude for the opportunity to engage with such a successful and inspiring figure. They actively participated in the discussion, reflecting their enthusiasm and drive for positive change and growth.


وحدة التأهيل الوظيفي
Career Development Unit


IEEE

Hijjawi Faculty for Engineering Technology Hosts Ramadan Iftar Gathering for its Students

On Tuesday, March 25, 2025, the Hijjawi Faculty for Engineering Technology at Yarmouk University organized a Ramadan Iftar gathering under the patronage of the Faculty Dean and in collaboration with several student volunteer teams.

The event brought together the Dean of the Faculty, Dr. Mohammad Alzubaidi, a number of faculty and administrative members, and a large turnout of students from various academic levels and disciplines, in a warm and welcoming atmosphere.

Following the Iftar, the evening continued with engaging interactive segments, including entertaining religious Q&A sessions and fun competitions.

In his remarks, Dr. Alzubaidi highlighted the importance of such events in strengthening the bonds among members of the faculty and enhancing the spirit of unity and connection between students and staff. He also praised the students' initiative and team spirit in organizing the event.

Students expressed their happiness at taking part in a meaningful gathering that blended spirituality, knowledge, and joyful interaction in the spirit of Ramadan.

Electro Infinity Team Organizes Ramadan Iftar for Orphans

In a touching display of compassion and community spirit, the Electro Infinity team from the Department of Electronics Engineering at the Hijjawi Faculty organized a special Ramadan Iftar for orphans on Wednesday, March 19, 2025.

The event took place at Irbid City Center, where the team warmly welcomed the children upon arrival. The evening began with a variety of fun and engaging games designed to bring joy and smiles to the children's faces.

As the call to prayer marked the time for iftar, the team and children gathered together to enjoy a warm and friendly meal, sharing laughter and kindness in the true spirit of Ramadan.

Before the children departed, each one was gifted a special present as a token of love and remembrance. The joy and happiness on the children's faces made it a truly unforgettable day—one filled with generosity, connection, and meaningful impact.

"Moonlight Guardians: Iftar for Orphans" -IEEE AESS YUSB Spreads Joy in Ramadan

On the 15th night of Ramadan, the IEEE AESS YUSB team organized a heartwarming Iftar for orphaned children, titled "Moonlight Guardians". The event took place under the supervision and presence of Dr. Ola Al-Taani, Advisor of the Aerospace and Electronic Systems Society at Yarmouk University, and was led by Community Chairperson Hassan Abu Sarris, alongside his dedicated team.

With the participation of compassionate volunteers, the team worked tirelessly to prepare the Iftar table and create a warm, joyful atmosphere for the children. Laughter and excitement filled the air as the young guests enjoyed a delicious meal, followed by a series of fun and engaging activities designed to bring smiles to their faces.

This initiative was more than just a meal—it was a moment of connection, care, and community spirit, reinforcing the values of giving and solidarity.

Steel Team Hosts Ramadan Iftar for Children in Collaboration with Al-Sareeh Orphan Center

On Wednesday, March 27, 2025, Steel Team organized a charitable Ramadan Iftar that brought together team members and a group of children, under the supervision of Dr. Mohammad Al-Tamimi, the team's advisor, and Dr. Moath Abu Qamar and Dr. Ammar Al-Shannaq.

The Iftar was held in collaboration with the Al-Sareeh Orphan Center, and was filled with an atmosphere of love, compassion, and community spirit—aiming to bring joy and warmth to the children during the holy month of Ramadan.

The event included various fun and engaging activities such as sports games, entertainment segments, face painting, and the distribution of gifts and prizes to the children.

The children expressed their happiness and excitement, while team members and faculty supervisors highlighted the importance of such initiatives in promoting social responsibility and volunteerism among students.

Computergy Team Organizes Ramadan Iftar for Orphaned Children

On Tuesday, March 25, 2025, Computergy Team from the Computer Engineering Department at the Hijjawi Faculty for Engineering Technology - Yarmouk University, organized a special Ramadan Iftar for orphaned children, as part of the team's social outreach initiatives aimed at promoting generosity and compassion during the holy month of Ramadan.

The team welcomed the children at Parx Playground, where the event began with a series of fun games and interactive activities that brought joy and excitement to the young guests. As Maghrib approached, everyone gathered around the Iftar table in an atmosphere filled with warmth and kindness.

The evening concluded with cheerful entertainment segments, followed by the distribution of special gifts to each child as they departed, leaving behind smiles and heartfelt memories.

Team members expressed their deep happiness in being part of this touching experience.

Architectural Engineering Department Strengthens Bonds Through Annual Iftar Gathering

In a warm atmosphere filled with fellowship, the "Cluster" team from the Architectural Engineering Department organized a memorable group iftar on March 12th. The event brought together current students, alumni, and instructors from the department, creating a reunion that showed the close family-like bonds shared by all members of the Architectural community.

More than a traditional meal, the iftar was a celebration of connection and shared experiences. The evening featured a delightful mix of friendly conversations and fun competitions that filled the space with laughter and joy. These activities not only strengthened existing relationships but also helped form new connections between different generations of architects who share the same academic background.

The event's success underscored the department's commitment to fostering lifelong connections that blend professional networking with personal friendships.

"Cluster" Team Organizes Inspiring Iftar for Children with Cancer and Down Syndrome

During the holy month of Ramadan in 2025, "Cluster" student team from the Architectural Engineering Department, in collaboration with the Al-Hadaf Society, organized a heartwarming charitable iftar for children battling cancer and those with Down syndrome. The event, held at City Center Irbid, brought together 35 children and their families, creating an atmosphere of joy, compassion, and solidarity.

The gathering went beyond a traditional iftar, featuring a variety of engaging activities, including interactive games, creative workshops, and entertainment shows tailored to bring smiles to the young attendees. Each child received special gifts, adding to the festive spirit of the occasion. The event was made possible through the dedicated efforts of the "Cluster" team members, alongside volunteers from different academic disciplines and universities, all united in their mission to make a meaningful difference.

"Basmat Khair" Campaign by Arch Aid Team at Yarmouk University's Department of Architectural Engineering

As part of fostering the spirit of generosity and social solidarity, the Arch Aid team in the Department of Architecture at Hijjawi Faculty of Engineering – Yarmouk University launched a Ramadan campaign titled "Basmat Khair", which means "Mark of goodness" to support underprivileged families during the holy month.

This initiative embodied values of compassion and community support, as team members collected and prepared food parcels containing essential supplies and distributed them to families in need during the last ten nights of Ramadan, bringing relief and kindness during these blessed days.

Students and volunteers dedicated their efforts to gathering donations, assembling the parcels, and ensuring their delivery to the beneficiaries. Through these efforts, the campaign successfully reached more than 12 families, reinforcing its societal impact.

IEEE EMBS Organized the "Saqya Al-Khair" Initiative

With a spirit of generosity and community solidarity, the IEEE Engineering in Medicine and Biology Society (EMBS) Student Chapter successfully organized the "Saqya Al-Khair" initiative. This heartfelt activity aimed to support fasting individuals by distributing water and dates before Iftar, ensuring they could break their fast with ease and comfort. The initiative was carried out with enthusiasm, as volunteers gathered to hand out these essential items at key locations, fostering a sense of togetherness and kindness during the holy month of Ramadan.

The success of this initiative was made possible by the dedication of volunteers, donors, and supporters who contributed their time and resources to make a meaningful impact. The activity not only provided physical nourishment but also spread warmth, joy, and a sense of unity within the community. Seeing the smiles of those receiving the small yet significant gesture reinforced the power of simple acts of kindness in bringing people together and uplifting spirits.

The IEEE-EMBS Student Chapter extends its heartfelt gratitude to everyone who participated, donated, and supported this initiative. Your generosity and willingness to give back have made a tangible difference in the lives of many. This event reflects the chapter's commitment to social responsibility and community engagement, and we look forward to continuing similar efforts in the future to spread positivity and support those in need.

In a Spiritual Atmosphere: Hijjawi Students Celebrate the "Elite Engineers" Ramadan Event

On Tuesday, March 25, 2025, the Engineering Committee at the Hijjawi Faculty for Engineering Technology – Yarmouk University organized the "Elite Engineers" event at Wissam Bshannak Hall, with the participation of a group of students and the attendance of several faculty members.

The event aimed to encourage students to recite and memorize parts of the Holy Qur'an during the holy month of Ramadan. Participants were divided into different competitive levels, ranging from memorizing one Juz' to fifteen, all within an uplifting spiritual atmosphere.

The activity witnessed great engagement from the students, who expressed their appreciation for an event that nurtures their spiritual connection during Ramadan. Faculty members also praised the initiative, highlighting its importance in fostering faith-based and social values within the university environment.

This event is part of a series of Ramadan activities organized by the faculty, aimed at promoting a holistic student experience that integrates academic, spiritual, and social development.

"Don't They Reflect?" Season 2 - A Program Bridging Science and Faith

The Aerospace and Electronic Systems Society (AESS) - Yarmouk University Chapter, in collaboration with various Jordanian universities, has launched "Don't They Reflect?", a thought-provoking program that explores the intersection of scientific discovery and Quranic miracles.

The program consists of six intellectually engaging sessions, featuring distinguished scholars and researchers who delve into the scientific interpretations of Quranic verses. Held twice a week during the holy month of Ramadan, the sessions aim to encourage critical thinking and deepen the understanding of how modern science aligns with divine revelation.

The program's lineup of esteemed speakers includes Dr. Marwan Abu Sarees, who introduced the series with an insightful lecture on the scientific miracles in the Quran, and Dr. Othman Abdul Mawla Musa Al-Jabareat, who explored the cosmos in the Quran and its connection to contemporary astronomical discoveries. One of the most anticipated discussions was led by Prof. Osama Al-Faqir, who tackled the intriguing question: Does science lead to faith or skepticism? His session sparked deep reflections on the philosophical and theological implications of scientific progress.

Throughout the program, each session presents specific Quranic verses related to the topic, allowing participants to analyze the intricate connection between revelation and modern scientific findings. Delivered online via Zoom after Taraweeh prayers every Monday and Friday, the initiative has attracted students, academics, and enthusiasts eager to explore the harmony between faith and reason.

Launch Ceremony of the Emaar Student Team and Geo Wall Competition at Hijjawi Faculty for Engineering Technology

Under the patronage of the Dean of Hijjawi Faculty for Engineering Technology at Yarmouk University, and on his behalf, Professor Zaid Bataineh, the Vice Dean, attended the launch ceremony of the Emaar Volunteer Student Team. The event was organized under the supervision of Dr. Muath Abu Qamar and Dr. Ammar Al-Shannaq. During his speech at the event, Dr. Bataineh emphasized the importance of student initiatives that open new horizons for creativity and teamwork. He highlighted that the faculty will continue to support activities that help refine students' skills and enhance their academic and practical experiences. He also praised the enthusiasm of the students and their efforts in organizing the team's first event.

Dr. Muath Abu Qamar, the academic supervisor of the Geo Wall Competition, noted the necessity of combining scientific and practical aspects to develop students' engineering skills. He stressed the importance of forming teams and participating in such competitions, which foster teamwork and innovation, encouraging students to make the most of these opportunities.

Coinciding with the launch of the Emaar Team, the Geo Wall Competition, the first of its kind in Jordanian universities, was held. The competition aims to develop students' skills in geotechnical and foundation engineering, where participants competed in designing models of retaining walls using innovative and efficient engineering ideas.

The competition witnessed significant student engagement, with competing teams showcasing clear creativity in presenting engineering solutions. At the conclusion of the event, participants were honored with certificates of appreciation to celebrate their efforts and achievements. This added an atmosphere of pride to the ceremony and highlighted the excellence of Hijjawi Faculty students in various engineering fields.

YESG Team's Visit to HTU

As part of its efforts to raise awareness about sustainability and green building, the Yarmouk Engineers for Sustainability and Green Building (YESG) team visited Hussein Technical University (HTU). The visit included students from the Hijjawi Faculty for Engineering Technology and was supervised by Dr. Moath Abu Qamar. The goal was to learn about new ideas in sustainable engineering and connect with experts in the field.

A key part of the visit was a lecture by Dr. Maysoon Al-Khuraissat, the first internationally certified sustainability and green building consultant in Jordan. She is also a certified trainer in green building design and the founder and general manager of ADA'A Sustainable Development Consultancy.

Dr. Maysoon explained how sustainability can be applied in architecture and civil engineering, focusing on saving energy, managing water use, and choosing eco-friendly materials for buildings. She also introduced well-known green building standards like LEED and EDGE, sharing real examples of how these systems can be used in modern engineering projects.

This visit encouraged the YESG team to keep exploring new environmental solutions and learn more about practical ways to apply sustainability in engineering. It also showed how theory and practice work together to prepare future engineers to build in an eco-friendlier way.

The visit was organized under the supervision of Dr. Moath Abu Qamar, who helped make it a valuable learning experience for the students. They had the chance to hear from Dr. Maisoon Khreisat, who shared useful knowledge about green building. HTU's support in hosting this event made it possible for students to exchange ideas and learn more about sustainable engineering, showing how universities can work together to spread green building practices in Jordan.

YESG Team Delivers an Awareness Lecture on Sustainability to Students of the Model School

As part of its efforts to raise awareness about sustainability and green buildings, the Yarmouk Engineers for Sustainability and Green Building (YESG) team delivered an awareness lecture to students of the Model School, under the supervision of Dr. Moath Abu Qamar. The lecture aimed to introduce students to sustainability concepts and their importance in protecting the environment, as well as the role of engineering in achieving sustainable development.

The lecture focused on several key topics, including:

• The Concept of Sustainability: Introducing students to the principles of sustainability and its importance in addressing environmental challenges such as climate change and pollution.

• The Role of Individuals in Achieving Sustainability: Educating students on the importance of simple daily habits, such as water conservation, reducing plastic use, and recycling, and how everyone can contribute to protecting the environment.

The lecture saw great interaction from the students, who actively participated with questions and ideas on how to adopt a more sustainable lifestyle. YESG team members provided practical examples and simple applications to help students understand the importance of these concepts in their everyday lives.

This lecture is part of a series of activities organized by the YESG team to spread the culture of sustainability among different segments of society, aiming to prepare a generation more aware and responsible towards the environment. The team emphasizes the importance of integrating sustainability concepts into school curricula and encourages students to be part of the future environmental solutions.

Educational Workshop: "Artificial Intelligence in the Design and Operation of Satellites"

The Aerospace and Electronic Systems Society (AESS) - Yarmouk University Chapter successfully organized a seminar titled "Artificial Intelligence in Satellite Design and Operations" featuring Engineer Aysha Alharam as the guest speaker. This online session, held on Tuesday, 11th February, aimed to educate students and professionals about the growing role of artificial intelligence (AI) in the design, optimization, and operation of satellites. The event explored key AI applications onboard satellites, how intelligent analytics can enhance satellite functionality, and the challenges and opportunities AI presents in the space sector. The workshop covered essential topics, including requirement analysis, advanced design techniques, and resource optimization using AI-driven models. Discussions included how AI helps engineers define technical specifications, improve satellite subsystems like propulsion and thermal control, and ensure efficiency in long-term space missions. The session also highlighted real-world applications, demonstrating how AI enhances decision-making and operational autonomy in harsh space environments. The seminar was highly interactive, with students and attendees actively participating by asking questions and engaging in discussions. The insights provided by Eng. Aysha Alharam gave participants a deeper understanding of AI's impact on aerospace technology and potential career paths in this rapidly evolving field. The AESS - Yarmouk University Chapter reaffirmed its commitment to organizing similar events, fostering innovation, and preparing students for future advancements in space technology and AI applications.

Hijjawi Faculty Organizes Educational Visit to Jordan Research and Training Reactor (JRTR)

The Department of Electrical Power Engineering at the Hijjawi Faculty for Engineering Technology, Yarmouk University, in collaboration with the AEE YU team, organized a scientific visit to the Jordan Research and Training Reactor (JRTR). The visit was supervised by Dr. Lina Al-Hamoud, Head of the Department, and Dr. Abdulghani Athmanah, with the aim of enhancing students' scientific knowledge and providing them with the opportunity to explore practical applications of nuclear energy.

During the visit, students explored the reactor and learned about its operational mechanisms and key systems. The reactor team provided a detailed explanation of its components, research and training roles, and the nuclear safety measures in place to ensure operation according to the highest international standards. The team also emphasized the reactor's importance in supporting scientific research and technological development in Jordan.

The tour also included a visit to the radioisotope production department, where students learned about the processes involved in producing isotopes and their applications in medical, industrial, and research fields. This allowed students to gain a deeper understanding of the practical applications of nuclear energy and its role in sustainable development.

The students expressed their admiration for the advanced technologies used in the reactor, noting that this experience enriched their academic journey by providing a deeper understanding of nuclear energy, reactor safety, and radioisotope production. They regarded the visit as a valuable addition to their academic experience.

Graduation Celebration of Electronics Engineering Students: A Heartfelt Farewell Led by Dr. Yusra Obeidat

Dr. Yusra Obeidat, Head of the Electronics Engineering Department, joined this year's graduating students in a small party they organized to celebrate their graduation and bid farewell to the department. Dr. Obeidat delivered an encouraging speech in which she expressed her feelings of pride and admiration for the students' achievement in reaching this stage. She congratulated them on their success and graduation. Additionally, some students shared their joy in graduating and expressed their gratitude to the faculty members in the department and the college for the valuable knowledge and moral support they provided throughout their academic journey.

Hands-On Soldering Workshop for Creativity Team: Organized by the Electronics Engineering Department

The Electronics Engineering Department organized a workshop on the basics of soldering electronic components for the department's Creativity Team students. The practical workshop was conducted by Eng. Ali Al-Hajji and Eng. Ayman Hilat from the department. They explained the fundamentals of soldering electronic components and the skills required for precision and mastery in soldering. The participating students practiced the soldering process in the laboratory, making the workshop a rich and beneficial learning experience.

IEEE EMBS Held the MediVerse Conference Booth

IEEE EMBS Student Chapter held a booth at the Hijjawi Faculty for Engineering Technology building about the MediVerse Conference. The MediVerse Conference, which will take place on April 5, 2025 at Amman Academy Theater, is a cutting-edge medical engineering and technology event that brings together top researchers, industry experts, and students to explore the latest advancements in healthcare innovation.

This conference serves as a platform for discussing groundbreaking topics such as AI in medicine, robotics in surgery, nanotechnology in cancer treatment, and brain-computer interfaces. The booth discussed the key insights about the conference agenda and speakers and engaged with visitors with discussions on emerging medical technologies. Also, it highlights the importance of participation in participating in the conference and the benefits of its sessions in healthcare and biomedical engineering.

IEEE EMBS Organized the Linux-Based Operating Systems - Micro Course

The IEEE EMBS Student Chapter organized Linux-Based Operating Systems Micro Course, held in collaboration with the Robotics and Automation Society (RAS). which took place from 112024/2/ to 222024/2/ totaling 18 training hours. This intensive training program provided participants with essential technical skills, unlocking new opportunities in the world of technology. The course took place for over 7 days of hands-on training totaling 20 training hours in the Zinc hall. The course was led by Eng. Anas Al-Omrat, a Computer Engineering student with expertise in cybersecurity and operating systems. Throughout the course, participants were introduced to Linux fundamentals, command-line operations, file management, process control, and user administration. Also, the course content was made available online, reaching a wider audience.

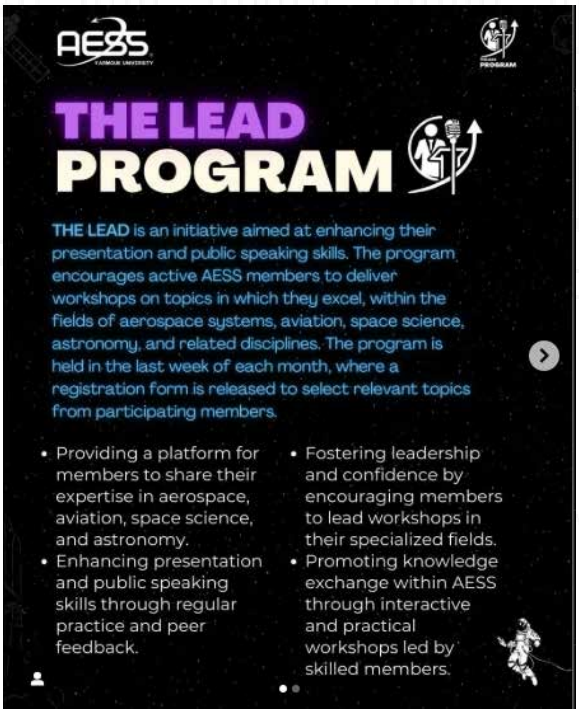
IEEE EMBS Organized the Python Programming Course

The IEEE Engineering in Medicine and Biology Society (EMBS) Student Chapter successfully organized a Python Programming Course, which concluded with the participation of over 100 students from various engineering disciplines. This course was designed to provide students with a strong foundation in programming, equipping them with essential coding skills that are highly valuable in both academic and professional settings. The sessions aimed to introduce participants to Python, one of the most widely used programming languages in engineering, data science, and automation, ensuring they could apply their knowledge to real-world scenarios.

The course was led by Mohammad Shkhateerah, an engineering student with extensive experience in Python development. Over the span of six intensive sessions, totaling 12 hours, participants progressed from mastering Python fundamentals to exploring more advanced topics such as data analysis, automation, and web development. The curriculum was carefully structured to ensure a smooth learning curve, starting with basic syntax, variables, and control structures before advancing to file handling, libraries, and real-world applications. The course also emphasized problem-solving techniques and best practices in coding to help students write efficient and maintainable programs.

To reinforce learning and ensure practical application of the skills acquired, participants were required to complete a final project, where they demonstrated their ability to develop functional Python programs. These projects varied from data visualization dashboards to automated scripts for task optimization. Upon successfully meeting the course requirements, participants were awarded a recognized certificate, marking their achievement and proficiency in Python programming. The IEEE EMBS Student Chapter aims to continue organizing similar skill-based courses to support students in acquiring technical competencies that enhance their career prospects in engineering and beyond.

"THE LEAD: Empowering Voices, Inspiring Minds" - IEEE AESS YU Launches a Transformative Initiative



The Aerospace & Electronic Systems Society (AESS) YU has launched THE LEAD, a pioneering initiative designed to enhance members' presentation, public speaking, and technical communication skills. Recognizing the critical role of effective communication in aviation, space, and astronomy, this program provides an interactive platform where participants can develop the confidence and expertise needed to articulate their ideas fluently and impactfully.

At its core, THE LEAD empowers students and young professionals by offering them the opportunity to lead and deliver specialized workshops in their fields of interest. These workshops cover a range of topics, from aerospace engineering and avionics to space science and observational astronomy. Through hands-on experience and peer-led sessions, participants refine their public speaking and presentation techniques while gaining valuable leadership experience by mentoring and educating others.

By engaging in this initiative, members strengthen their ability to simplify complex scientific concepts, develop structured content delivery skills, and cultivate an engaging presence in front of an audience. More than just a skills-building program, THE LEAD fosters a culture of collaboration, innovation, and continuous learning within the AESS YU community. It acts as a stepping stone for aspiring engineers, researchers, and professionals, equipping them with the tools necessary to thrive in academic, professional, and technical environments.

With THE LEAD, AESS YU is not only shaping future industry leaders but also cultivating a generation of skilled communicators capable of bridging the gap between scientific knowledge and public understanding.

IEEE AESS YU's Participation in IEEE DAY

The IEEE Aerospace & Electronic Systems Society (AESS) YU proudly participated in IEEE DAY 2024 at Yarmouk University, delivering an interactive and enriching experience for attendees. The event showcased the society's commitment to advancing knowledge in aerospace, space, and astronomy, while also highlighting its key activities and upcoming workshops designed to inspire the next generation of engineers.

At the AESS booth, visitors had the opportunity to explore the practical applications of aerospace technologies, including cutting-edge electronic systems, satellite innovations, and space exploration techniques. The booth served as a dynamic space where attendees could engage in thought-provoking discussions about recent breakthroughs in aerospace engineering and the evolving role of electronic systems in modern technology.

The event also offered an excellent platform for networking and knowledge exchange, allowing society members and students with a shared passion for technology and engineering to connect. Through these interactions, students gained firsthand insights into the advancements and future opportunities within the aerospace and space industries.

IEEE AESS YU continues to demonstrate its dedication to fostering a rich learning environment through interactive initiatives and workshops. By creating avenues for students to develop their skills and deepen their interest in aviation and space fields, the society is playing a pivotal role in preparing the future leaders of aerospace technology and engineering.

IEEE AESS YU Concludes an Engaging CubeSat Workshop

The IEEE Aerospace & Electronic Systems Society (AESS) YU successfully wrapped up an informative and hands-on CubeSat workshop, presented by Eng. Diana Al-Jabour. This workshop provided participants with valuable insights into the fundamentals of small satellite design, exploring the growing role of CubeSats in modern space exploration and communication.

Throughout the session, attendees engaged in dynamic discussions on the core principles of CubeSat development, including its design, mission applications, and the technical challenges associated with launching and operating these miniature satellites. The workshop also delved into real-world case studies, allowing participants to understand how CubeSats are transforming scientific research, Earth observation, and deep-space missions.

The interactive nature of the workshop encouraged students to explore engineering complexities, ask questions, and exchange ideas on the future of small satellite technology. By highlighting the latest advancements in the field, this session strengthened participants' understanding of aerospace systems and their practical applications.

With the conclusion of this workshop, IEEE AESS YU reaffirms its commitment to fostering a culture of learning and innovation. Through a series of specialized workshops and technical training programs, the team continues to empower students with cutting-edge knowledge in aviation, space, and astronomy, preparing the next generation of aerospace engineers and researchers.

Hiijawi Faculty Students Participated in Organizing the IEEE Football Tournament 2025

Students form the Hijjawi Faculty for Engineering Technology at Yarmouk University participated in organizing the IEEE Football Tournament 2025.

Faculty Members News

Dr. Dania Bani Hani Appointed Acting Dean of Hijjawi Faculty for Engineering Technology in Celebration of International Women's Day

In celebration of International Women's Day, Dr. Dania Bani Hani has been appointed as the Acting Dean of the Hijjawi Faculty for Engineering Technology at Yarmouk University during the period of March 12 - 19, 2025. This significant appointment serves as a tribute to the vital role that women play in academia and engineering, reinforcing the university's commitment to fostering gender equality and leadership opportunities for women in STEM fields. The decision reflects Yarmouk University's dedication to recognizing and empowering female educators and professionals who contribute to the advancement of engineering and technology.

Dr. Bani Hani, who currently holds the position of Vice Dean, has built a distinguished reputation for her commitment to engineering education and academic excellence. Throughout her career, she has worked tirelessly to create an inclusive and supportive environment for both students and faculty members. Her leadership has been instrumental in driving academic programs, mentoring young engineers, and fostering innovation within the faculty. By entrusting her with this role on such a symbolic occasion, the university underscores the importance of women's contributions to higher education and technical fields.

This appointment not only celebrates Dr. Bani Hani's achievements but also serves as an inspiration for aspiring female engineers and academics. It sends a strong message about the importance of diversity and inclusion in leadership positions, encouraging more women to pursue careers in engineering and academia. Yarmouk University remains committed to empowering women in STEM and looks forward to furthering initiatives that support female leadership, academic excellence, and professional growth in the engineering sector.

Dr. Mohammad Tamimi, Assistant Dean, Featured on "Engineering Session" on Yarmouk FM

Yarmouk FM recently hosted Dr. Mohammad Al-Tamimi, Assistant Dean of the Hijjawi Faculty for Engineering Technology, on its popular radio program "Engineering Session." The episode, skillfully moderated by Roa'a Muqabaleh, provided an engaging platform for discussing key topics relevant to engineering students and the academic community. The conversation shed light on various initiatives aimed at enriching the student experience and strengthening the faculty's role in academic and professional development.

During the session, Dr. Tamimi highlighted the faculty's ongoing commitment to fostering student success through a range of academic and extracurricular activities. He emphasized the importance of hands-on training, career development programs, and industry partnerships in equipping students with the skills necessary for the evolving engineering job market. The discussion also touched upon the faculty's continuous efforts to create an innovative learning environment, incorporating emerging technologies and modern teaching methodologies to enhance student learning outcomes.

Furthermore, Dr. Tamimi addressed the faculty's vision for the future of engineering education, emphasizing the need to bridge the gap between academic learning and real-world industry demands. He discussed the significance of adapting curricula to global engineering trends, ensuring that graduates are not only academically proficient but also professionally prepared for competitive job opportunities. His insights reinforced the Hijjawi Faculty's dedication to shaping well-rounded engineers, capable of contributing meaningfully to the industry and society.

Dr. Yusra Obeidat Joins Research Network for Women's Empowerment at Princess Basma Center

Dr. Yusra Obeidat, Head of the Electronics Engineering Department, joined the research network launched by the Princess Basma Center for Women's Studies. The network aims to promote the capabilities and achievements of its members through activities, research, and the development of new partnerships in the field of women's issues.

Closing Ceremony of the WIE-Jordan Mentorship Program 2024: Empowering Future Female Engineers

Dr. Yusra Obeidat, Head of the Electronics Engineering Department and Chair of the WIE-Jordan Section, organized the closing ceremony for the WIE-Jordan Mentorship Program 2024. Originally launched in 2023, the program was thoughtfully designed by the WIE Executive Committee and successfully carried out in 2024. Throughout the program, WIE-Jordan conducted various workshops and meetings for mentees – senior female students from different Jordanian universities. The initiative connected these students with industry professionals, offering valuable guidance to enhance their technical and soft skills as they prepared for their future careers. The program also aimed to support participants in deciding whether to pursue a path in industry or academia.

Hijjawi Faculty Dean Leads Training Workshop on Electronic Course File Management

Yarmouk University's Accreditation and Quality Assurance Center organized a workshop on "Electronic Course File Management Using Excel" on February 6, 2025, to enhance academic processes.

Led by Prof. Mohammad Alzubaidi, Dean of the Hijjawi Faculty, the session covered course file creation, aligning learning outcomes, and grade analysis to improve assessment accuracy and curriculum development.

The interactive event allowed faculty to exchange best practices, reinforcing Yarmouk University's commitment to high-quality education and technological advancement.

Hijjawi Faculty Vice Dean Leads Training Workshop on Securing External Research Funding

Yarmouk University's Accreditation and Quality Assurance Center - Studies and Development Division organized a workshop titled "Applying for External Research Funding" on February 13, 2025, to enhance research capabilities and support faculty development. The workshop, led by Dr. Dania Bani Hani, Vice Dean of the Hijjawi Faculty for Engineering Technology, focused on identifying funding agencies, application requirements, and available funding cycles. It emphasized EU-funded projects, detailing application processes, eligible partner countries, and strategies for writing competitive proposals. Participants engaged in hands-on activities, developing project ideas, reviewing templates, and discussing best practices. This initiative supports Yarmouk University's mission to empower faculty and foster international research collaborations.

Dr. Masadeh Participated in a Training at the Chemnitz University of Technology in Germany

Dr. Mahmoud Masadeh, Head of the Department of Computer Engineering, participated in the training week at the Chemnitz University of Technology in Germany. The training week included participants from Abdelhamid Ibn Badis University-Mostaganem, Algeria, and the Jordan University of Science and Technology. This participation comes within the project supported by the Startup Network /SAXEED.ECO. The visit included scientific and practical training on creating an integrated smart irrigation system using IoT, which aims to integrate IoT sensors with irrigation systems to automate the monitoring of soil moisture, weather conditions and plants' water needs in real-time.

Dr. Sharif Abdulrazzaq from the Department of Communication Engineering Leads Turnitin Training Workshop on Academic Integrity

Yarmouk University's Accreditation and Quality Assurance Center - Studies and Development Division held a workshop on "Plagiarism Detection Using Turnitin" on February 4, 2025, to promote academic integrity and research quality. Led by Dr. Sharif Abdulrazzaq from the Hijjawi Faculty for Engineering Technology, the session covered academic integrity, citation practices, and plagiarism detection with Turnitin, including interpreting similarity reports and understanding acceptable similarity percentages. Participants engaged in discussions on minimizing plagiarism and enhancing research and writing skills. This workshop is part of a series aimed at fostering academic excellence and improving the university's research and academic standing.

Dr. Alomari Presents Research at TRB 2025 in Washington, D.C.

Dr. Ahmad H. Alomari, from Yarmouk University's Department of Civil Engineering, participated in the 2025 Transportation Research Board (TRB) Annual Meeting in Washington, D.C. He presented a study on the spatial evaluation of Bus Rapid Transit (BRT) stations in Amman, Jordan, conducted with Professor Anne Gharaibeh and Engineer Abdullah Al-Momani from Jordan University of Science and Technology. This research aims to improve Amman's public transportation system. Dr. Alomari's participation highlights Yarmouk University's commitment to advancing transportation research and sustainable urban mobility.

Dr. Aloqlah attended the "International Conference on Computing, Networking and Communications (ICNC 2025)" in Honolulu, Hawaii, USA

Dr. Mohammad Aloqlah, from Yarmouk University's Communications Engineering Department, attended the "International Conference on Computing, Networking and Communications (ICNC 2025)" in Honolulu, Hawaii, from February 17 to 20, 2025. He presented his paper, "Unified Outage Probability Analysis for Dual-Hop Decode-and-Forward Relaying with Energy Harvesting over ⊠−⊠−μ Fading Channels," which analyzes the performance of a dual-hop relaying system with energy harvesting in non-homogeneous fading channels. The study explores three energy harvesting protocols and demonstrates improved system performance with higher fading parameters, validated through numerical evaluations and Monte Carlo simulations.

Promoted Faculty Members Since January 2025

The Hijjawi Faculty for Engineering Tehnology congtatualtes the promoted faculty members since January 2025!

To Full Professor

Prof. Ihssan S. Masad
Biomedical Systems and Informatics Engineering

To Associate Professor

Dr. Mahmoud Masadeh
Computer Engineering

Dr. Dua'a Telfah
Civil Engineering

Dr. Mohammed AbuHussein
Architectural Engineering

Success Stories

Hijjawi Teams Shine at IEEEDuino Global Competition

Two student teams from the Hijjawi Faculty of Engineering Technology at Yarmouk University achieved remarkable success at the IEEEDuino Global Competition for Region 8, which includes Europe, Asia, and Africa. Competing against over 60 teams, both teams qualified for the finals, with one team securing second place—making Yarmouk University the only Jordanian institution represented in the top positions.

Team SKB: Mohammad Karasneh, Raneem Al-Badr, and Yazid Al-Sobh (Computer Engineering) earned second place with their project aimed at "protecting marine environments using technology." Their innovative solution involved a capsule designed to collect air and water data using sensors and store it in a central database for researchers to support AI modeling and environmental conservation.

Team MediDuino: Qusai Mashreqi (Computer Engineering) and Farah Al-Zubaidi (Biomedical Engineering) also qualified for the finals with their creative project.

Dr. Mohammad Alzubaidi, Dean of the Hijjawi Faculty, praised the students' achievements, highlighting the faculty's commitment to fostering innovation and preparing students for global engagement. Dr. Zaid Al-Bataineh, Vice Dean and Advisor to IEEE, emphasized that these accomplishments reflect the high caliber of Yarmouk University students and the faculty's efforts to support pioneering projects.

The SKB team's success was further supported by funding from the Hisham Adeeb Hijjawi Scientific Foundation, which enabled them to develop and showcase their project at this prestigious international event.

Hijjawi Faculty Students Yara Shibli and Rania Al-Qawasmi Featured on "Taiwan International Radio" Podcast

As part of their participation in the International Engineering Training Program in Taiwan, Yara Shibli and Rania Al-Qawasmi, students from the Hijjawi Faculty for Engineering Technology at Yarmouk University, were featured on Radio Taiwan International's "Salam from Taiwan" podcast.

During the episode, they shared insights into their training experience, highlighting the technical knowledge, cultural exchange, and professional skills they gained throughout the program. They discussed the challenges and opportunities they encountered, the importance of international exposure in engineering education, and how such experiences shape students' careers.

This training program is funded by the National Science and Technology Council in Taiwan and supported by the Hisham Hijjawi Scientific Foundation, aiming to equip students with advanced engineering skills and enhance their global competitiveness.

Their participation in the podcast reflects Hijjawi Faculty's commitment to providing students with valuable international learning opportunities, fostering innovation, and preparing future engineers for success in a rapidly evolving technological world.

Hijjawi Faculty Student Abdullah Na'amneh Featured on "Taiwan International Radio" Podcast

Abdullah Na'amneh, a student from the Hijjawi Faculty for Engineering Technology, who participated in the International Engineering Training Program funded by the National Science and Technology Council in Taiwan and supported by Hisham Hijjawi Scientific Foundation, was featured on "Salam from Taiwan", a podcast by Radio Taiwan International. During the episode, he shared his experience and insights from this prestigious training program.

In this special episode, Abdullah Na'amneh, a Jordanian exchange student, discusses the significance of electronics and semiconductor engineering, the challenges and opportunities he encountered during his training, and his reflections on life in Taiwan. He also speaks about his role in engineering media through "Engineering Session", the first engineering radio show in Jordan!

This training program is funded by the National Science and Technology Council in Taiwan and supported by the Hisham Hijjawi Scientific Foundation, aiming to equip students with advanced engineering skills and enhance their global competitiveness.

His participation in the podcast reflects Hijjawi Faculty's commitment to providing students with valuable international learning opportunities, fostering innovation, and preparing future engineers for success in a rapidly evolving technological world.

Hijjawi Faculty Secures Top Positions in the Entrepreneurship in Quality Competition for AI-Powered Exam Management Solutions

The Hijjawi Faculty for Engineering Technology has achieved a remarkable milestone by securing top positions in the Entrepreneurship in Quality Competition, which saw broad participation from various university faculties. The competition focused on developing AI-powered solutions for managing exam schedules, where Hijjawi Faculty teams stood out with their innovative projects, contributing to enhancing the efficiency of academic operations and integrating technology into educational administration.

Dr. Amjad Al-Sakarneh from the mechanical engineering department won first place for his pioneering project, introducing an intelligent AI-based exam scheduling system. His project utilizes data analysis and dynamic decision-making to minimize scheduling conflicts and optimize exam distribution, ensuring a well-balanced approach between academic and administrative requirements.

The second-place award was secured by a team of Hijjawi students, under the supervision of Dr. Hisham Almasaeid. Their project proposed an advanced AI-driven model to analyze and optimize exam schedules with high efficiency. The team, consisting of Ibrahim Al-Majali, Sara Al-Badr, Sara Al-Tinbeh, Raham Al-Tawaha, and Ghufran Al-Akash, developed a flexible scheduling system that adapts to the needs of students and faculty members.

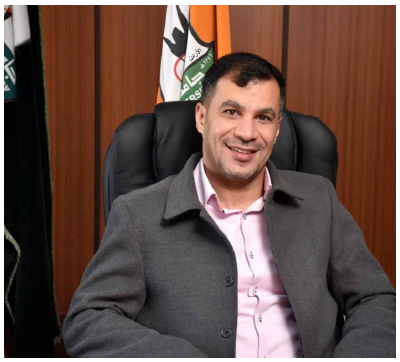
The competition's judging panel, composed of experts in quality assurance and information technology, praised the Hijjawi Faculty projects for their creativity, precision, and technical excellence. The panel conducted a comprehensive evaluation based on innovation, ease of implementation, and the potential impact of these solutions on improving academic processes.

This achievement aligns with Yarmouk University's vision to foster innovation in academic services. The university has announced plans to explore the practical implementation of these AI-driven solutions in future exam scheduling, contributing to higher educational quality standards and a more efficient, technology-driven learning environment for students.

Happy Eid Al-Fitr 1446!

Wishing You a Prosperous and Happy Eid Al-Fitr 1446 from the Hijjawi Faculty for Engineering Technology Administration!

Prof. Mohammad A. Alzubaidi
Dean of Faculty



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

Dr. Hisham Almasaeid
Vice Dean

Dr. Dania Bani Hani
Vice Dean

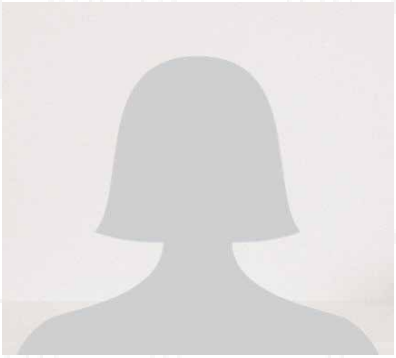
Dr. Mohammad Tamimi
Dean Assistant

Prof. Ammar Al-Rousan
Head of Industrial Engineering Department

Dr. Yusra Obeidat
Head of Electronics Engineering Department

Dr. Hasan Aldiabat
Head of Communication Engineering Department

Dr. Mahmoud Masadeh
Head of Computer Engineering Department

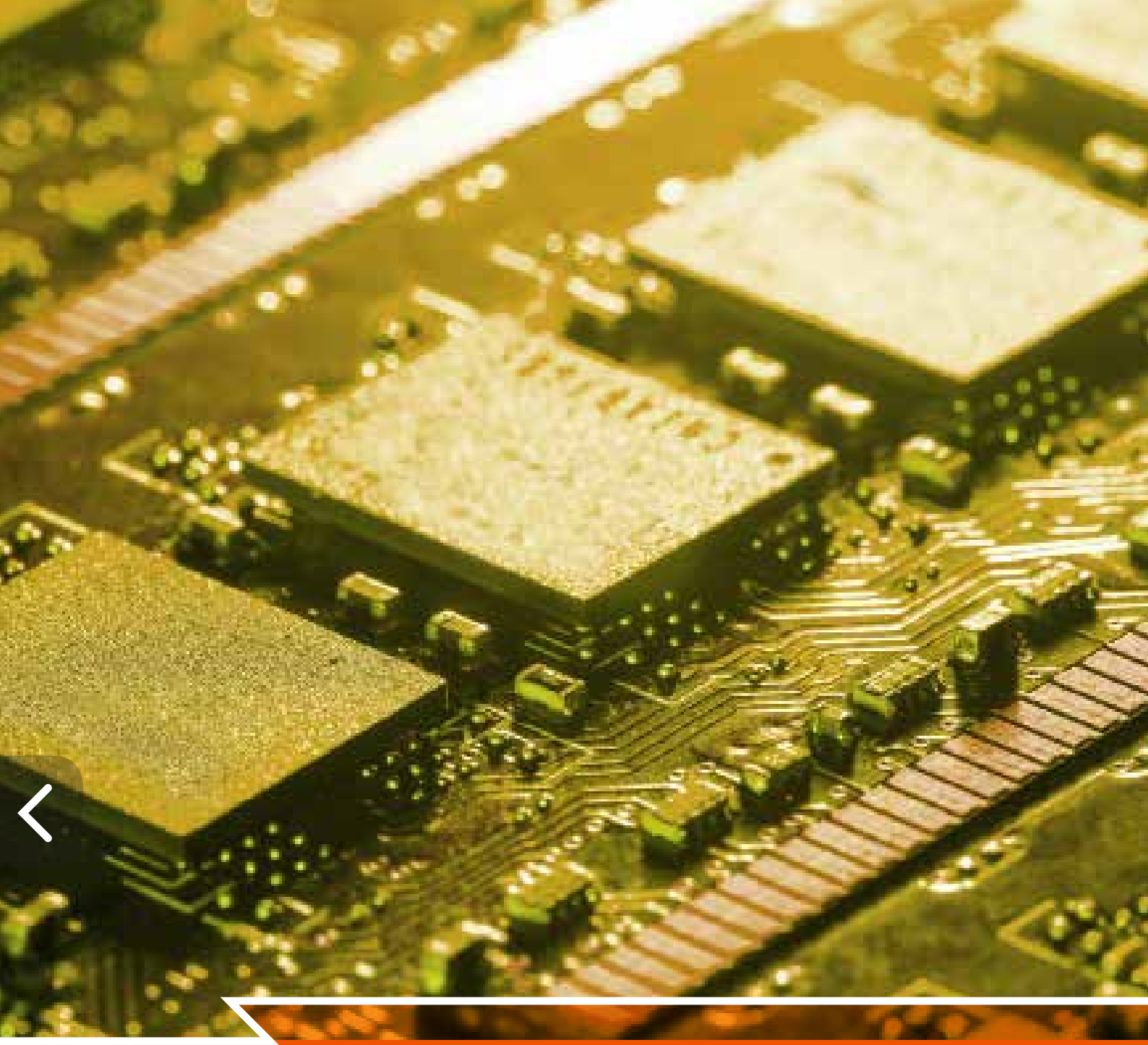


Dr. Lina Alhmoud
Head of Electrical Power Engineering Department

Dr. Musab Abuaddous
Head of Civil Engineering Department

Dr. Baraa Alkhatatbeh
Head of Architectural Engineering Department

Eng. Sami Almashaqbeh
Head of Biomedical Systems and Informatics Engineering Department



Newsletter Staff:

Editor-in-Chief: Prof. Mohammad A. Alzubaidi, Dean

Editor: Dr. Mohammad Tamimi, Dean Assistant

Designer: Prof. Mohammad A. Alzubaidi, Dean

https://hijjawi.yu.edu.jo/