

Engineering
Accreditation
Commission



Hijjawi Faculty Newsletter

Special Issue on the Occasion of Celebrations of King Abdullah II's Silver Jubilee

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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**
(**14 B.S. / 6 M.S.**)*



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



***127**
Academic Staff*



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

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Featured Article

Higher Education in Jordan: 25 Years of Development



**Prof. Islam M. Massad, MD
President**

As we celebrate King Abdullah II's Silver Jubilee, higher education in Jordan is an important form of investment in human capital. In fact, it can be regarded as a high level or a specialized form of human capital, the contribution of which to economic growth is very significant.

"All Jordanian universities are called upon to focus on the quality of higher education. Their job is not limited to the academic and educational aspects. It is their responsibility to help shape cultural and democratic awareness, enhance collective national identity based on the principles of citizenship and equality in rights and duties.It is my unshakable conviction that the youth are the engine that drives the development process; they are the vehicle and the purpose of development. Therefore, we should continue investing in the youth through education and training to equip them with skills and expertise that will nurture their creativity and enable them to excel." Remarks by His Majesty King Abdullah II on the occasion of the University of Jordan's 50th Anniversary, Amman 10 December 2012.

His Majesty King Abdullah II has paid a special attention to the higher education as he directed his successive governments to focus on higher education and its improvement. Accordingly, during the last 25 years many public and private universities were established: two public universities and seven private universities were established. During the last two decades, the sector of higher education in Jordan perceived a noticeable progress as well as advancement demonstrated by the increasing number of institutions of higher education, enrolled students, faculty members, administrative and academic staff. The number of public universities has reached (10), besides (17) private universities, in addition to (51) community colleges. This increase in numbers of universities is accompanied by a notable increase in students number enrolled in these universities.

The higher education system in Jordan has recently evolved significantly. In years between 2000 - 2001 and 2006 - 2007, Jordan has seen an increased demand for higher education, Jordan has gross enrollment levels of about 40%, which is higher than the regional average.

During the last twenty-five years higher education in Jordan focused on several factors, specifically education outputs, preparing graduates for the market requirements, finding resources of funding, and developing the process of technical education and enhancing the medical education. Consequently, many Jordanian Universities established Faculties of Medicine; Mu'tah University's Faculty of Medicine was established in 2001, Hashemite University's Faculty of Medicine was established in 2006, and in 2013, Yarmouk University began receiving medical students in its newly established faculty of Medicine, in 2014 Balqaa Applied University started its faculty of Medicine. The increase in the number of admissions in medical specialties is attributed to the societal rush to study medicine; the number of students in the medical faculties inside Jordan is about 19,000.

Graduates of Jordanian medical schools play an important role in developing the country's health care system. Furthermore, the Jordanian medical education system is highly regarded internationally. The World Bank has ranked Jordan first in terms of the efficiency of health care services in the region in the field of medical tourism, and it is among the top five countries in this regard.

His Majesty the King always highlights the need to upgrade the higher education sector and enhance scientific research that are crucial to advancement and reconstruction, and that education and empowerment of citizens will continue to sustain a high degree of excellence, and indicates that policies and programs aiming at developing the quality of higher education in Jordan must be adopted in line with international standards to help develop regional and international competitiveness

of the sector. Educational policies, teaching methods and curricula should be developed to meet the needs of local, regional and global markets, in addition to integrating digital technologies and innovation within higher education, and to invest in the advancement of Vocational and Technical education.

With the increasing number of students going for the completion of higher education, the government needs to allocate greater resources in improving the current higher education system and also to improve access of good universities for the rising population. It is also very important to establish technical institutes within the universities to provide technical education. Thus, technical qualifications and pathways to employment are made available within the existing infrastructures in many Jordanian universities.

Higher education drives economic growth and development, prosperity, and competitiveness. Indeed, modern workplaces are in a continuous state of evolution. Well-trained and skilled graduates can better meet future challenges and opportunities. In addition, universities can build stronger societies, reduce poverty, and boost prosperity.

In order to maintain high quality, competitive, professional and skilled human resources that can provide society with continuous, lifelong educational experiences closely related to its current and future needs, in response to and stimulating sustainable economic development and preparing educated individuals and a skilled workforce; it is crucial to enhance the power of higher education institutions, and improve the quality of competency-based education through restructuring academic programs, rebuilding curricula, modernizing learning and teaching methods.

Industrial Advisory Board's Message

Accelerating Jordan's Academic System for Enhanced Participation in the Semiconductor Industry: Seizing Missed Opportunities and Charting a Path Forward



Dr. Fadi Obeidat, PhD
EDA/Semiconductor Industry Expert and Consultant

In this article, I will illuminate the obstacles within Jordan's higher education system hindering the cultivation of a robust talent pool tailored for the vital semiconductor industry. Furthermore, I will propose actionable steps to surmount these challenges. Despite Jordan's commendable standing in STEM education, both genders face a concerning unemployment rate, particularly in engineering fields, stemming from a dearth of industrial prospects. This discrepancy compels numerous computer and electronics engineering graduates to redirect their careers towards software, contrary to the burgeoning global demand for such engineers. For instance, projections indicate a looming shortage of over one hundred thousand semiconductor professionals in the USA by 2030.

A significant portion of Jordanian professionals in leading semiconductor companies completed

their undergraduate studies domestically. However, the majority pursued advanced degrees or internships abroad, predominantly in the USA and other industrialized nations, where they demonstrated exceptional competence and subsequently established their careers. This model fails to align with national economic objectives aimed at fostering lucrative employment opportunities for local talents and curbing unemployment rates. It is imperative to cultivate an environment conducive to attracting companies to invest in Jordan and engaging Jordanian professionals.

Semiconductor companies are actively seeking adept talents to address the scarcity of computer and electronics engineers. Nonetheless, undergraduates in Jordan lack opportunities to acquire hands-on experience in relevant domains, primarily due to the country's software-oriented academic emphasis and a scarcity of hardware-focused internships. The absence of such internships poses a dual challenge, hindering students' ability to secure career prospects and impeding companies seeking skilled professionals. To break this impasse, innovative strategies must be devised to complement the academic curriculum and mitigate the shortfall in internship opportunities, thus alleviating the burden on the academic system.

Below is a list of actionable recommendations boost the quality and quantity of Jordan's pool of talents for the semiconductor industry:

1. **Curriculum Enhancement:** Revise existing curricula to prioritize practical applications and industry-relevant projects, bridging the gap between academic theory and industrial demands. Unfortunately, the higher education system in Jordan, is rigid and limiting initiatives that may aim to upgrade the quality of graduates to match market needs. It is easier to establish a new academic department in such a rigid system than fixing or upgrading the curriculum. This must be addressed within the higher education system; the current system cannot serve the mission to scale the number of talents for this industry.
 2. **Industry Tool Integration:** Accordingly, with the curriculum, projects, and labs becoming industry-driven, universities should integrate industry-standard tools and practices into coursework, supplemented by faculty training to ensure proficiency this will equip students with key industrial skills to transform them into plug-and-play mode.
 3. **Industry Collaboration:** Foster collaboration between universities and local industry experts through seminars and workshops to enhance student awareness and skill development.
 4. **Industry Fellows:** It is also important to consider recruiting industry practitioners to conduct specialized labs and workshops, offering firsthand insights into industry operations.
 5. **Industry-driven Competitions:** This type of project-based learning will transform the knowledge students acquired during undergraduate courses into technical experience and enhance the problem-solving skills.
 6. **Internship Programs:** Establish partnerships with global and local companies to facilitate extended internships, countable towards academic credit.
 7. **Redesigned Programs:** Restructure engineering programs to include a dedicated year focused on industry-specific projects, preparing students for immediate industry integration. The computer and electronics engineering program can be easily optimized into four years program. The fifth year can be redesigned to require students to work on targeted projects that can equip them with skills needed in the semiconductor industry.
 8. **Upskilling Initiatives:** Invest in upskilling programs and accredited industry training to augment students' skill sets and career readiness.
 9. **Online Education Evaluation:** Reevaluate online education offerings to ensure alignment with practical skill development requirements. It is noticeable that the quality of COVID-era online education is lacking key practical skills.
 10. **Promotion Criteria:** Reform academic staff promotion criteria to recognize contributions to industry-focused initiatives alongside traditional research endeavors.
 11. **Leadership Advocacy:** Advocate for industry-centric academic reforms at the policymaking level to drive institutional change and implementation.
 12. **Industry Consultation:** Seek guidance and collaboration from local industry leaders to inform and refine academic strategies.
- While belated, initiating reforms now is imperative to accelerate Jordan's academic programs, empowering local talents to compete on both domestic and global stages within the semiconductor industry. By addressing the outlined measures, Jordan can assert its position in this pivotal sector, advancing its economic trajectory and securing a sustainable future for its workforce.

Dean's Message



I'm delighted to welcome you to the first issue of the Hijawi Faculty for Engineering Technology Newsletter in 2024, which comes this time in a special moment that is the Kingdom's celebrations of King Abdullah II's Silver Jubilee. As usual, we attempt to portray the Faculty through the eyes of its students, faculty members, and management personnel. I also try in this welcome message to present what we have achieved in the first quarter of this year 2024, and briefly touch on our action plan for the next quarter of the year.

This issue starts with a featured article for Yarmouk University President, Prof. Islam Massad, in which he describes His Majesty King Abdullah II's unwavering endeavors for the past 25 years to develop Higher Education in Jordan -- this includes advancements in programs' offerings, technical education, as well as medical education. Then, a visionary article by the Hijawi Faculty Advisory Board member, Dr. Fadi Obeidat, illuminates the obstacles within Jordan's higher education system hindering the cultivation of a robust talent pool tailored for the vital semiconductor industry.

As you will see through this issue, the Faculty was able to conduct more than one hundred activities with the help of its Faculty members and students. This is a tremendous effort during such a short period of time, that our students deserve. In addition to the activities, our faculty members and students demonstrated their excellence through their great achievements -- something that will certainly continue in the future, with the full support we receive from the top management in the university.

Here, I summarize our main achievements in the first quarter of this year as follows:

- We have received a clean report on the ABET accreditation for the electrical power engineering program, as always. So far, we have been successfully able to ABET accredited seven programs in a short period of time. We target to apply to ABET for the remaining program in the upcoming cycles.
- To cope with the changes in technology, as well as the demand, we continue our development of new programs, renaming and updating existing ones, and freezing others. We have just got our newly master's in construction management engineering accredited -- this will increase the number of masters' programs to six. We have got the official approval to rename the electronic engineering bachelor program to electronic and robotics engineering. We have also applied for a new bachelor program in Smart Cities Engineering, that we believe it will be desperately needed in the future. We have frozen the admission in the Mechanical Engineering bachelor program due to low demand.

- We continue our efforts to update the curriculum of all programs -- this effort includes the establishment of a service courses department to deal with the duplications across the different programs in the Faculty.
- To respond to the status quo in higher education in Jordan, we proposed to establish a technical faculty to allow us offer 3-year technical diploma programs. This is also a response to King Abdullah II's vision on integrating technical education in higher education institutions and finding new paths for our students that improve their employability opportunities.
- We have proposed a promising abroad scholarship action plan, to make sure that our staff is updated with the latest knowledge and technology, and to support our program with the state-of-art knowledge and skills.
- We have successfully implemented the proposed curriculum updates for our programs for the newly admitted students. For instance, the first career counseling course and the artificial intelligence course were taught in the first semester 2023 - 2024. As part of the process, we will evaluate these new updates and make any corrections to make sure that we achieved the targeted results. We are also in contact with the Ministry of Entrepreneurship and Digital Economy to sign MoUs with the main Engineering and IT certification companies. The general objective is to open new windows for our students to be certified

from these international companies.

- We are in the process of aligning all of our programs with the National Qualification Framework, and increasing the capacity of some highly demanded programs. We are in the final steps towards this goal.
- We were able to hold the third meeting for the industrial advisory board of the faculty. The meeting resulted in many actions that we expect to make disruptive changes in our programs. The next meeting will be held in mid of May, in parallel with our annual scientific day for 2024. Our annual scientific day this year is special as we celebrate the 40th anniversary of the establishment of our faculty. The next issue of this newsletter will reflect this occasion in a very special way.
- We believe in turning out to be an industry creator -- we are currently taking actions to join the national efforts to create the semiconductor industry in Jordan -- we will explain more about our efforts in that regard in the upcoming issues of this newsletter.

We would like to thank Hijjawi Scientific Foundation for supporting many students' activities -- we appreciate this support and we are proud of this strategic partnership.

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

Prof. Mwaffaq Otoom, PhD
Dean

Alumni

■ Dr. Atef Abu Ageel



Dr. Atef Abu Ageel (Class of 1997), is currently the Section Lead (Manager) for the Exoatmospheric Kill Vehicle (EKV) / Space Missiles Program as well as the Javelin Launcher Electrical Engineering Lead at Raytheon Technologies (RTX), Tucson, Arizona. He is also a Professor of Programming and Computational Thinking at the University of Arizona, Tucson, Arizona.

Atef holds an associate degree in telecommunications engineering from the Telecommunications College, Amman, Jordan, bachelor's degree in communication engineering from Yarmouk University, Irbid, Jordan, master's & PhD degrees in electrical engineering from Michigan State University, East Lansing, Michigan and professional certificate in technical project management from Massachusetts Institute of Technology (MIT), Cambridge, Massachusetts.

Atef has a proven record of initiating and delivering sustained results and effective change for firms across a wide range of industries including telecommunication, retail & oil management, medical devices, engine testing, higher education and space & defense. Major experience lies in strategizing and leading cross-functional teams to bring about fundamental change and improvement in strategy, process, and profitability - both as a leader and technology expert.

In his 34+ years of global experience in multiple industries, Dr. Abu Ageel has held senior, technology based, project management roles in the US and the Middle East.

In his free time, he enjoys working out, walking and bike riding on the Tucson loop, watching movies, 3D printing, carpentry, and travel.

For more information, please visit Dr. Abu Ageel's LinkedIn account at:

<https://www.linkedin.com/in/a-a-695a7819/>

■ Eng. Khalid AL-Hmoud



Eng. Khalid AL-Hmoud (Class of 1999), an Electrical Technology engineer holding a Bachelor's degree in Electronics Engineering from Yarmouk University (Jordan) and a Master's degree in Mobile and Satellite Communications from the University of Surrey (United Kingdom), is currently the director of the Standards and Telecom Equipment Certification directorate at the Telecommunications Regulatory Commission (TRC), Jordan and also, he headed different directorates that are specialized in different domains. He brings a long-term experience that extends for more than two decades during which he held many prominent positions inside and outside Jordan all dealing with the radio and none-radiocommunication networks and their regulation. In addition, Mr. Al-Hmoud has actively participated in a large number of international, regional, and national conferences, workshops and seminars conducted by the International Telecommunication Union (ITU) and by some other regulatory agencies, specialized institutions, manufacturers and telco-operators worldwide. His extensive expertise encompasses a broad spectrum of topics and specialties all dealing with the planning, design and operation of wireless communication technologies and services. Furthermore, Mr. Al-Hmoud has chaired numerous specialized committees tasked with establishing regulatory regimes, instructions and for the procurement and implementation of different specialized advanced systems for various purposes including radio spectrum management and monitoring, e-licensing, telecom equipment certification, E-KYC. He has also supervised auditing networks security measures and penetration testing on the SS7, Diameter, GTP, applications and mobile wallets, CLI manipulation, bypass fraud detection, billing systems, A2P, P2P, among others.

■ Eng. Ala Jarrar



Eng. Ala Jarrar (Class of 1996), CEO and CO-founder of Jo Academy in 2013. He was born in 1974 and holding BSc in telecommunication engineering from Yarmouk University since 1997. He joined Zain Jordan as a RAN Engineer and then moved to KSA in 2001 as a senior RAN Engineer at Marconi Wireless. In 2008 after he moved to Ericsson Saudi, he became the CTO for STC, Mobily, and Zain accounts till 2012.

In 2012 became the head of Mobile operators' strategy program at Ericsson at MENA till 2015.

In 2014 he started his journey developing new tools and approaches to improve education by merging it with technology powered by his technical and business experience which gave him the chance to understand the necessity of improving the educational processes and institutions by technology and rich content and accordingly he moves towards these objectives in the next few years through "JoAcademy" the first educational online platform for students in Jordan

This new sector in Jordan gives the chance to millions of students to leverage their academic competencies and skills using for the 1st time tools and content developed by "JoAcademy" as the leading ed-tech company in Jordan and the region.

Consistent development through AI, verse, personalized learning tracks among many other ed-tech solutions continues to be the passion Mr. Jarrar will pursue along with expanding ed-tech towards markets such as Saudi Arabia, Egypt, Turkey, and Europe

■ Eng. Mohammad Al Onizat



Eng. Mohammad Al Onizat (Class of 2022), graduated with a major in Civil Engineering - Construction Management from Yarmouk University. "This is the specialty that I aspired to since I was young. I always looked to the future and saw myself as an engineer, planning my project and leading the work team."

Mohammed learned how important the environment surrounding us is, and how important it is for us to have a suitable space to showcase our talents and develop our skills, and the Crown Prince Foundation was the place where he was able to acquire additional leadership skills, and he was one of the first to join its programs in 2015. During the course of my 8 years, Mohammad entered into important experiences in the Foundation; Starting with the Hageq initiative, he was chosen as a leader across the Kingdom from a small number of people, after important mental and strategic tests to evaluate the person who possesses innate leadership qualities.

During his time in the “Haqueq” initiative, he achieved several achievements, including:

1. Organizing the best event in the Kingdom for tourism promotion (in the presence of 13 nationalities) by evaluating all the work of the Kingdom’s councils in 2019. He was the Vice President of the Council for Ajloun Governorate.
2. He achieved first place in the Kingdom by evaluating the Council’s work methodology throughout the year in 2022, as he served as Chairman of the Administrative Council of Ajloun Governorate. He obtained first place in the Kingdom in a competition held for councils during this year.
3. He was chosen to be one of the selected members of the “Footsteps of Al-Hussein” program, the first cohort, and after a year of training and evaluation, he was one of the selected graduates of the “Footsteps of Al-Hussein” alumni network.
4. He was chosen to present his success story in front of His Highness Prince Hussein bin Abdullah, the Crown Prince.

Mohammad has always strived to gain the greatest amount of experience and knowledge. He held the position of director of the Knights of Nature program at the Royal Society for the Conservation

of Nature. He worked on projects with various parties and had the opportunity to be chosen to be the first young Arab to work in the Canadian Government Federations Forum in 2021. After his success in working with a project affiliated with the organization for 4 years and in partnership with the Princess Basma Center, where he held the position of team manager.

Today, Mohammad is still pursuing his goal: to be a professional engineer and project manager. He has sought to gain knowledge in his field of expertise and has obtained various training and work opportunities, including:

1. He worked as an owner’s representative engineer as a project manager for a commercial complex project, and he has feelings of joy and happiness because he completed it successfully.
2. Currently working as a site engineer for a first-class contracting company, “Nael Haddad Establishment for Construction Contracting.”
3. He was trained in the Engineering Department - at the University of Jordan, in the Faculty of Dentistry project.

During this year, he is creating his own program - a podcast, which is a step he planned to implement two years ago.

He is very happy that he was a student at Yarmouk University, which was an edifice for gaining education and knowledge, and he will always advise himself and for others that the future is worth working, and that hope exists.

Faculty News

Hijjawi Faculty for Engineering Technology Organizes a Student Competition for Entrepreneurship in the Field of Nutrition



The President of Yarmouk University, Dr. Islam Massad, emphasized that meeting and engaging with students represents positive energy, given the important role and status that these young people and students have in the university's progress and its impact on Jordan's future and development.

During his patronage of the technical student competition for entrepreneurship in the field of nutrition, organized by the Hijjawi Faculty for Engineering Technology, Dr. Massad stated that Yarmouk students are a source of success and achievement. Therefore, the university is committed to continuously supporting them, removing obstacles, and equipping them with the necessary knowledge and skills to shape their personalities and qualify them for the job market. He stressed that Yarmouk University follows the directives of the Hashemite leadership in supporting youth, unleashing their ideas and creativity for the public good.

Dr. Massad praised the title of the competition and its representation of the connection between science by linking nutrition to the engineering field. He described the student effort in this competition as thinking outside the box by integrating the topic of nutrition with modern technologies and advanced entrepreneurship, based on the integration and utilization of science to achieve the desired development.

The nutrition entrepreneurship competition, organized by the Hijjawi Faculty for Engineering Technology as part of the Entrepreneurship Week of the Entrepreneurship Committee in the Middle East and North Africa region of the Institute of Electrical and Electronics Engineers (IEEE), evaluated 12 entrepreneurial projects in the first stage of the competition. Teams from the University of Jordan, Al-Balqa Applied University, Applied Sciences University, Jordan University of Science and Technology, as well as Yarmouk University, participated in the competition. Seven projects from Yarmouk University and the Private University of Applied Sciences qualified for the final stage.

The competition witnessed a variety of entrepreneurial project ideas, such as a smartphone application for food-related allergies, food recycling to produce methane gas using artificial intelligence and the Internet of Things, providing nutritional programs for public school students, and a smartphone application to provide healthy home-cooked meals for university students living away from their families. The competition was co-organized by CEIBA team and supervised by Eng. Sami Almashaqbeh.



Chairman of the Board of Directors of the Hijjawi Scientific Foundation Meets with the Students of the Hijjawi Faculty for Engineering Technology

The Chairman of the Board of Directors of the Hisham Adeeb Hijjawi Scientific Foundation, Engineer Ayman Hijjawi, met with the students of the Hijjawi Faculty for Engineering Technology, in the presence of the Dean of the Faculty, Dr. Mwaffaq Otoom, and a number of faculty and administrative staff members at the Faculty.

Hijjawi discussed with the students their professional aspirations for the future and ways to achieve their ambitions, stressing the importance of setting goals and working hard to achieve them. He also stressed that "everything is possible, but we must know what we want."

For his part, Dr. Otoom stressed the importance of such lively meetings to spread inspiration and optimism to students, stressing the university administration's tireless endeavor to develop the Faculty in all aspects, which contributes to improving the quality of education and the quality of the Faculty's graduates.

The students expressed their thanks to their Faculty for providing the opportunity that allowed them to communicate with a successful and inspiring personality. They also interacted in the discussion in a way that reflected their enthusiasm for work and change for the better.

Engineer Hijjawi met with the President of the University, Dr. Islam Massad, who welcomed the strategic partnership between the Hijjawi Faculty for Engineering Technology and Hisham Adeeb Hijjawi Scientific Foundation, and the role that the foundation played in developing the Faculty.



"Yarmouk" Brings Together Six Jordanian Parties in a Political Dialogue Symposium with its Students, Organized by Hijjawi Faculty for Engineering Technology and the Deanship of Student Affairs

President of Yarmouk University, Dr. Islam Massad, confirmed that the issue of political and partisan empowerment of youth is considered one of the important topics that Yarmouk University attaches fundamental importance to, as it is consistent with the lofty royal visions, based on the importance of creating integration between the paths of political, economic, and administrative modernization in Jordan, in a way that reflects positively. On the life of the citizen.

He added, during his patronage of the political dialogue symposium organized by the Hijjawi Faculty for Engineering Technology in cooperation with the Deanship of Student Affairs, entitled "Youth and Parties", with the participation of the secretaries-general of six Jordanian parties, that His Majesty the King stressed and continues to stress in all his speeches and meetings that the Jordanian state is facing a real qualitative shift towards a democratic system, advanced and in line with global developments.

He pointed out that His Majesty attaches great importance to Jordanian youth, as leaders of the change process, calling on universities, institutions and bodies to advance aspects of political empowerment and integration of youth into purposeful programs, increase their awareness of various national issues and challenges, and expand the base of their participation in public life, as they are tools of change and reform and builders of a promising future. Important in the modernization process towards political reform.

Massad stressed that Yarmouk University was the leader among its sister Jordanian universities with regard to the political and partisan empowerment of university students, so it worked to develop it intellectually, awareness, and constructively, so that its students would be supported with the highest skills that refine their personalities, develop their awareness, and increase their awareness of the issues of their society and their country in various fields. Life to achieve promising intellectual visions and the desired democratic system.



YU IEEE WIE Organizes "Empower Her" Event

The Women in Engineering Affinity group at Yarmouk University, in collaboration with the Women in Engineering Affinity group at Jordan University of Science and Technology, organized an event entitled "Empower Her" on the occasion of International Women's Day and under the patronage of her excellency Maha Al-Ali, the Secretary-General of the National Committee for Women's Affairs. The event featured panel discussions and remarkable success stories of Jordanian women who have achieved success and made a significant impact on society. Among the speakers were the teacher Riad Al-Zuhd, Dr. Ala'a Al-Azzam, Engineer Salma Amayreh, Pilot Nadine Qatamine, and Doctor Samaah Al-Ajawi.

Additionally, the event included an exhibition showcasing engineering projects by female students, as well as crafts and artwork by talented Jordanian women, along with medical and awareness initiatives. The event was attended by faculty members and students from various Jordanian universities.



Hijjawi Industrial Advisory Council Holds its Third Meeting

Hijjawi Faculty for Engineering Technology at Yarmouk University held the third meeting of its Industrial Advisory Council, the formation of which came within the university's direction to form advisory councils for all faculties, so that its membership includes experts from the public and private sectors and specialists from outside the university. During the meeting, the Dean of the faculty, Dr. Mwaffaq Otoom, reviewed the latest developments in the faculty and the extent of the achievement achieved during the past six months, that is, since the second session of the Council, and the extent of the faculty's response to the Council's proposals and observations on the faculty's short-term plan for the academic year 2023 - 2024, and the long-term plan for the next five years. Aiming to develop the faculty, feedback was taken from the council in a way that was compatible with the needs of the labor market and technological developments. Otoom pointed to the most prominent international practices in developing academic programs and programs for developing work skills for university students, with the faculty informing the council of the extent to which the performance indicators of these plans have been achieved at the next meeting, which will be held at the end of May of this year. At the end of the meeting, an extensive dialogue took place between the council members about the faculty's future plans, aspirations, and implementation mechanisms.



Hijjawi Participates in Training Workshops on “Developing Remote Teaching of Practical Laboratories” in Spain

A number of professors and students of the Hijjawi Faculty for Engineering Technology at Yarmouk University participated in a group of training workshops organized by the University of Castilla-La Mancha, Spain, as part of the activities of the project to develop remote laboratories and virtual laboratories to teach and train engineering students in higher education institutions in the southern Mediterranean and sub-Saharan regions (RL4Eng).

Dean of the faculty and the coordinator of the Project, Dr. Mwaffaq Otoom, said that this project is supported by the European Erasmus Plus program, managed by Yarmouk University, in which 15 academic partners and companies from Jordan, Lebanon, Morocco, Tanzania, Germany and Spain participate.



Otoom added that the launch of this project came to contribute to the process of digital transformation in higher education institutions by focusing on teaching practical laboratories in engineering, indicating that (RL4Eng) is considered unique of its kind due to the lack of similar experiences in the participating countries from the Middle East, North and Central Africa.

He stated that among the laboratories that will be developed through the project are the high performance parallel processors laboratory, the cybersecurity laboratory, the microcontrollers laboratory, the programmable processors laboratory, and the software engineering laboratory.

The training workshops included introducing examples of practical engineering laboratories taught remotely at the University of Castilla-La Mancha, Spain, and the mechanisms for designing and developing these laboratories and methods of teaching and evaluating them, in addition to practical training workshops for students and faculty members on the concepts included in the project.

On the sidelines of this participation, the Renewable Energy Center and the Albacete Information Research Center were visited, which contains research laboratories in the fields of higher performance computing, artificial intelligence and machine learning laboratories, interactive systems engineering, quantum processors, business accelerators and emerging companies located at the university.



President Meets with the IEEE Jordan Section Chair

The University President, Dr. Islam Massad, affirmed Yarmouk University's keenness and interest in enhancing the extracurricular activities of its students, and preparing university youth to achieve a balanced and integrated personality, by developing their skills and investing their energies in a way that benefits their university, their community, and their country.

During his meeting with the Chair of the Institute of Electrical and Electronics Engineers - Jordan Section, Dr. Musa Al-Akhras, added that supporting these student activities comes in support of the university's mission to encourage students and instill a culture of creativity and excellence in them, expressing his pride in the achievements of university students from various faculties and academic departments.

Massad praised the efforts of the students of the Hijjawi Faculty for Engineering Technology, the various engineering and technological activities they carry out, and their remarkable presence in various competitions and events, pointing at the same time to the prominent activities of the students of the Institute of Electrical and Electronics Engineers in the faculty, which would not have been possible without the efforts of members of the teaching and administrative staff in the faculty and their care and support for various student activities.

Al-Akhras praised the distinguished activity of the Yarmouk University branch in its eight communities, noting that this visit was to highlight the continued support for the student branch at Yarmouk University and to open the door to cooperation to continue in the footsteps of excellence, creativity, and achieving competition for student branches worldwide.

Al-Akhras had met with the student committees of the branch and the student societies of the Institute of Electrical and Electronics Engineers at Yarmouk University, in the presence of several members of the teaching and administrative staff and supervisors of the various societies at the Hijjawi Faculty for Engineering Technology.

During the meeting, student Ali Jawahra, the student branch chair at Yarmouk University, presented, on behalf of all his colleagues, an overview of all the activities offered by all the communities affiliated with the branch, and their plans for organizing conferences and competitions and participating in local and international events. The meeting also included a dialogue with the students to answer their various questions and inquiries.



The Chinese Cultural Advisor Visits Hijjawi Faculty for Engineering Technology

The President of Yarmouk University, Dr. Islam Massad, met with the Cultural Advisor at the Embassy of the People's Republic of China in Amman, Director of the Chinese Cultural Center, Shi Wei, and her accompanying delegation, during her visit to the university, to discuss ways to enhance cooperation between the two sides.

Massad said that Yarmouk always opens its doors to various types of academic and cultural cooperation with universities from various countries of the world, which reflects positively on the educational and research process at the university, pointing out that Yarmouk has recently been able to obtain many international accreditations for a number of its programs, in addition to This enables it to raise its ranking at the local, Arab and international levels in various classification systems such as QS and Times.

Massad reviewed the establishment of Yarmouk University and the academic programs it offers for various specializations and academic degrees, pointing to Yarmouk's continuous endeavor to develop and update study plans for various study programs to make them keep pace with the needs and requirements of the labor market in various fields on the one hand, and the creation of a number of specializations that keep pace with global developments such as artificial intelligence and digital arts.

In turn, Shi Wei praised the academic reputation of Yarmouk University, which has always been and still is one of the distinguished and leading universities in the region, appreciating its constant interest in the 50 Chinese students studying there, both male and female.

As part of the visit program, the Chinese cultural advisor visited the Communications Engineering Department at Hijjawi Faculty for Engineering Technology to discuss the possibility of establishing a joint program with Chinese Universities in Communications Engineering.



A Visit to the Department of Industrial Engineering FabLab by a Project Funded by DAAD

A delegation composed of representatives from Chemnitz University of Technology in Germany, the University of Mostaghanem in Algeria, and the Jordan University of Science and Technology in Jordan visited the Department of Industrial Engineering laboratories at the Hijjawi Faculty for Engineering Technology at Yarmouk university. The visit focused on the equipment and status the Industrial Engineering department laboratories in general and the material manufacturing laboratory specifically. This visit is part of a project funded by DAAD and coordinated by the Entrepreneurship and Innovation Center at Yarmouk University.



Civil Engineering Department Participates in Installing Traffic Signs in Various Areas within the Campus

In continuation of the ongoing initiatives to enhance traffic safety on the campus of Yarmouk University, the Civil Engineering Department from Hijjawi Faculty of Engineering Technology participated in installing traffic signs in various areas within the campus. This step comes as part of ongoing efforts to ensure a safe and comfortable environment for all university members. The initiative was supervised by Dr. Madhar Taamneh and Dr. Ahmad H. Alomari from the civil engineering department.



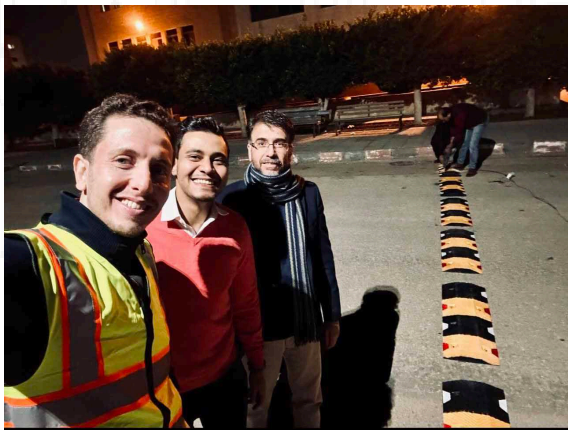
The Civil Engineering Department and the Analyzer Volunteer Team Organize a Scientific Visit to Ministry of Agriculture

A scientific visit to the Ministry of Agriculture was conducted, led by Dr. Mohammad Firas Tamimi, Dr. Ammar Alshannaq, Dr. Mu'ath Abu Qamar, and Dr. Musab Abu Addous accompanied by a group of civil engineering students. The visit was organized by the Civil Engineering Department and the Analyzer Volunteer Team in collaboration with the Hijjawi Faculty for Engineering Technology. The main goal of the visit was to provide students with a practical understanding of structural engineering within agricultural infrastructure. During the visit, students had the opportunity to observe ongoing construction projects, focusing on key structural elements such as columns, beams, slabs, and foundations. This direct exposure to the construction process and the intricacies of structural design deepened the students' appreciation of the practical applications of their coursework. It was not only an educational excursion but also an opportunity for the students to envision future career paths in the engineering sector.



Civil Engineering Students Install Light Plastic Speed Bumps on the Main Roads within the University Campus

Civil Engineering department from Hijjawi Faculty for Engineering Technology organized an initiative to enhance traffic safety and protect the lives of students, workers and all pedestrians at Yarmouk University by installing a number of light plastic speed bumps on the main roads within the university campus. These bumps represent a preventive measure to calm speeds and reduce the chances of accidents in order to provide a safe and comfortable environment. The initiative was supervised by Dr. Madhar Taamneh, Dr. Ahmad H. Alomari and Dr. Musab Abuaddous. Students from the civil engineering department participated in the initiative.



Prof. Adam Nouh Al-Qudah Delivers a Lecture entitled "Ramadan: Our Annual Opportunity" at the Hijjawi Faculty for Engineering Technology

On Ramadan month, Professor Adam Nouh Al-Qudah delivered a lecture entitled "Ramadan: Our Annual Opportunity" at the Hijjawi Faculty for Engineering Technology. The event, organized by the Cluster team from the Architectural Engineering department, discussed the potential of Ramadan to transform our thoughts, behaviors, and practices for the betterment of Muslims and part of self-improvement and spiritual awakening. The lecture started with Quran reading and concluded with a Q&A session, which was attended by Dr. Salwa Alawneh, the Dean Assistant, Dr. Baraa Alkhatatbeh, and other administration members and students.

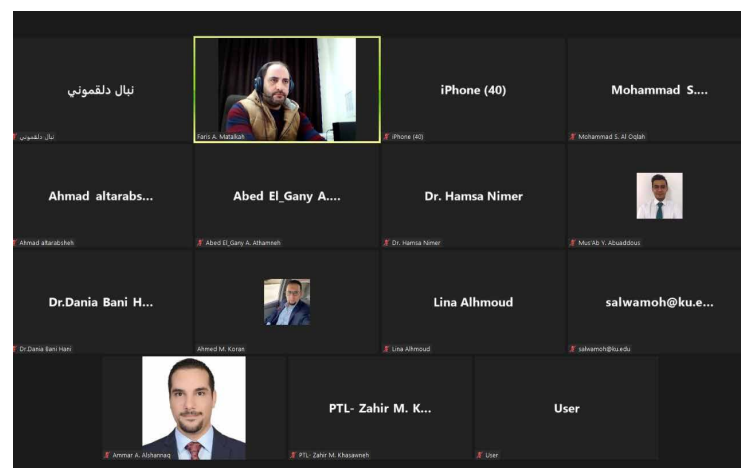


Hijjawi Faculty for Engineering Technology Organizes a Workshop on "The Process of Applying for Projects Funded by the Scientific Research and Innovation Support Fund"

Hijjawi Faculty for Engineering Technology, in collaboration with the International Relations and Projects Department, organized an online workshop on the process of applying for projects funded by the Scientific Research and Innovation Support Fund. The workshop was delivered by Dr. Faris Matakah from the Civil Engineering Department, who has a funded project from the Scientific Research and Innovation Support Fund.

The workshop covered important aspects of the research project application process, including key points to help researchers overcome challenges and increase the success rate of support requests. The workshop mainly focused on the importance of aligning research project proposals with Jordan's national priorities and how researchers can identify research topics that meet community needs. Additionally, the workshop provided detailed guidance on how to write a detailed and effective funding application, enhancing the understanding of the committee reviewing the project's importance. It emphasized the importance of diverse expertise in the research team and collaboration with the private sector to enhance research quality and increase its chances of success.

At the end of the workshop, recommendations were provided to researchers on how to improve the quality of their proposals and increase their chances of obtaining support for scientific research and innovation. It also emphasized the necessity of preparing all necessary attachments for the electronic application.



Hijjawi Faculty for Engineering Technology's Civil Engineering Department Participates in Royal-Endorsed Hashemite Scientific Council Opening

Scientific Councils series: Inaugural Hashemite under the patronage of H. E. Prince Faisal Ibn Al-Hussein, on behalf of His Majesty the King, King Abdullah II Ibn Al-Hussein, the members of the Civil Engineering Department had the honor to be present in the set of opening series. In this context, the 112th Scientific Council was unveiled as the first council for this year under the title "The Book of Riyadh Al-Salehin" by the honorable Imam Al-Nawawi, a book that hits on the heritage of Sunni forefathers. Indeed, Hashemite Scientific Councils have already bagged attention, given their great role in lighting up treasures of Islamic scholarly work and fostering an ambiance of intellectual and spiritual expansion. The esteemed event was attended by high-core Department of Civil Engineering members, among whom the attendees were Dr. Madhar M. Ta'amneh, Dr. Mus'ab Y. AbuAddous, and Dr. Ali M. Shehadeh. The first council of this year upholds the continuity of a lasting tradition of which the Hijjawi Faculty for Engineering Technology always feels proud. It mirrors a conversation between time before and time in, encouraging the pursuit of knowledge in all its forms.



Hijjawi Faculty for Engineering Technology Organizes a Seminar on the Role of the Jordanian Armed Forces in Peacekeeping and their Developmental Role

The Deanship of Student Affairs and Hijjawi Faculty for Engineering Technology at Yarmouk University organized a seminar entitled "The Role of the Jordanian Armed Forces in Peacekeeping and its Developmental Role", in the presence of the Dean of the Faculty, Dr. Mwaffaq Otoom, and the Deputy Dean of Student Affairs, Dr. Zuhair Al-Tahat, in which retired Brigadier General Mamoun Bani Younis and retired Brigadier General Ibrahim Milhem spoke. Both Bani Younis and Melhem stressed that Jordan's participation in international peacekeeping missions comes as a translation of the directives of the wise Hashemite leadership in its relentless quest to see a world of security and peace.

They added during the seminar, which was moderated by the Head of the Mechanical Engineering Department at Hijjawi Faculty for Engineering Technology, Dr. Mohammad Al-Zu'bi, that the presence of members of the Jordanian Armed Forces-Arab Army among the crews of international peacekeeping missions in various positions of duty comes from the prestigious military position enjoyed by the Jordanian Armed Forces worldwide, and the high confidence in the skill and efficiency of all its personnel, thanks to the care and direct follow-up it enjoys from His Majesty King Abdullah II, and his constant directives to support and develop the capabilities of the Jordanian Armed Forces.



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

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

By participating in the blood donation campaign, students could contribute to their community and positively impact people's lives. Moreover, this campaign highlighted the educational value of such campaigns for students. It can help raise awareness about the importance of social responsibility and community service.

The Northern Region Blood Bank team was present to oversee the donation process and ensure that all donors met the necessary requirements to donate blood. The team was also responsible for collecting and processing the donated blood. The campaign successfully collected 100 units of blood, which is a significant contribution to the blood bank's supplies. The event was organized by Eng. Sami Al-Mashaqbeh, the Assistant Dean for Students and Alumni Affairs.



Hijjawi Faculty for Engineering Technology Forms an Organizational Committee for the Student Union Coming Elections

A committee was formed from some faculty members at the Hijjawi Faculty for Engineering Technology with the aim of enlightening the faculty students about the instructions of the Student Union and encouraging them to participate in the upcoming student elections. The committee held its first two meetings and discussed the means to achieve the goal of its formation, such as holding some lectures and awareness-raising activities in the coming days. The committee consists of Professor Dr. Mwaffaq Otoom as Chairman and the membership of: Professor Dr. Zaid Batayneh, Dr. Manal Al-Bazour, Dr. Shadi Al-Laboun, Dr. Yusra Obaidat, Dr. Muhammad Al-Rawashdeh, Dr. Ola Taani, Dr. Muhammad Masa'idah, Dr. Atka Khadr, Dr. Musab Abu Al-Adous, and Dr. Salwa Alawneh and engineer Sami Mashaqba. There are also two students in the committee: Nagham Soboh and Abduallah Na'amneh.



Hijjawi Faculty for Engineering Technology Holds a Ramadan Iftar for its Students and the Faculty and Administrative Staff

Hijjawi Faculty for Engineering Technology held a Ramadan iftar for its students and the faculty and administrative staff in the faculty building, in the presence of the Dean of the faculty, Dr. Mwaffaq Otoom. More than two hundred students from various academic departments in the faculty participated in the Iftar. Several active student teams in the faculty participated in organizing the event: CEIBA, E-Committee, IEEE YU SC, ASEE, and Analyzer.

The iftar began with a speech from Dr. Mamoun Al-Shamali, the imam of the university mosque, and a speech from Dr. Muhammad Rawhi Al-Rawashdeh from the Department of Communications Engineering. The Maghrib prayer was performed and followed by cultural, scientific, and religious competitions, and symbolic prizes were distributed to the winners. The meeting was attended by Professor Dr. Zaid Batayneh, Dr. Ahmed Al-Quran, Deputy Deans, Engineer Sami Mashaqbeh, Assistant Dean for Student Affairs, Dr. Musaab Abu Al-Adous, Head of the Civil Engineering Department, and Dr. Mahmoud Masaada from the Computer Engineering Department.

The Dean of the Faculty, Dr. Mwaffaq Otoom, praised the efforts made by the students from the various student teams in organizing the event, stressing the importance of these meetings between the students and the faculty staff in providing an open discussion between the students and their professors.



Hijjawi Faculty for Engineering Technology Hosts "Ana Usharek" Initiative

Ana Usharek program is a partnership between the Crown Prince Foundation and the National Democratic Institute and is funded by the United States Agency for International Development. The program aims to build capacities and skills regarding effective political participation, social work and youth empowerment. Representatives of the program explained the new election law, developed following the reform visions of His Majesty King Abdullah II. Eng. Sami Al-Mashaqbeh, the Assistant Dean for students' affairs, welcomes the program representatives.



Hijjawi Faculty for Engineering Technology Hosts Representatives of the Deanship of Student Affairs to Discuss the New Regulations for the Student Union 2024

Hijjawi Faculty for Engineering Technology hosted representatives of the Deanship of Student Affairs to talk about the new regulations for the Student Union for the year 2024, which were issued recently. Representatives of the Deanship of Student Affairs provided details about the electoral process, candidacy conditions, and election mechanism. Note that the Yarmouk University Student Union elections are scheduled to take place before the end of the current second semester. The meeting was held in the Wissam Bushnak Hall in the Hijjawi Faculty of Engineering Technology building. The meeting included a discussion with interested students.



Students Activities

A Group of the Hijjawi Faculty for Engineering Technology Students Participates in a Competition Entitled "IEEE Pitchinno"

A group from Hijjawi Faculty for Engineering Technology students participated in a competition entitled "IEEE Pitchinno," which was held at the Queen Rania Center for Teacher Training at the University of Jordan. The goal of this competition is to enhance the spirit of innovation and leadership among students, and to encourage them to develop their own projects and turn them into reality. In addition, the competition provides a platform for interaction and shared learning among the students, thinkers and innovators participating in the event.

This competition reflects the commitment of the Hijjawi Faculty for Engineering Technology at Yarmouk University to developing the innovative capabilities of students and enabling them to realize their creativity and innovation. It also enhances the pioneering spirit among students and encourages them to actively participate in developing society and contributing to the scientific and national renaissance.



The Hijjawi Faculty for Engineering Technology Organizes the IEEE Day



The Hijjawi Faculty for Engineering Technology at Yarmouk University organized the IEEE Day events, as an annual event that brings together engineers and students specializing in electrical and electronics engineering to exchange valuable ideas and experiences that enrich the academic and practical journey of students.

The Dean of the Faculty, Prof. Mwaffaq Ootom, emphasized the support and interest of Yarmouk University in student activities, pointing out the importance of engaging in these activities for their significant impact on developing the student's personality and preparing them for post-graduation.

He added that organizing this day at the Hijjawi Faculty for Engineering Technology represents not only a celebration of technology and engineering, but also an opportunity for students to grow professionally and personally through direct interaction with thought leaders and practitioners in their field.

Prof. Zaid Bataineh, the Vice Dean and Academic Advisor of the Student Branch of the Institute of Electrical and Electronics Engineers at the Hijjawi Faculty for Engineering Technology, welcomed the participants, emphasizing the importance of volunteer work in building the student's character and the vital role that the "Institute" plays in enhancing the university experience, especially in the field of electrical engineering, highlighting the opportunities provided by the Institute for networking and benefiting from diverse experiences in various fields.

The activity included an exhibition of the achievements of the student branches of the communities affiliated with the Institute, which are eight branches: the Computer Society, the Power and Energy Society, the Communications Society, the Industrial Applications Society, the Robotics and Automation Society, the Engineering in Medicine and Biology Society, the Aerospace and Electronic Systems Society, and the Women in Engineering Society.

The event provided students with the opportunity to discuss their questions and inquiries with a group of professors and experts, including Dr. Sherif Abdelrazek and Dr. Mohammed Ruhaishda from the Department of Communications Engineering, and Dr. Yusra Obaidat from the Department of Electronics Engineering at the faculty. These sessions were concluded with a dialogue and comprehensive answers that enriched the students' knowledge.

Engineer Mustafa Al-Aqrabawi, the President of the Young Professionals, also delivered a detailed lecture on the role of IEEE and its importance in shaping the future of young engineers.



YU IEEE AESS and the Robotics Team Organize the RoboVega Conference

The Institute of Electrical and Electronics Engineers, represented by the Space and Electronic Systems Society, in cooperation with the Robotics team at the Hijjawi Faculty for Engineering Technology at Yarmouk University, organized the RoboVega conference, the first of its kind in the field of robotics and space, in which students from the University of Science and Technology participated, in addition to the University of Jordan, Irbid Private University, and several other universities.

The conference aims to enhance awareness of the fields of robotics and space among university students in Jordan and provide a platform for exchanging experiences and knowledge among them. The conference included many activities, including lectures from experts in the field of robotics and space, such as talking about the universe and learning more about sustainable development in space and its engineering applications, in addition to designing and programming robots and other interesting topics.

The head of the AESS, student Hassan Abu Sreis, expressed his happiness at organizing the first conference of its kind, stressing the importance of this conference in enhancing students' skills in the field of robotics and space. He thanked Dr. Ola Al-Taani and Dr. Dalal Zureikat for their continued support for this conference, and to the Deanship of the Hijjawi Faculty for Engineering Technology and all the volunteers and organizers of this event.



The head of the Robotics team, Mohamed Al-Zumt, said that the conference was a great success, leading to the attendance of more than 150 male and female students, and that the team had presented several engineering projects to be presented at the conference, which the students had worked on under the supervision of engineer Mohamed Al-Saadi, and he praised the great efforts he made by Professor Zaid AlBataineh and Engineer Muhammad Al-Saadi for their continuous support of the students. He added that the reason for this success was after the hard work of both the organizational team and the creative volunteers to make this conference a cause for pride among Jordanian universities.

Dr. Ola Al-Ta'ani indicated that the conference contributed to strengthening communication between engineering students and other faculties interested in the field of robotics and space and exchanging experiences and knowledge between them. While Professor Dr. Zaid Batayneh, supervisor of the Institute of Electrical and Electronics Engineers and the volunteer Robotics team, stressed that the conference contributed to enhancing the status of Yarmouk University and the effective role of students in it.

The Dean of the Hijjawi Faculty for Engineering Technology, Professor Dr. Mwaffaq Otoom, also spoke that this type of conference and event enhances the entrepreneurial spirit among students and encourages them to actively participate in developing society and contributing to the scientific and national renaissance.



Students from the Hijjawi Faculty for Engineering Technology Participate in the Middle East Conference for Students and Young Professionals (IEEE MESYP 2024)

Within the framework of the efforts of the Hijjawi Faculty for Engineering Technology at Yarmouk University, to enhance communication and interaction between its engineering communities with other engineering communities in the Middle East and to expand its network to reach the largest number of male and female engineers and its keenness to develop the skills of its students and prove their presence in various events; A number of students from various departments at the Hijjawi Faculty for Engineering Technology participated in the Middle East Conference for Young Students and Engineers "IEEE MESYP 2024," which was held in the capital of the Hashemite Kingdom of Jordan, Amman, under the patronage of the Minister of Culture, "Haifa Al-Najjar," over two consecutive days.

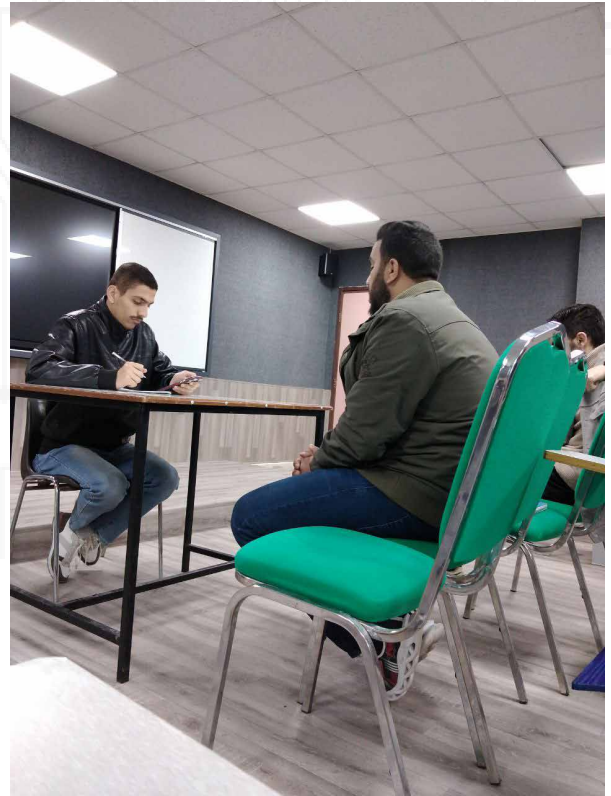
It is considered the largest and first conference in Jordan in the field of space and astronomy, organized by youth, as it brought together innovators, including engineers, students, and young professionals from fourteen different countries in the Middle East region under one roof. The conference focused on several aspects in the field of space and astronomy and presented many workshops and lessons from specialized speakers from various regions of the Middle East.

The conference also touched on the cultural aspect, as an activity was held on the second day highlighting the cultural diversity that the conference holds and the endeavor to highlight Jordanian culture in this forum.



A Qur'anic Competition for the Students of the Hijjawi Faculty for Engineering Technology

A Qur'anic competition was held for students of the Hijjawi Faculty for Engineering Technology to encourage students to invest their free time during the holy month in memorizing the Qur'an, in addition to creating an atmosphere of good competition among faculty students. The event was held in the Smart Hall in the Hijjawi Faculty for Engineering Technology building for two consecutive days. The activity included a number of sections, including reciting the surah to a judging committee consisting of a group of students who have memorized the Holy Qur'an, announcing the names of the winners, and distributing prizes to the first three places. The competition was organized by the Engineering Committee volunteer team.



A Field Visit to the Telecommunications Regulatory Commission Organized by YU IEEE ComSoc

Communications Engineering Society Branch at Yarmouk University (IEEE ComSoc) organized a field visit to the Telecommunications Regulatory Commission (TRC) building in Amman, under the supervision of Dr. Sharief Abdel-Razeq/Branch Advisor, where the services provided by the TRC to the telecommunications sector in Jordan were presented. The students also visited the TRC's departments to learn more about the instruments and software that are used in monitoring and regulating the frequency spectrum in Jordan.



YU IEEE CS Holds a Meeting for its Members

The IEEE Computer Society at Yarmouk University held a meeting with members to discuss future plans, upcoming activities, and members' interests. Furthermore, the members discuss some of the programs that students can benefit from through their membership of the IEEE Computer Society.



YU IEEE CS Launches an English Language Club

The IEEE Computer Society at Yarmouk University launched an English Language Club in cooperation with Speakology and AIESEC at the PHU Building in ZINC. The opening ceremony included a workshop on the internships and volunteer programs outside Jordan that AIESEC offers to students, in addition to interactive activities to develop the students' English language skills. This event was the start of the English Language Club, which will be held weekly for society members at the IEEE CS YU office in the Computer Engineering Department



YU IEEE CS in Partnership with Infiniti Team, Launches the "People for People 5" initiative

The YU IEEE CS in partnership with Infiniti team, launched the "People for People 5" initiative, which is held annually in Ramadan and aims to provide the basic nutritional needs of needy families. More than 287 parcels were distributed throughout the city of Irbid and the Jordan Valley in its fourth consecutive edition. This year, the initiative will include more areas and reach a greater number of needy people with 300 volunteers.



YU IEEE CS Organizes a Mastering Networks Workshop

The YU IEEE CS organized a Mastering Networks workshop presented by Ahmed Abu Khait, a network engineering student at the University of Science and Technology. He holds a CCNA and Network+ certificate and is a Network Penetration Tester. He has previously presented several workshops and courses in the field of network security and cybersecurity. In the workshop, the presenter explained the definition of networks, the main terms in the field, types of networks, forms of network connection, devices used in the network, and a detailed explanation of each layer in the network and network protocols.



YU IEEE AESS in Collaboration with YU IEEE ComSoc Organizes a Workshop Entitled "Satellite: From Basics to Applications"

The YU IEEE AESS, in collaboration with IEEE ComSoc, organized a workshop entitled: Satellite: From Basics to Applications, presented by Dr. Sharief Abdel-Razeq. The workshop was held at Wissam Bushnaq Hall at the Hijjawi Faculty for Engineering Technology building. The workshop discussed topics such as: The concept of satellites and space communications, history of satellites, advantages and disadvantages of space communications, main components of satellites, satellite orbits, satellite launching process, applications of Satellites, Examples include: Nilesat, GPS, Hubble, and Starlink, and the future of space communications.



YU IEEE AESS in Collaboration with the Astronomical Society in Al-Qatif Organizes a Workshop Entitled "On Redshift and Blueshift from Physics to Astronomy"

The YU IEEE AESS, in collaboration with the Astronomical Society in Al-Qatif organized a workshop entitled: On Redshift and Blueshift from physics to astronomy, which was presented by Dr. Hanna Sabat, the Vice President of the Jordanian Astronomical Society and the Director of Scientific Affairs at the Regional Center for Space Science and Technology Education for Western Asia. The workshop discussed topics such as: Fundamentals of Electromagnetic Radiation and Astronomical Observation, Mechanisms of Radiation and the Doppler Effect, Redshift and Blueshift: Concepts and Applications, General Theory of Relativity, Gravitational and Cosmological Redshift, and Redshift due to 'Tired Light' and the Halton Arp Theory.



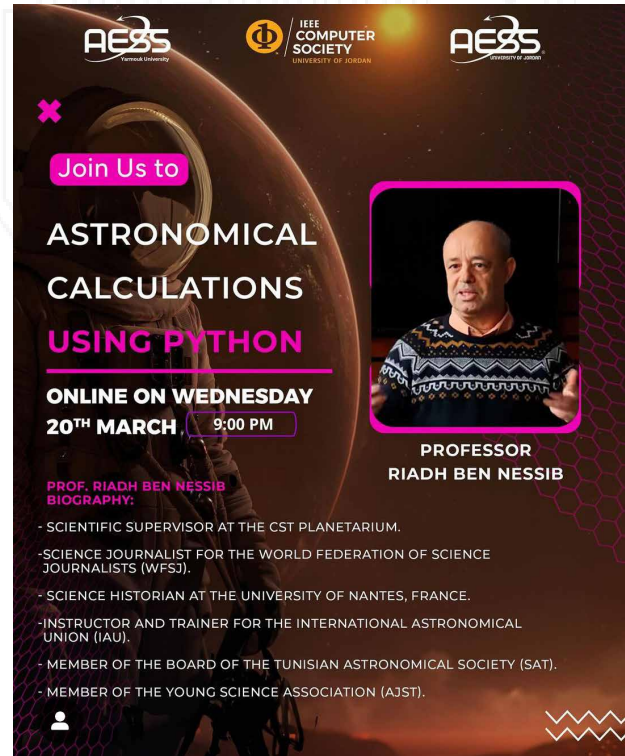
YU IEEE AESS Organizes a Lecture on the Fundamentals of Space Science

The YU IEEE AESS organized a lecture on Fundamentals of Space Science, presented by Dr. Hanna Sabat, Dr. Qais Omari and Dr. Ammar Sakaji from the the United Nations Regional Centre for Space Science and Technology. The workshop Reviewed topics such as: Mathematical and physical introduction, basics concepts in astronomy, fundamentals of the rotational movement of planets, electromagnetic radiation, and satellites and their applications.



YU IEEE AESS Organizes a Workshop on Astronomical Calculations Using Python

The YU IEEE AESS organized a workshop on Astronomical calculations using Python, presented Professor Riadh Ben Nessib. The workshop Reviewed topics such as: Defining "Learning Astronomy with Python", history of astronomy, and Introduction to Python and coding examples in Python.



YU IEEE AESS Organized a Workshop Entitled "Exploring and Interpreting the Scientific Miracles in the Quranic Verses Related to Astronomy"

The YU IEEE AESS organized a workshop titled: Exploring and Interpreting the Scientific Miracles in the Quranic Verses Related to Astronomy, presented Prof. Hussein Al Omari from Mutah University. The workshop Reviewed Quranic verses related to astronomy and interpretation of the scientific miracles in these verses, and concluded by discussion and interaction with the participants.



YU IEEE CS Organizes a UX/UI Design Workshop

The YU IEEE CS held a UX/UI Design workshop presented by Raghad Al-Shawaheen -- She is a website developer, user experience designer, and front-end designer at Wajeez Company. The workshop covered the following topics: the difference between ease of use, user experience design, and user interface design, reasons for achieving the best user experience and product success, and do a person need a scientific background in technology and programming to become a user experience designer. The workshop was held in the Zinc Hall in the Prince Hussein bin Abdullah Building.



"Injaz Incubator" Adopted the Teams Who Won in the Nutrition Entrepreneurship Technical Competition (NETC)

The Nutrition Entrepreneurship Technical Competition (NETC) is a competition that was held at the Hijjawi Faculty for Engineering and Technology, which spotted the light on entrepreneurial solutions for various nutritious problems involving the latest technology. Winners were rewarded by NETC sponsor "Injaz Incubator" with incubating the top three teams as they share the vision of enabling youths by supporting their entrepreneurial projects to turn them to an efficient startup with high added value to the community.



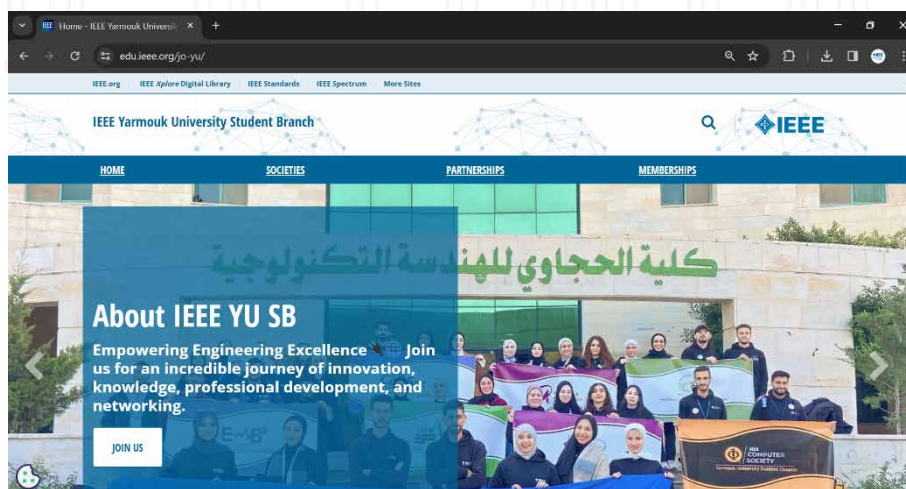
YU IEEE EMBS Student Chapter Organizes a Visit to Mafaz Company and Omar Bin Al Khattab Center for Prosthetic Limbs

The YU IEEE EMBS organized a trip to Mafaz Medical for prosthetics and orthotics and Omar Bin Al Khattab Center for Prosthetics and Orthotics. Mafaz Company toured different workshop areas with an explanation of each's purpose. They introduced and discussed the various types of prosthetics available today, including lower limb prosthetics, upper limb prosthetics, and advanced myoelectric. Then we visited the Omar Omar Bin Al Khattab Center for For Prosthetics and Orthotics. They took us on a tour of the laboratory, showed us the different types of prosthetic limbs and orthotics, and explained to us about the gait cycle. At the end, they answered students' questions. The students had the opportunity to touch the real life of prosthetic limbs and see the practical side of the academic courses. The visit was supervised by Dr. Atika Khider and Eng. Sami Almashaqbeh from the Department of Biomedical System and Informatics Engineering.



Launching the IEEE YU SB Official Website

The IEEE Yarmouk University Branch has always been keen on excellence and creativity in all fields. IEEE YU SE are pleased to announce the long-awaited launch of the official website. This platform contains a comprehensive range of resources and information relating to the main institute, along with updates on important events, news and activities we are doing. This achievement represents a critical step in aligning with the global principles that define IEEE science.



Celebrating the 10th Anniversary of the Founding of the IEEE Students Branch at YU

The IEEE Student Branch at Yarmouk University (IEEE YU SB) joyfully commemorates its tenth anniversary, marking a decade of impactful presence. The IEEE YU SE proudly honor the institute's rich heritage and its exceptional advancements in engineering and technology. As one of the leading student branches in the kingdom, the IEEE YU SE embrace this distinction with gratitude, acknowledging the unwavering commitment and determination of the remarkable team and esteemed members.



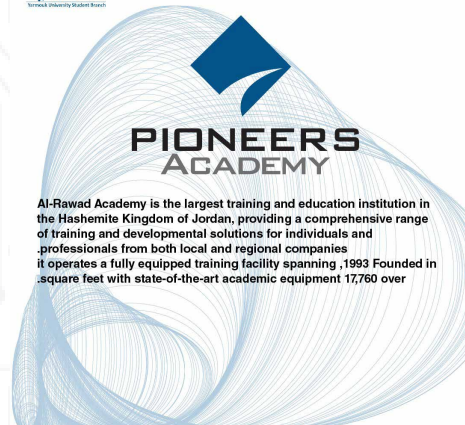
Celebrating the 10th anniversary
of the founding of the IEEE Students
Branch YU



IEEE YU Student Branch Has Collaborated with Many Companies and Student Teams

The IEEE Student Branch at Yarmouk University (IEEE YU SB) has collaborated with many companies and student teams to strengthen partnerships and achieve shared success. The following is a short profile of each:

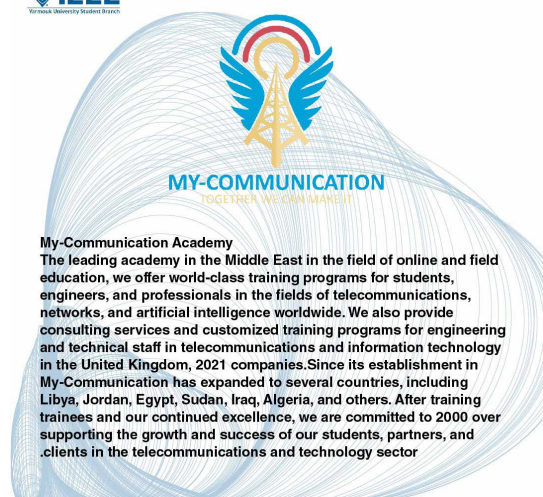
Pioneers Academy is the largest training and education institution in the Hashemite Kingdom of Jordan, providing a comprehensive range of training and developmental solutions for individuals and professionals from both local and regional companies. Founded in 1993, it operates a fully equipped training facility spanning over 17,760 square feet with state-of-the-art academic equipment.



SHAI for AI is an outstanding Arab technology company that focuses on spreading the knowledge of artificial intelligence and its technologies across all sectors. Its aim is to create future generations equipped with the necessary scientific and practical tools to empower the Arab market with artificial intelligence applications, modern technology, and data science. The company achieves this by providing consultations, training programs, and developing intelligent solutions for businesses.



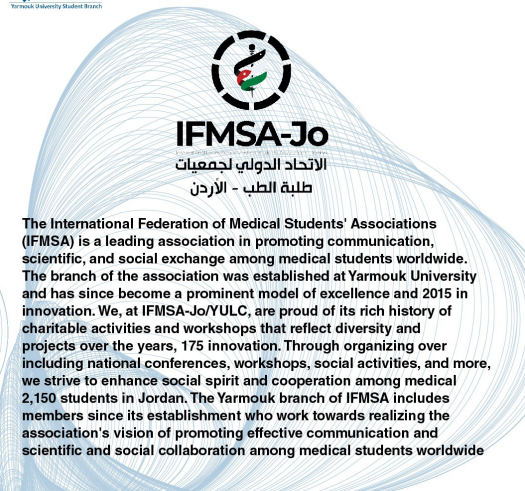
My-Communication Academy is the leading academy in the Middle East in the field of online and field education. We offer world-class training programs for students, engineers, and professionals in the fields of telecommunications, networks, and artificial intelligence worldwide. We also provide consulting services and customized training programs for engineering and technical staff in telecommunications and information technology companies. Since its establishment in 2021 in the United Kingdom, My-Communication has expanded to several countries, including Libya, Jordan, Egypt, Sudan, Iraq, Algeria, and others. After training over 2000 trainees and our continued excellence, we are committed to supporting the growth and success of our students, partners, and clients in the telecommunications and technology sector.



Google Developer Student Clubs (GDSC) is a student team aimed at developing students' skills in technology and programming. It is run by students and supported by Google. The club aims to provide opportunities for learning, innovation, and communication in the field of technology. The club organizes events, workshops, competitions, lectures, field visits, and more to enhance students' technical, communication, and leadership skills. Members can connect with developers and experts, access educational resources, training opportunities, and receive professional guidance. GDSC YU was founded in 2019 and currently boasts over 300 active members registered on the official website. Membership is entirely free, and all our offerings for students are provided at no cost.



The International Federation of Medical Students Associations (IFMSA) is a leading association in promoting communication, scientific, and social exchange among medical students worldwide. The branch of the association was established at Yarmouk University in 2015 and has since become a prominent model of excellence and innovation. We, at IFMSA-Jo/YULC, are proud of its rich history of charitable activities and workshops that reflect diversity and innovation. Through organizing over 175 projects over the years, including national conferences, workshops, social activities, and more, we strive to enhance social spirit and cooperation among medical students in Jordan. The Yarmouk branch of IFMSA includes 2,150 members since its establishment who work towards realizing the association's vision of promoting effective communication and scientific and social collaboration among medical students worldwide.



The IEEE YU SE Lunched a Charity Campaign Entitled "Dreams"

The Institute of Electrical and Electronics Engineers Branch at Yarmouk University (IEEE YU SB) lunched a charity campaign, which bears the name "Dream Chain" This initiative follows a series of purposeful extracurricular activities, where we aim to shed light on life in orphanages, nursing homes and cancer patients, and engage in other endeavors related to humanity.



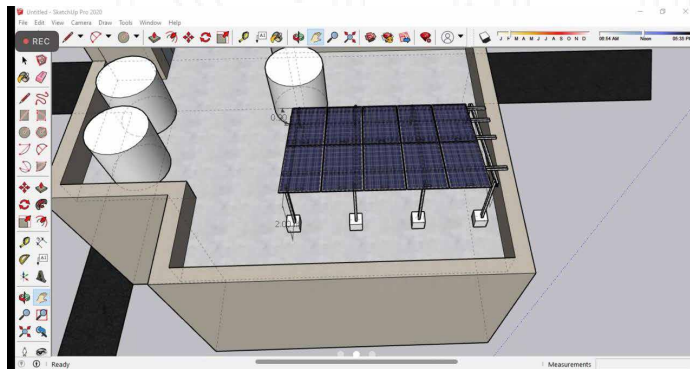
YU AEE Organizes a Workshop Entitled "Concentrated Solar Power (CSP)" as Part of "Energy Month" Lectures Series

"Energy Month" is a lecture series organized by the Association of Energy Engineers (AEE) at Yarmouk University aimed at providing students at the Hijjawi Faculty of Engineering Technology. A new special topic was presented to show the other part of solar energy world, Concentrated solar power (CSP). Eng. Mohammad afaneh started the online lecture with a comparison between PV solar power and solar thermal power, then introduced some mirrors for famous types of CSP systems, and explained the basic parts, types, advantages and disadvantages of CSP systems. Finally, the presenter answered the audience questions, while giving advice to the passionate engineers who are aspiring to work in the energy field.



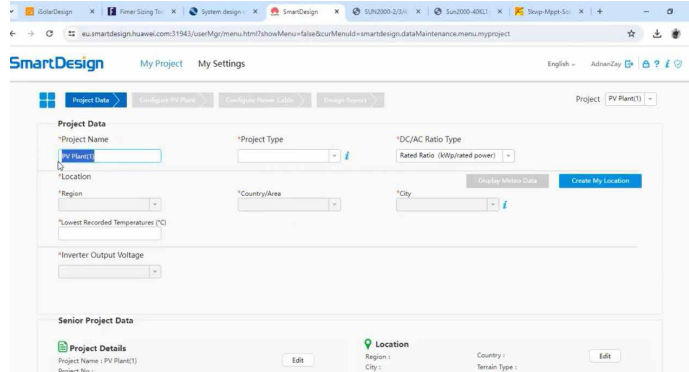
YU AEE Organizes a Workshop Entitled "Introduction to Sketchup" as Part of "Energy Month" Lectures Series

"Energy Month" is a lecture series organized by the Association of Energy Engineers (AEE) at Yarmouk University aimed at providing students at the Hijjawi Faculty of Engineering Technology. The lecture was presented online by Eng. Adnan Zaytoon, who contributed to several MW's PV projects in Jordan and established some renewable energy systems companies and training academies. Eng. Adnan, explained the common tools in Sketchup, and use interactive project while the attendees apply it step by step. He also explained the common standards of PV-systems in Jordan, like the spacing between the PV panels and substrate blocks and tilt angles. Finally, Eng. Adnan respond to questions regarding the Sketchup software.



YU AEE Organizes a Workshop Entitled "Sizing Tools such as: StringSizer and SmartDesign" as Part of "Energy Month" Lectures Series

"Energy Month" is a lecture series organized by the Association of Energy Engineers (AEE) at Yarmouk University aimed at providing students at the Hijjawi Faculty of Engineering Technology. The lecture was presented online by Eng. Adnan Zaytoon, who contributed to several MW's PV projects in Jordan and established some renewable energy systems companies and training academies. Eng. Adnan introduced to some sizing tools such as String sizer and SmartDesign. He showed the step-by-step procedure of the basic important calculations using these software, such as: the calculation of some strings and mppt connections, in addition to sizing the inverter and the pic cells. Eng. Adnan ended the lecture by answering some of our common questions regarding the software in an applicable manner.



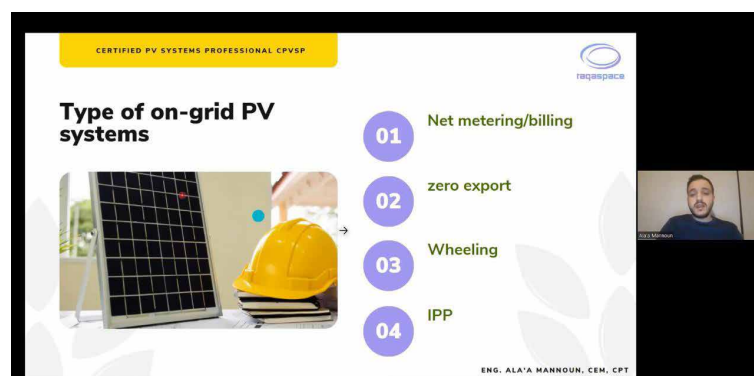
YU AEE Organizes a Workshop on "Solar Thermal Collector" as part of "Energy Month" Lectures Series

"Energy Month" is a lecture series organized by the Association of Energy Engineers (AEE) at Yarmouk University aimed at providing students at the Hijjawi Faculty of Engineering Technology with the fundamentals of solar energy system. The third lecture, which was delivered by Eng. Nidal Abdallah from the royal scientific society - National energy research center (NERC), introduce Solar Thermal Collector. Eng Nidal introduce some of the instrumentation used in measuring different solar quantities such as Irradiation (G) and others. Also, common types of solar thermal collectors and their typical efficiencies were presented including some local made solar collectors.



YU AEE Organizes a Workshop on the "On-grid PV-System" as part of "Energy Month" Lectures Series

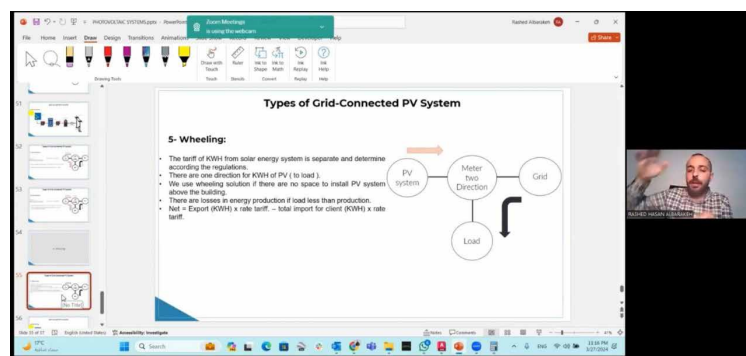
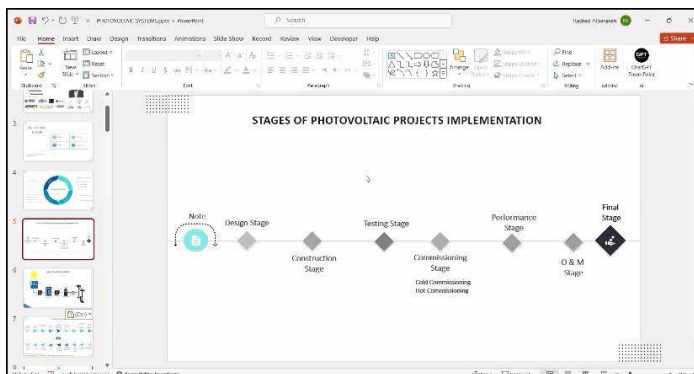
"Energy Month" is a lecture series organized by the Association of Energy Engineers (AEE) at Yarmouk University aimed at providing students at the Hijjawi Faculty of Engineering Technology with the fundamentals of solar energy system. The first lecture was an introduction to the renewable energy world presented by entrepreneur Ala'a Manon. Some renewable energy resources such as: hydro power and wind power were discussed briefly with emphasis on PV-systems especially the On-grid PV-systems. The presenter discussed all aspects of PV technologies including the types of the on grid PV-system.



YU AEE Organizes a Workshop on the "Stages of Building a Solar Power Plant" as Part of "Energy Month" Lectures Series

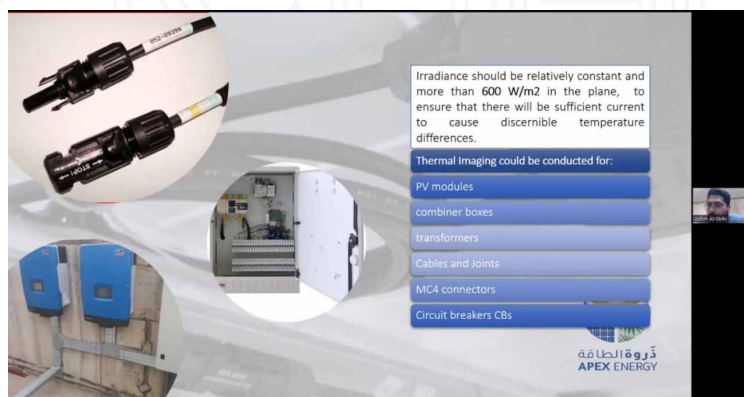
"Energy Month" is a lecture series organized by the Association of Energy Engineers (AEE) at Yarmouk University aimed at providing students at the Hijjawi Faculty for Engineering Technology with the fundamentals of solar energy system. In the first session, Eng. Rashed Albarakeh, a lead engineer and a trainer who has work on several MW's solar plants introduced all stages in building a solar power plant from planning and design to testing and operation. Eng. Rashed Albarakeh explained the design stages, construction stages, and some common problems to avoid early. Furthermore, the presenter gave some tips in testing and standards, and finally concluding the lecture by answering attendee questions.

In the second session, Eng. Rashed continued explaining the phases in building a solar power plant. He started the lecture by testing the attendees about the basic knowledge in on-grid PV, then he explained the commissioning and performance stages, and gave some advice to future engineers who will face similar problems in the field. Finally, Eng. Rashed explained the operation stage while answering common attendee's questions.



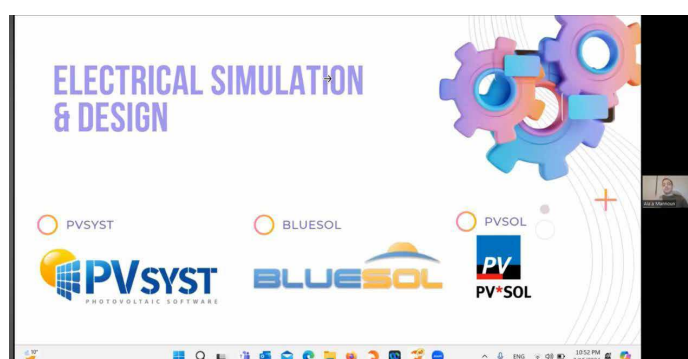
YU AEE Organizes a Lecture on "Testing Techniques of Solar PV Systems" as Part of "Energy Month" Lectures Series

"Energy Month" is a lecture series organized by the Association of Energy Engineers (AEE) at Yarmouk University aimed at providing students at the Hijjawi Faculty for Engineering Technology with the fundamentals of solar energy system. An online lecture presented by Eng. Adham Al-sbihi, an expert in solar PV testing where he has tested several MW's projects, to explain in details the testing mechanism in solar PV systems. Some visual problems in solar PV systems were explained including some of the common IEC codes used in testing. The presenter gave some valuable advices to the student who wish to work in testing PV system. Finally, the lecturer answered questions related to the testing techniques.



YU AEE Organizes a Workshop on "PV Systems Sizing and Installation" as Part of "Energy Month" Lectures Series

"Energy Month" is a lecture series organized by the Association of Energy Engineers (AEE) at Yarmouk University aimed at providing students of the Hijjawi Faculty of Engineering Technology with the fundamentals of solar energy system. The second lecture introduce some PV systems sizing components and installation ideas in addition to some popular software used in PV-systems design, analysis, simulation, and steel structuring for the substrate. the presenter, eng.Ala'a Mannon, spoke about Global Solar Atlas and it's enormous data regarding the location of the land and it's insolation history. Furthermore, Eng.Ala'a Mannon discussed one of the most important software that are used in PV- system installation, which is Pvsyst, and its common uses and capabilities in simulation and computation.



The CEIBA Team Organizes an Intensive Course on Excel Program

The CEIBA Team organized a course entitled "the Excel Revolution" which provided participants with a transformative journey into advanced Excel skills and their practical applications. The course, which was Presented by student Mohammad Obeid, comprised seven comprehensive lectures, each addressing fundamental and advanced aspects of Excel usage and data analysis. Throughout the lectures, participants were introduced to fundamental Excel concepts and techniques, including data input, formatting, and basic functions. Advanced topics such as data analysis using PivotTables and PivotCharts, as well as advanced functions like IF, VLOOKUP, were covered in detail. Moreover, the course delved into data management techniques such as splitting data, removing duplicates, and protecting files with passwords. Participants also learned about electronic management tools like Online Sheets and Google Forms for efficient data collection and management.

The course concluded with a comprehensive review of all topics covered, providing participants with practical skills and knowledge to excel in their professional and academic pursuits. Certificates were awarded to the participants who successfully complete the course by Eng. Sami Al-Mashaqbeh, team supervisor and assistant dean for students' affairs.



GDSC YU Team at the Hijjawi Faculty for Engineering Technology Organizes a Workshop on Soft Skills

GDSC -YU Team Organized a Workshop on Soft Skills. The workshop addressed some practical strategies for problem-solving in personal and professional contexts, such as: critical thinking, creativity, and decision-making. Through interactive activities and discussions, participants gained insights who to apply the skills in their daily lives. The workshop was presented by student Istabraq Sameer.



The Engineering Committee Team Organizes a Scientific Lecture on the Python Language

The Engineering Committee team at the Hijjawi Faculty for Engineering Technology organized a scientific lecture on the Python language. The event was held in the smart hall at the Hijjawi Faculty for Engineering Technology building. The lecture was presented by student Khaled Taim. The workshop included an introduction to the programming language, its history, its most important features, and many of its applications. It also included a correction of some concepts regarding this programming language and the way to start learning it. The lecture ended with interaction with the students and answering their questions.



Student Abdullah Na'mneh Participate in the Jordanian Sustainability Lab Workshop on "Sustainability and Climate Change "

Student Abdullah Na'mneh participated in the Jordanian sustainability lab workshop, which provided the participant with extensive practical knowledge about sustainability and climate change, and how to be an eco-influencer, and adopts a sustainable lifestyle. The workshop discussed issues such as: Analyzing the drivers, causes & effects of global environmental threats, the political economy of the global environment, building an alternative framework for sustainable development, environmental justice and its importance, communities, refugees, and sustainability, sustainability, climate change, and innovation, environmental reporting strategies, and elements of environmental policy papers.



Students from the Hijjawi Faculty for Engineering Technology Participate in Organizing the Middle East Students for Young Professionals Congress (MESYP23)

Hassan Abu Sarris, the Chairman of Aerospace and Electronic Systems Society (AESS), participated in the marketing team alongside students Ryan Alefan, Rasha Qaraa, and Rahaf Al-Maqdadi in the public relations team at the IEEE R8 MESYP conference. Moreover, the Robotics and Automation society chairwoman, Rahaf Almgdady participated in organizing the conference.



The conference was held at the Hilton Hotel in Amman. MESYP23 is an international conference organized by IEEE R8 MESYP, bringing together engineering students and young professionals to provide technical education and cultural exchange.

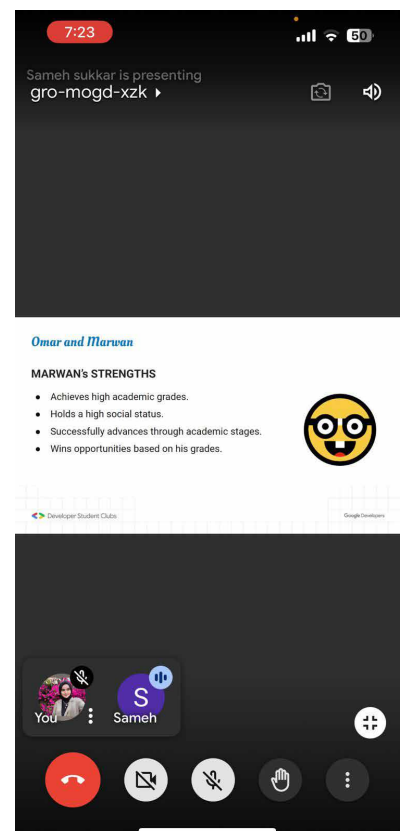
Students from the Hijjawi Faculty of Engineering Technology Participate in the Accelerated Pathways to the Future of Learning and Work conference

A group of students from the Hijjawi Faculty for Engineering Technology and the Faculty of Information Technology participated in the Accelerated Pathways to the Future of Learning and Work (HTUx 2033) conference, which was organized by Al-Hussein Technical University and in collaboration with the Crown Prince Foundation. During the conference, which was under the patronage of His Excellency Professor Dr. Azmi Mhafza, the Minister of Higher Education and Scientific Research, three initiatives were launched for the (HTUX.ORG) platform, which is considered the first Arab digital learning platform of its kind. The first of which entitled "Nomu", was providing 4,000 free of charge opportunities for Jordanian youth, including graduates and final-year students at Jordanian universities, in addition to providing three free opportunities to 100 Jordanian schools for a total of 300 school students to take a robotics engineering course through the platform.



The Google Developer Student Club at the Hijjawi Faculty for Engineering Technology Organizes an Online Workshop Entitled "Elevate to the Next Level"

The Google Developer Student Club at the Hijjawi Faculty of Engineering Technology organized a workshop entitled "Elevate to the Next Level". Students from Yarmouk University, the University of Science and Technology, the Jordanian University of Islamic Sciences, and the University of Jordan participated in the workshop. Also, several students from Algeria and Egypt attended the workshop. At the beginning, The Google Developer Student Club was introduced to the audience. Several topics were explained, such as: Self learning, courses and scholarship websites, interactive games, and some useful artificial intelligence tools.



The Google Developer Student Club in Cooperation with IEEE RAS Organizes a LinkedIn Workshop

A LinkedIn course was organized by The Google Developer Student Club in cooperation with IEEE RAS. Lecturer Nooran Alsaqer, the public relation manager for the Google Developers Club, explained how to register on LinkedIn and how to benefit from it by finding a job, training, or meeting new people, developing skills, and increasing knowledge between countries



The Google Developers Club at Yarmouk University Holds a Workshop on the Skills Boost Initiative AI and Cloud Program

The Google Developers Club at Yarmouk University held a workshop on the skills boost initiative AI & Cloud program. Explanation of how to register for Google courses, that were paid and became free for two months, and acquire new skills approved by Google in the fields of AI and cloud. Upon completion of the training courses, students will receive certificates and a gift box from Google.

Join Our Info session

Skills Boost Initiative

AI & Cloud Programs

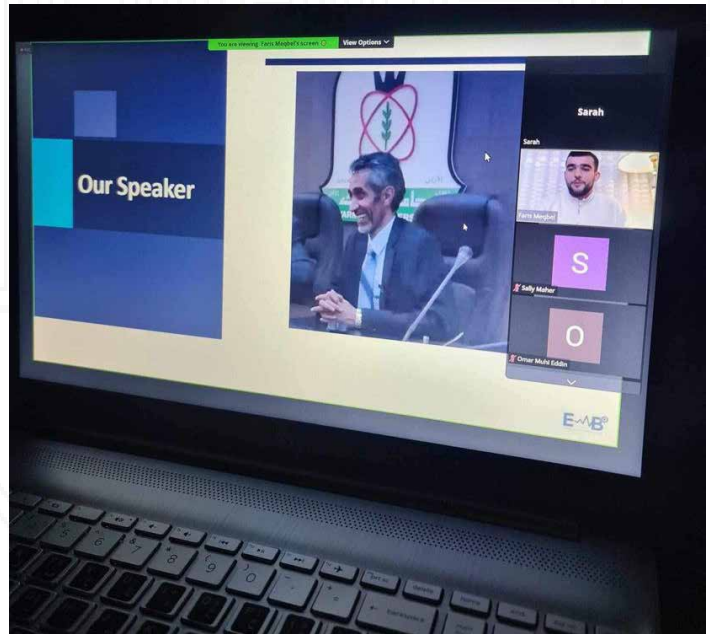
Online
google meet

Tuesday
26/3, 10:15 pm

**Hanan Nacer
Bouhadjam**
GDSC Algeria Facilitator

YU IEEE EMBS Organizes an Online Lecture Entitled “The Path to Excellence: The Aspiring Engineer’s Guide to Success”

The IEEE EMBS at the Hijjawi Faculty for Engineering Technology organized an online workshop presented by Prof. Awad Al-Zaben. The workshop included important and useful advice for all students and contained many directions that change the students’ perspective and thinking for the better. Prof. Al-Zaben also took the time to address all of the students’ questions, providing further clarity and inspiration for their academic journeys.



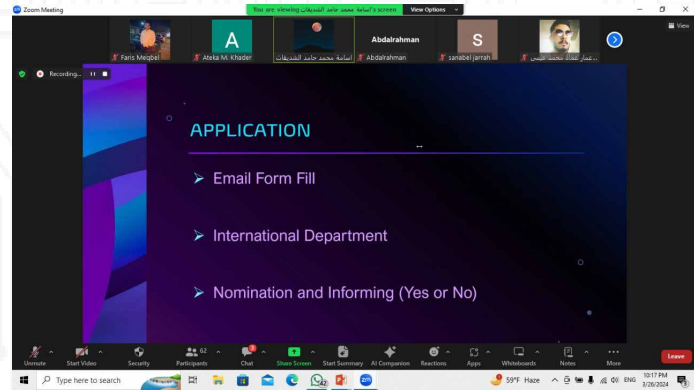
YU IEEE EMBS Student Chapter in Collaboration with the Goodness Seed Team Organizes an “iftar” for Orphaned and Needy Children

IEEE EMBS Student Chapter organized an iftar and game party for orphans on Saturday, March 19th, at King Abdullah Gardens in collaboration with Collaborated with the Goodness Seed volunteer team. We organized an iftar during the holy month of Ramadan for orphaned and needy children. The Iftar was in the gardens of King Abdullah II Ibn Al Hussein in Jordan. We held many activities including games in addition to Iftar.



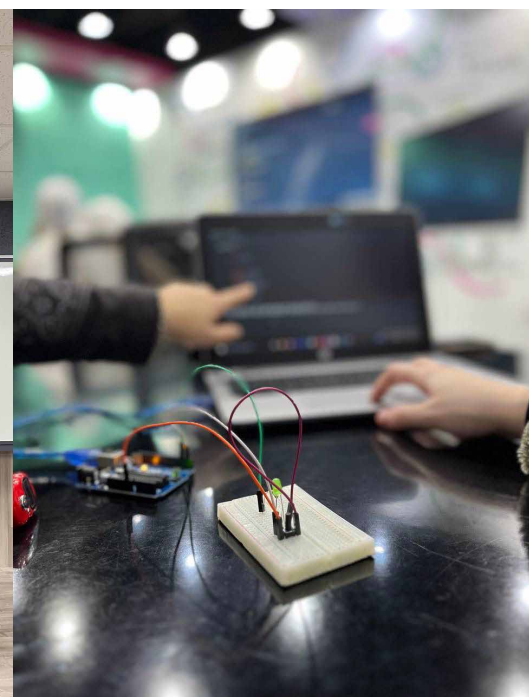
YU IEEE EMBS Student Chapter Organizes an Online Workshop Entitled "My Experience in Erasmus"

Eng. Osama Shadifat, a graduate of the Biomedical System and Informatics Engineering Department, presented an online workshop regarding his experience with the Erasmus program. He discussed the challenges he faced, how he overcame them, and the academic and personal benefits he gained. Eng. Osama also explained the application process for Erasmus, highlighting key steps to increase scholarship chances. He concluded by highlighting the Erasmus scholarships offered by the university, encouraging students to explore these opportunities. The workshop provided valuable insights for students interested in pursuing international academic experiences.



YU IEEE EMBS Student Chapter Organizes an Intensive Course on Arduino

The IEEE EMBS Student Chapter at Hijjawi Faculty for Engineering Technology organized an Arduino Course, of 18 training hours. The course was led by engineering students Mohammad Alkarasneh and Raneem Al-Badr in the Zinc Hall. Throughout the course, participants were introduced to Arduino and its tools, as well as motion sensors. Towards the program's end, students had the opportunity to work in groups and collaborate on an Arduino project.



YU IEEE IAS at the Hijjawi Faculty for Engineering Technology Organizes a Workshop on Supply Chain Management

The IEEE IAS Organized a Workshop on Supply Chain Management, presented by Eng. Marina Sweidan, Business Development Officer at MUHAKAT. The workshop focuses on supply chain management, a major component of industrial engineering. It is a crucial aspect of today's business landscape, enabling companies and institutions to thrive in the global market. The event enhances knowledge exchange and highlights cutting-edge techniques and technologies improving supply chain performance. Topics covered include analyzing supply chains, leveraging technology for efficiency, and fostering strong partnerships.



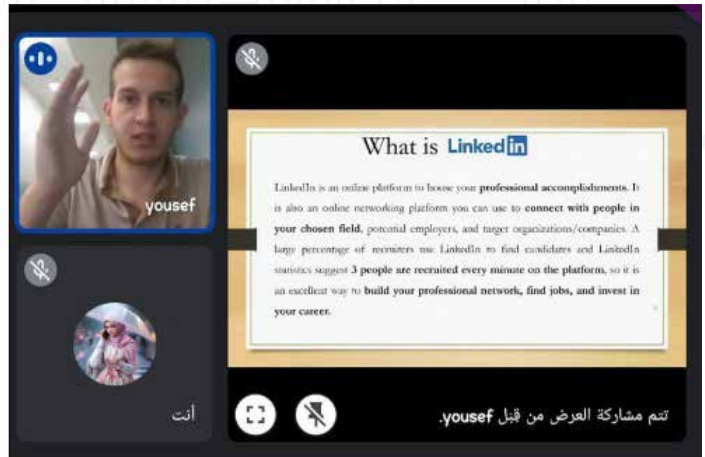
YU IEEE PES YU Community Organized a Short Course on Machine Learning

The IEEE PES YU at Hijjawi Faculty for Engineering Technology organized a short course on Machine Learning. The course, which was presented by Eng. Fares Al-Shamali highlighted the importance of machine learning in real-life applications. In a span of two weeks and 12 hours, participants gained insights into machine learning and its practical applications. The course was a valuable opportunity to learn from an experienced professional and explore various domains where machine learning is employed. The lectures were held in Zinc Hall and at the smart room in the Hijjawi Faculty for Engineering Technology Building.



YU IEEE RAS Organizes a Workshop Entitled "LinkedIn for Academic and Professional Success"

The Robotics and Automation Society at Hijjawi Faculty for Engineering Technology organized an enlightening online workshop titled "How LinkedIn Can Help You Achieve Your Next Target: Academic or Professional" presented by Eng. Yousef Abudyak, a distinguished alumnus of Yarmouk University, the session delved into the nuances of crafting a compelling LinkedIn profile and its profound impact on one's career and educational pursuits.



The workshop was not merely theoretical; Eng. Abudyak shared practical advice rooted in his personal experiences. He detailed the specific LinkedIn courses that catalyzed his career progression, emphasizing the accessibility of quality education through platforms like Coursera. Furthermore, he enlightened attendees about the opportunities for scholarships and financial aid available for such courses, democratizing access to education and professional development.

YU IEEE Student Chapter Organizes a Hackathon Entitled "The Innovative IoT Challenge Hackathon"

The Innovative IoT Challenge Hackathon took place at the Smart Hall in the Hijjawi Faculty for Engineering Technology, Yarmouk University. The hackathon aimed to address IoT challenges and promote innovation. Participants worked on their projects with support from IEEE mentors, utilizing advanced technology and collaborating with others. Overall, it was a successful event fostering creativity and problem-solving in the field of IoT.



YU IEEE RAS Organizes a Workshop on Artificial Intelligence

The IEEE Robotics and Automation Society at Hijjawi Faculty for Engineering Technology organized a two-hour workshop about the uses of Artificial Intelligence and the Metaverse in the world of Engineering, which was presented by Founder, CEO, and specialist in the Metaverse field Eng. Rami Al Damati. In which Eng. Rami discussed many important topics about said field such as the Ecosystem of the Metaverse and how important it is to implement it in our day to day lives, the many career opportunities that the metaverse has created and will keep on creating, and many different Metaverse projects and implementations such as Saudi's biggest upcoming projects Neom and The Line. He also discussed how many different search engines are implementing Ai into their programming. Last but not least, he guided attendees who are willing to learn more about the world of the Metaverse and provided many useful resources which provide free and paid courses on such topics.



The Official Lunching of YU AEE at the Hijjawi Faculty for Engineering Technology



The AEE YU student chapter was officially launched in the Hijjawi Faculty for Engineering Technology. AEE YU team members introduce students and faculty members to their vision and mission. Furthermore, they explain their plans and activities such as the Energy Month, a series of lectures on PV-cells technology and wind energy presented by experienced people in the field.

YU IEEE RAS Organizes a Workshop on "Computer Vision and the Smart Systems of Robotics"

The IEEE Robotics and Automation Society at Hijjawi Faculty for Engineering Technology organized a one-hour online workshop Computer Vision and the Smart Systems of Robotics. It was presented by Engineer Abdullah Abo Elyyan who has many achievements in the field and has experienced this incredible field hands-on. Many topics were discussed by Eng. Abdullah some of them being the definition of Artificial Intelligence and how it came to be. He also talked about a brief history of AI which helped attendees grasp a better understanding of terms like Machine Learning and Deep Learning and the difference between them. Eng. Abdullah then moved on to the main topic of the workshop and showed attendees what Computer Vision means hands-on by presenting his projects and other incredible projects in the field. He also discussed how Computer Vision could be used in many different sectors such as health, retail, construction, and traffic sectors. He then finished off by presenting resources he uses in his line of work and more resources which can be used to learn about this amazing and massive field.

What is Computer vision



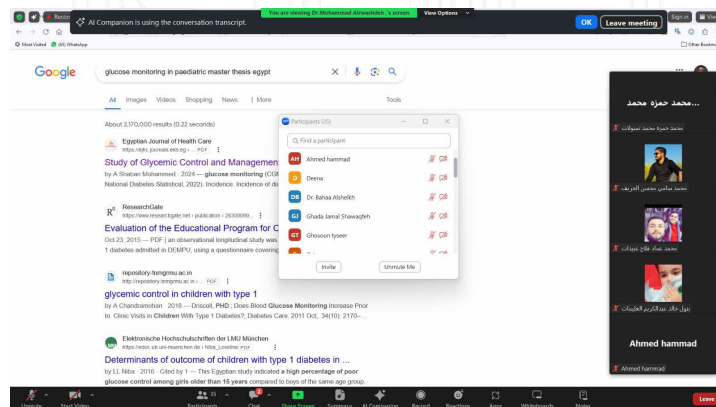
Meeting with IEEE Volunteers at The Hijjawi Faculty for Engineering Technology

A meeting with IEEE volunteers was held in the Smart Hall at The Hijjawi Faculty for Engineering Technology. The venue provided a conducive environment for productive discussions, equipped with modern technology and resources. During the meeting, volunteers actively participated in discussions on upcoming events, project planning, and collaboration opportunities. Their dedication and commitment were evident as they defined objectives, set timelines, and assigned responsibilities. The volunteers' collective effort and teamwork aimed to advance technology and benefit society.



The Robotics Team Organizes a Lecture Entitled "Thinking Outside the Box"

The Robotics team organized a lecture titled "Thinking outside the box regarding graduation projects from the point of view of scientific research and scientific papers" presented by Dr. Mohammad Al-Rawashdeh. Dr. Al-Rawashdeh's addressed and answered questions such as: What a research paper is? how to use several scientific research sites when coming up with ideas for engineering graduation projects? and the advantages of achieving excellence in the graduation project. Furthermore, the Robotics team organized a unique competition aimed at creating a sense of excitement and gave away a number of unique gifts, including a data analysis course presented by Shai company and unique drinks from Huqqa Cafe.



YU IEEE EMBS Organizes a Workshop Entitled "Tips and Tricks to Scientific Research"



The YU IEEE EMBS organized a workshop titled "Tips and Tricks to Scientific Research," presented by Shatha Badarneh. The workshop aimed to prepare participants for the scientific content Competition. Shatha discussed the differences between various types of scientific research, defined trusted sources for obtaining scientific research and explained the different types of papers. After that, a competition was held to choose the content team that was responsible for creating scientific articles and videos in EMBS.

The ASEE-YU Holds an Interactive Workshop Entitled “Dopamine Fasting”

The student branch of the American Society for Engineering Education at Yarmouk University (ASEE-YU) held an interactive workshop entitled “Dopamine Fasting” at the Hijjawi Faculty for Engineering Technology, in cooperation with the Faculty of Medicine. The workshop aimed to introduce participants to the term “dopamine fasting” and its effects on our daily lives. The workshop was presented by students from the faculty of Medicine, and the workshop included the following topics: What is dopamine, the effects of dopamine on our daily lives, what is dopamine fasting? How does dopamine fasting help us achieve and function? Why is dopamine fasting important in our lives? And 90-day dopamine fasting routine. The participants interacted greatly with the workshop content. The participants expressed their desire to implement the 90-day dopamine fasting routine to adopt healthy lifestyle habits.



The CEIBA Team at Hijjawi Faculty for Engineering Technology Organizes an Interactive Workshop on Photography Skill

The CEIBA team at Hijjawi Faculty for Engineering Technology organized an interactive workshop on Photography Skills. This workshop included an explanation of the basics of photography and an explanation of the most important equipment used in the process of capturing the scene. The workshop witnessed good interaction from Yarmouk University students in general who were interested in this field. The team is supervised by Eng. Sami Almashaqbeh.



YU IEEE RAS Organizes a Crash Course Entitled "Python Essentials: Data, QR, and Images"

In an engaging initiative by the Robotics and Automation Society at Yarmouk University, a dynamic 3-day Python crash course titled "Python Essentials: Data, QR, and Images" was successfully conducted, led by the proficient Eng. Abdullah Abu Elyyan, this course offered a deep dive into the versatile applications of Python, catering to a wide range of enthusiasts from novices to experienced programmers.

Eng. Abu Elyyan, renowned for his extensive programming expertise and notable achievements in advanced projects and competitive arenas, structured the course into six enriching hours spread evenly across three days. The meticulously designed curriculum aimed at building a solid foundation while simultaneously exploring the breadth of Python's capabilities.

Day 1: Building the Foundation

The course commenced with an introduction to Python, setting the stage for a comprehensive learning journey. Attendees were familiarized with the programming language basics, ensuring a strong groundwork for advanced exploration. This session aimed at equipping participants with the fundamental skills necessary for pursuing further studies in Python programming.

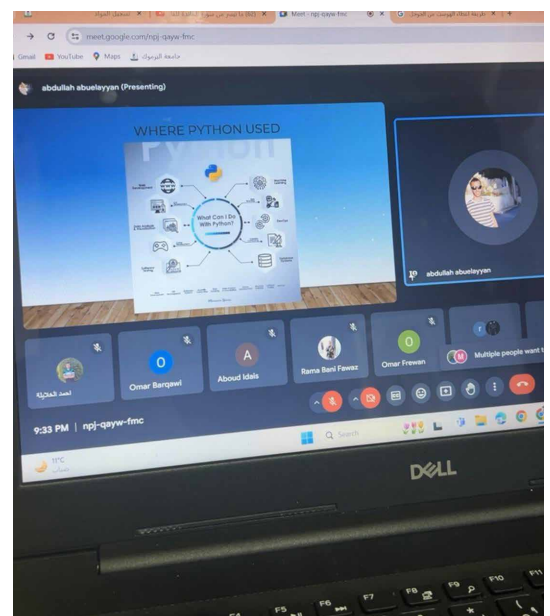
Day 2: Exploring Python's Vast Libraries

The focus shifted towards Python's extensive libraries on the second day, highlighting their significance in data manipulation and analysis. Eng. Abu Elyyan delved into practical applications such as QR code generation and basic file operations, offering attendees a glimpse into Python's immense potential for project development.

Day 3: Mastering Image Manipulation with OpenCV

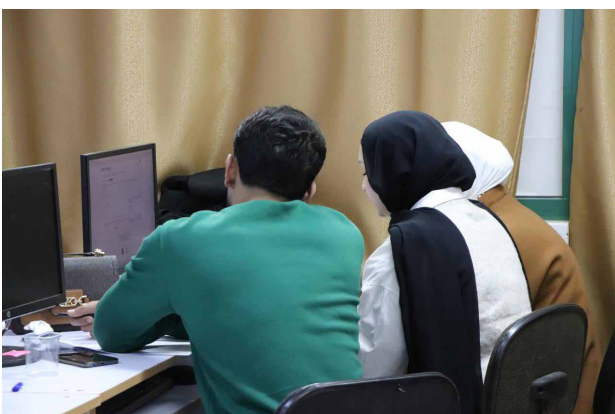
The concluding day was dedicated to the fascinating world of image manipulation using OpenCV, a specialized library for computer vision in Python. Eng. Abu Elyyan not only taught the theoretical aspects but also guided participants through a hands-on project. This project involved creating a QR code generator for URLs and integrating the generated codes into images, thereby cementing the practical skills acquired throughout the course.

This crash course stood out as an exemplary model of skill development, blending theoretical knowledge with practical application. It underscored the Robotics and Automation Society's commitment to fostering a learning environment that encourages innovation and exploration in advanced fields such as Python programming, Data manipulation, and computer vision. Participants left the course with enhanced capabilities, ready to embark on their projects with confidence and a deepened understanding of Python's expansive toolkit.



Computer Engineering Department Organizes a Problem-Solving Competition using Codeforces Platform

The "Problem Solving" competition, which was held through the Codeforces platform, witnessed huge participation from students, both in teams and individuals. The number of participants exceeded 60 individuals, forming more than 25 teams. The competition lasted 3 hours, during which participants challenged their problem-solving abilities and programming skills using various programming languages available on the platform. The competition aimed to enhance programming skills and develop problem-solving abilities among students. The competition was distinguished by providing valuable prizes to the winning teams and outstanding performers in solving problems. The competition was supervised by Dr. Amin Jarrah, the head of the Computer Engineering Department.



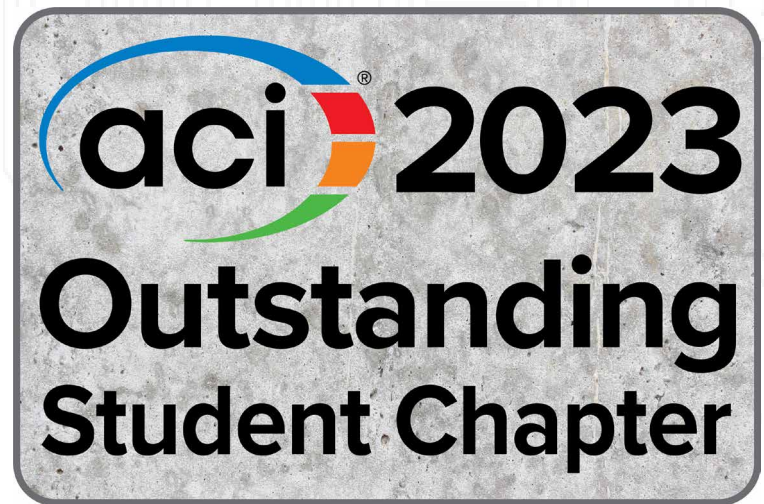
ACI Student Chapter Hosts a Workshop on "Recent Technologies for Structural Assessment"

To enhance knowledge and skills in the field of civil engineering, the student chapter of the American Concrete Institute at Yarmouk University recently hosted a workshop titled "Recent Technologies in Assessment of Concrete Structures". The workshop, conducted by experts from Building Rank Company, explored the latest innovations in non-destructive testing methodologies and tools used to assess concrete structures. Topics covered included the evaluation of concrete mechanical properties, inspection of steel reinforcement, detection of steel corrosion, identification of water leakage issues, and the assessment of electrical connections. More than 300 participants attended the workshop comprising students, employees, and professors from various departments within the Engineering Faculty.



The ACI Student Chapter Wins the Outstanding Chapter Award from the American Concrete Institute

The student chapter of the American Concrete Institute at the Department of Civil Engineering has won the Outstanding Student Branch Award from the American Concrete Institute for the third consecutive year. This achievement is the result of the continuous work of the chapter in promoting student activities and encouraging innovation in the field of civil engineering and concrete technology.



This annual award is given to student chapters that stand out for their activities and outstanding contributions to the local and global engineering community. Dr. Matakah, the academic adviser of the student chapter, pointed out that this award is a culmination of the collective and continuous work demonstrated by the student chapter at the university in promoting awareness of the importance of civil engineering fields. The student chapter has presented a comprehensive annual report on its activities during 2023, which was evaluated by experts at the American Concrete Institute. Based on the evaluation results, the student chapter received this award. The annual report documented 16 diverse activities, including participation in 7 local and international student competitions, organizing 4 volunteer activities that promote values and social responsibility, participation in 3 local and international conferences, and publication of two articles in the American Concrete Institute journal.

YU IEEE WIE Participates in the IEEE Day

The Women in Engineering Affinity group at Yarmouk University participated in the IEEE Day that was held at the Hijjawi Faculty for Engineering Technology. They showcased their group through a booth providing information on how to join, as well as the group's activities and achievements. Dr. Yusra Obeidat, the advisor of the affinity group, participated in a panel discussion to talk about the benefits of joining the Women in Engineering and to encourage students to participate in student professional clubs, as they are beneficial in enhancing their skills and refining their characters.



YU IEEE WIE Organizes a Workshop on "Artificial Intelligence"

The Women in Engineering at Yarmouk University organized a workshop on artificial intelligence presented by Engineer Ammar Yaser from the company SHAI for AI. During the workshop, he discussed the history and importance of artificial intelligence, as well as the essential tools that should be learned to keep pace with modern technology and advancements. The workshop was attended by students from the Hijjawi Faculty for Engineering technology and the Information Technology Department at Yarmouk University.



YU IEEE WIE participated in the MESYP 2023 Congress

The students Lin Alzuhd and Baraa Alsukhni the chairwoman and vice chair (respectively) of the Women in Engineering at Yarmouk university participated In the IEEE Middle East Student and Young Professional (MESYP 2023) congress that was held for two days in Hilton Amman.



Students from the Hijjawi Faculty for Engineering Technology Participate in a Visit to the Royal Hashemite Court

A delegation of students from Yarmouk University recently had the honor of visiting the Royal Hashemite Court in Amman. During their visit, students from the Hijjawi Faculty for Engineering Technology expressed profound admiration for His Majesty King Abdullah II Ibn Al-Hussein, commending his steadfast commitment to safeguarding the Islamic and Christian holy sites in Palestine. They underscored the pivotal role of their country's leader in defending Gaza and navigating complex political dynamics. The students also highlighted the shifting global stance towards providing increased assistance to those in need in Gaza. Three students from the Hijjawi Faculty for Engineering Technology participated in the visit: Ahmad Shehab, Bashar Alazam, and Hassan Abo Seras.



Andon Team in Collaboration with the YU IEEE AESS Organizes a "Ramadan iftar" for Children from Al Bab Al A'ali School

The Andon Team in collaboration with Aerospace and Electronic Systems Society (AESS) organized an "Ramadan iftar" for orphans. The event provide food for more than 60 children and 50 volunteers on at Al Bab Al A'ali School. The charity school administration supports the idea and collaborate effectively with the volunteers from the Hijjawi Faculty for Engineering Technology. Volunteers from both teams contribute to the success of this initiative, including: Marah Hammouri, Wasfe Jihad, Mohammad Noor Smadi, Engineer Fares Hatamleh, Engineer Rama Bayyari, Hassan Abu Sarris, Rasha Qarqa, Rayan Alefan, Ahmad Rawashdeh, Mohammed Al-Karasneh, Eman Bani Hani, and Shatha Al-Badarna.



YU IEEE Student Chapter Holds a Charity Breakfast for a Group of Orphans

Within the "Dreams" series of charitable campaigns that were founded on the approach of giving and drawing impact, the Institute of Electrical and Electronics Engineers, Yarmouk University Branch (IEEE YU), opened the first of these charitable works on Saturday, 3/20/2024. By holding a charity breakfast for a group of orphans in an atmosphere of overwhelming love. This is with the participation of the Deanship of Hijjawi Faculty for Engineering Technology, represented by Professor Mwaffaq Ootom, the branch advisor, Dr. Zaid Albataineh, and the administrative and teaching staff at the faculty. This charitable work included entertaining and purposeful entertainment for more than fifty children, with the participation of students from various departments of Hijjawi Faculty for Engineering Technology. This campaign painted joy and smiles on the faces of the children and planted in the hearts of the faculty students the spirit of giving and the seed of goodness based on cooperation and social solidarity. After eating breakfast, gifts were distributed in an atmosphere full of joy and happiness, filling everyone's hearts with the fruits of goodness and cooperation, so that we can complete our mark in the world of influence, and so that the impact remains on us as long as we live. Thank you to everyone who contributed to the success of this work, and we ask God for success and guidance to continue on this bright path.



The Engineering Committee Team Organizes a Football League for First-Year Students

A football league was held for first-year students at the Hijjawi Faculty for Engineering Technology, organized by the Engineering Committee team (E Committee). The league brought together 7 teams from 7 academic departments, and the tournament lasted for two days. The team from the Biomedical Systems and Informatics Engineering Department and the Electrical Power Engineering Department qualified for the final match, and the match ended with the winning of Electric Power Department team with a score of 7-4. The league witnessed the attendance of more than a hundred students.



Faculty Members

Dr. Al Zubi Participates in a Meeting with His Majesty King Abdullah



At the kind invitation of the Royal Court, Dr. Mohammed Ahmed Al-Zu'bi, Head of the Mechanical Engineering Department, participated in the meeting that brought together His Majesty King Abdullah II with a group of comrades in arms from military retirees and veterans in the Ghamr area, on the occasion of the silver jubilee of His Majesty's assumption of his constitutional powers and the Day of Loyalty to military retirees and veterans, and in honor of the martyrs of the homeland who sacrificed themselves for the homeland and defend its protectors. During the meeting, His Majesty stressed that military retirees and veterans are a symbol of loyalty and role models for future generations, commending the role of the armed forces and security services in defending Jordan and its achievements. For his part, Chairman of the Joint Chiefs of Staff Major General Youssef Huneiti stressed that comrades in arms are always on the era of loyalty and sincerity to serve the homeland and commander. At the end of the ceremony, which was attended by Royal Hashemite Court chief and Directors of the security services, His Majesty bestowed the silver jubilee medal on a group of military retirees and families of martyrs.

It is worth mentioning that His Majesty the King had directed the government in 2012 to designate the fifteenth of February of each year as a day of loyalty to military retirees and veterans, a day on which one of the valiant units of the armed forces wrote the highest meanings of heroism in 1968 before the eternal battle of dignity.

The Dean Participates in a Workshop of the German Academic Exchange Service - DAAD



The regional office of the German Academic Exchange Service - DAAD, in Amman, organized a two-day workshop in Amman on writing grant proposals, in which the Dean of the Hijjawi Faculty of Engineering Technology, Dr. Mwafaq Otoom, in addition to participants from Jordanian universities, Iraqi, Lebanese, and Egyptian.

Otoom said that the workshop included an introduction to the various financing mechanisms and programs of the European Union, such as Horizon Europe, Erasmus, Europe Aid, DAAD Jordan, and others. He pointed out that the workshop was distinguished by its focus on the practical aspects of writing grant proposals through developing the various parts of the project proposal and submitting it successfully, including follow-up and communication with the European Commission.

It is noteworthy that this workshop targeted researchers who received support from the Ta'ziz Program funded by the German Academic Exchange Service - DAAD.

Two Faculty Members from Hijjawi Participate in the Conference on the Relationship between Water, Energy, Food and Environmental systems



The Dean of the Hijjawi Faculty for Engineering Technology, Dr. Mwaffaq Ootom, and Dr. Ali Shehadeh, from the Department of Civil Engineering at the Hijjawi Faculty for Engineering Technology at Yarmouk University, participated in the WEFE Conference on the relationship between Water, Energy, Food, and Environment Systems in the capital, Amman, which was organized by the Royal Academy of Engineering in the United Kingdom. In cooperation with the Royal Scientific Society and the Supreme Council for Science and Technology in Jordan.

Ootom said that the conference represents a distinguished scientific event, which included a group of experts in the fields of engineering and technology from more than 20 countries around the world, through its focus on the close relationship between the integration of water, energy, food, and environment (WEFE) systems to reach a sustainable future by addressing sustainability challenges and the ability to withstand the changing global climate.

During the conference, Ootom presented the future vision for engineering education regarding innovative technologies that can strengthen the relationship between WEFE, especially in the context of Jordan's unique environmental challenges.

For his part, Shehadeh presented a vision in the field of scientific research related to resilient and sustainable systems, as he contributed to discussions about taking advantage of the intersections in the WEFE system for smarter, more resilient, resilient and sustainable cities. The conference witnessed the participation of other prominent international experts, and the conference included various activities, including scientific lectures, interactive activities, and networking opportunities.

Both Ootom and Shehadeh also participated in panel discussions and interactive sessions, and provided valuable inputs to enrich the discussion sessions on future technological innovations, especially with regard to the challenges and opportunities that exist in Jordan.

Meeting about Scholarships and Opportunities in the PhD-Biosciences and Bioengineering Program at the American University of Sharjah

Prof Awad Al-Zaben from the Biomedical Systems and Informatics Engineering department hosted Prof. Hasan Al-Nashash, the professor of Electrical and Biomedical Engineering and Coordinator of the PhD-Biosciences and Bioengineering Program. Professor Hasan talked about the program requirements, admission, and scholarship opportunities, and the meeting concluded by answering the audience's questions.



Dr. Al Zubi Participates in Judging a Book

King Abdullah II School for Excellence in Irbid, on the occasion of the Kingdom's celebration of the silver jubilee of His Majesty King Abdullah II Ibn Al Hussein's accession to the throne and the anniversary of Isra and Mi'raj, organized a book launch ceremony in English entitled (Solar System the Sun and Her Daughters) written by seventh grade student Emma Mahmoud Al-Jawarneh

Dr. Muhammad Al-Zu'bi, Head of the Department of Mechanical Engineering at Yarmouk University, participated in judging the book and gave a detailed presentation to the book during the ceremony, and he was also hosted to talk about the book by the Jordanian television.

Dr. Al-Zu'bi gave an extensive critical reading of the book, stressing that the book provided modern astronomical information in an easy narrative style, which is an entrance to all levels for those who have the desire to enter space science, the solar system, planets and unknown properties of the planet and includes the most prominent special definitions in the field of space and astronomy and some numbers of interest to the reader, wishing more success to the student Emma for this scientific achievement.



Dr. Yusra Obeidat Participates in Workshops Organized at Abdelhamid Ibn Badis University in Mostaganem, Algeria

Dr. Yusra Obeidat, an Associate Professor in the Electronics Engineering Department, participated in workshops organized at Abdelhamid Ibn Badis University in Mostaganem, Algeria. These workshops were part of a project funded by the German DADD Foundation. She delivered a workshop on technological solutions for water scarcity issues in Jordan and Algeria.



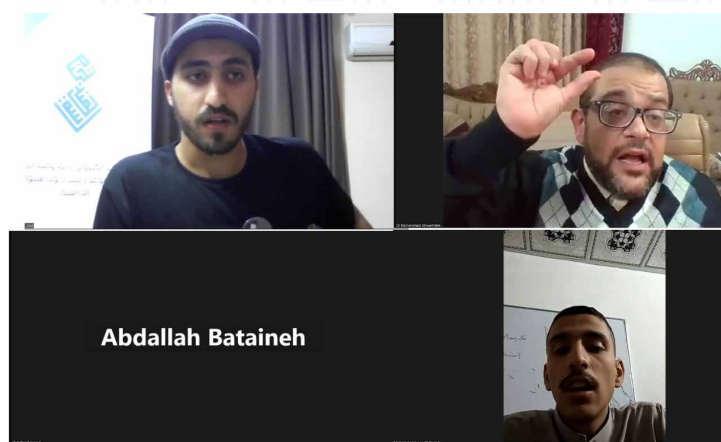
Dr. Yusra Obeidat Participates as a Judge in the Nutrition Entrepreneurship Technical Competition

Dr. Yusra Obeidat, an Associate Professor in the Electronics Engineering Department, participated as a judge in the Nutrition Entrepreneurship technical Competition, which is an entrepreneurial competition organized by IEEE region 8 and the closing ceremony was hosted at Yarmouk University.



Dr. Muhammad Rawhi Al-Rawashdeh Gives an Online Lecture Entitled Ramadan Tips

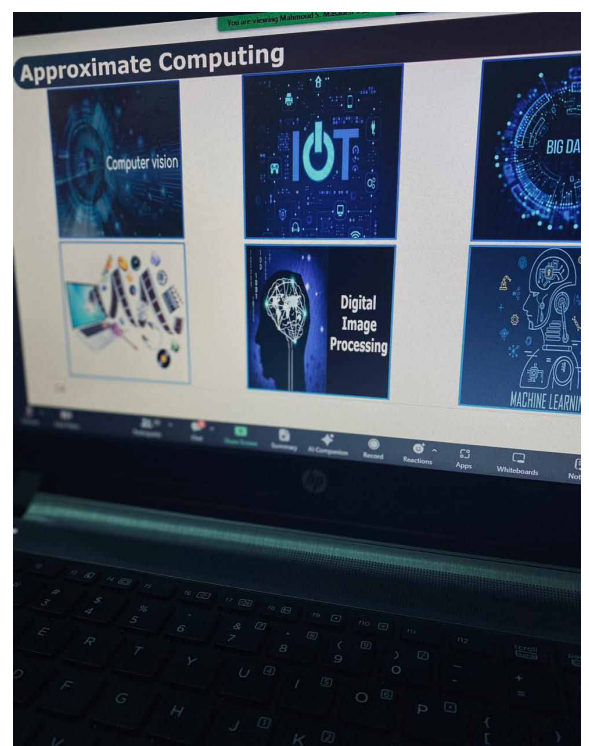
The Hijjawi Faculty for Engineering Technology held an online lecture entitled Ramadan Tips, in which Dr. Muhammad Rawhi Al-Rawashdeh spoke about several topics of interest to students, both academic and extracurriculars. The engineering Committee team organized the lecture. This event was characterized by a direct dialogue between the students and the lecturer on several topics such as: cultural exchange, DAAD scholarships for students, Fulbright grants, the importance of field training, time management and how to prepare for exams.



Dr. Mahmoud Masadeh Gives an Online Lecture Entitled "Exploring Approximate Computing in Robotics and Computer Vision"

The Robotics team hosted an enlightening presentation by Dr. Mahmoud Masadeh on the topic of approximate computing and its applications in the fields of robotics and computer vision. Dr. Masadeh delved into the fascinating world of trading off computational accuracy for efficiency, emphasizing how this approach can significantly impact resource-constrained systems. Attendees gained insights into techniques such as reduced-precision arithmetic, approximate algorithms, and quantization, which play a crucial role in achieving real-time performance while conserving energy and memory.

The event wasn't all serious business, though! Following the presentation, participants engaged in a lively Kahoot session, testing their knowledge on approximate computing concepts. The winners were rewarded with exciting prizes, adding an element of fun to this intellectually stimulating gathering.



Prof. Amjed Al Fahoum Has Been Appointed in the Scientific Research Council

Upon a nomination by Prof. Islam Massad, the President, Yarmouk University's Council appointed Prof. Amjed Al Fahoum, from the Biomedical Systems and Informatics Engineering Department, in the Scientific Research Council.



Prof. Zaid Albataineh Has Been Appointed in the Intellectual Property Committee

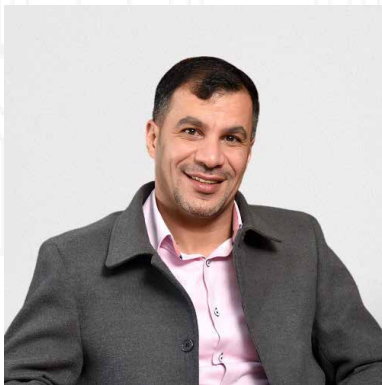
Prof. Islam Massad, the President, has appointed Prof. Zaid Albataineh, from the Electronics Engineering Department, in the university's Intellectual Property Committee.



Promoted Faculty Members since Jan. 2024!

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

To Full Professor



Prof. Zaid AlBataineh
Electronics Engineering



Prof. Asem Al-Zoubi
Communications Engineering



Prof. Isam Abu Qasmieh
Biomedical Systems Engineering

To Associate Professor



Dr. Dania Bani Hani
Industrial Engineering



Dr. Monanad Khodier
Civil Engineering

Success Stories

A Project from Hijjawi Faculty for Engineering Technology is Shortlisted in the Jordan's First Semiconductors Competition (JoSC)

HRH Crown Prince AlHussein visited the 12 projects, which were shortlisted after careful evaluation in the Jordan's First Semiconductors Competition (JoSC). One of these projects was done by our students Zaid Melhem and Alaa Araydah, under the supervision of Prof. Zaid AlBataineh, from the Electronics Engineering Department. The project was about designing high performance CPU using FPGAs.

The competition started with 78 projects from 11 universities. It included intensive training for more than 160 students covering simulation, FPGA prototyping, and verification fundamentals and ended up with the 12 projects competing for the final phase.

President of Yarmouk University Prof. Islam Massad attended the final event of the competition, saluting the great work that has been done by our students. He also received the students in his office, congratulating them on this achievement.



Dr. Ali Shehadeh Secures Royal Academy of Engineering Seed Funding for Innovative Sustainability Project

The prestigious seed funding by the Royal Academy of Engineering was allotted to Dr. Ali Shehadeh of the Hijjawi Faculty for Engineering Technology to support his fresh idea, "Leveraging Digital Twins for Community-Driven Sustainable WEF E Nexus Management." This pilot project seeks to build a digital twin of the City of Irbid to improve the management and integration of WEF E resources to support sustainable decision-making using GIS, Remote Sensing, and AI Technologies. From the ambitious set of goals comes optimization of resource utilization, conservation of cultural heritage, engagement of active community participation, and strengthening of resilience in the face of climate change impacts in the region. No doubt, it is such an ambitious project which is to position the city as a development model in the eyes of the world. Dr. Shehadeh will lead the project, accompanied by experience from competitive co-applicants, including Dr. Izni Zahidi of Monash University Malaysia, who will be reviewing engineering technologies, and Victoria Cotella of the University of Bradford, UK, who will be overseeing urban planning as viewed for sustainability along with industry pioneers such as Mr. Tom De Block and Dr. Yaser Gamil. A series of combined efforts put this project at a new benchmark in sustainability in Jordan and internationally.

Team Members



Ali Shehadeh
PI
Yarmouk University



Victoria Cotella
Co-PI
University of Bradford



Izni Zahidi
Co-PI
Monash University
Malaysia



Yaser Gamil
Collaborator
Monash University
Malaysia



Tom De Block
Collaborator
AIOTI

Dr. Ali Shehadeh, Co-Applicant in a Pioneering Royal Academy of Engineering Seed-Funded Project

In an international effort to seize a bid to revolutionize housing in the Global South, Dr. Ali Shehadeh, from the faculty of Engineering Technology in Hijjaw, is a Co-Applicant in the research project, "Golden Thread to Sustainability, Inclusivity, Affordability and Futureproofing through Innovative Advancements in Net-Positive Housing," The Royal Academy of Engineering awarded the project seed funding. This project comes as a need to reach net-zero global carbon emissions amidst critically emergent climatic challenges. It centrally zooms in on the Global South: proximally located, home to most of the globe's population, and mostly affected by climate impacts, where in recent decades, it has accounted for almost 63% of today's total Greenhouse Gas (GHGs) emissions. The given initiative furthers the stretch beyond the normalcy of reaching a net-zero carbon emission goal by introducing Sustainable, Innovative, Affordable, Net-Positive Housing (SIAH-NP). From the perspective of SIAH-NP towards a modern, holistic way, the ecosystem has been managed to deliver and be sustained, modern methods of design and construction (MDMC), access to circled economy (CE) principles met by smart decentralized systems (SDS), are up to a vision of housing that, besides, would reduce its environmental footprint. This will turn homes into eco-positive entities that deliver more environmental and socio-economic value than they consume. Headed by Prof. Iqbal Mujtaba from the University of Bradford, the project aims to expose rigorous research on the housing inefficiencies in Jordan and South Africa within the framework of 2050 carbon neutrality. Dr. Shehadeh will bring his expertise in sustainable development and engineering to this transformative work and is expected to lead housing stakeholders and the sector towards more sustainable, inclusive, affordable, and resilient housing provisions. On the same team are Dr. Rania Aburamadan from Applied Sciences Private University, Victoria Andrea Cotella, and Dr. Alireza Moghayeddi from the University of the West of England. Together, they will make a stronger team, setting a definition of housing in the Global South with a sustainable and fair future.

Ali Shehadeh
Yarmouk University
Leveraging Digital Twins
for Community-Driven
Sustainable WEFE Nexus
Management



Iqbal Mujtaba
University of
Bradford
Golden Thread to
Sustainability,
Inclusivity,
Affordability and
Futureproofing in
the Global South
through
Innovative
Advancements in
Net-Positive
Housing

Prof. AlZoubi is One of the Distinguished Contributors to the IEEE Computer Society

The IEEE Computer Society has selected Prof. Hussein Al-Zoubi, from the Department of Computer Engineering at the Hijjawi Faculty for Engineering Technology, as part of the Distinguished Contributors category for the year 2023, reflecting his scholarly contributions to the society and the profession.

Al-Zoubi said that he was chosen among 28 researchers for this year in the world, indicating that the Computer Society of the Institute of Electrical and Electronics Engineers International honors members who have made technical contributions, through applied or theoretical computing, to the computing profession, the computing community, and humanity, with a large portion of those technical contributions made. Through association with the association.

It is noteworthy that the names of the Distinguished Contributors Class for the year 2023 were published in a press release, and were also announced on the Computer Society website and in the Society's members' newsletter.



Student Qusi Mashriqi is the Agenda Coordinator of the Committee of the IEEE Computer Society SYP Region 8 Congress

Qusi Mashriqi from Computer engineering department has been appointed the Agenda Coordinator of the Committee of the IEEE Computer Society SYP Region 8 Congress. As the first of its kind Congress in the IEEE Region 8, the congress goal is to engage and connect Students and Young Professionals from all over IEEE Region 8 showcase the different initiatives from within the various IEEE entities, and tackle relevant and trending computing topics in the region.



Student Qusi Mashriqi Has Been Appointed in the IEEE Computer Society's Distinguished Visitor Program Awareness and Customer Advocacy Committee (DVP/ACA) as the Student Representative for 2024

Qusi Mashriqi from Computer engineering department has been appointed in the IEEE Computer Society's Distinguished Visitor Program Awareness and Customer Advocacy Committee (DVP/ACA) as the Student Representative for 2024. The vision of DVP is to provide all chapters with opportunity to access cutting edge technology through presentations/conferences (On Ground/Online), round Tables, and direct interaction with members (Students/Professional)



**Student
Representative**

Qusi Mashriqi

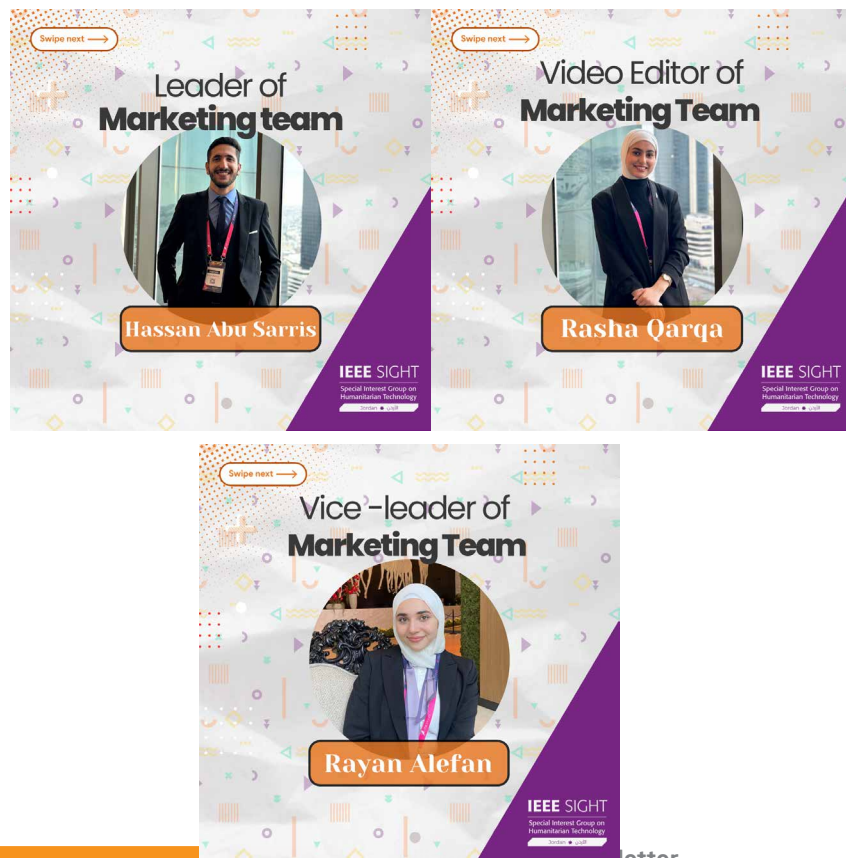
Students from the Hijjawi Faculty for Engineering Technology Achieve Second Place in a Competition Organized by The Crown Prince Foundation

The Crown Prince Foundation-Irbid, in collaboration with Ezzat Marji Company, conducted a three-day training program for "Community Leaders." Among the attendees was student Juman Hussam Mansi, aimed at preparing for the project competition held at the Crown Prince Foundation headquarters at Columbia University. The participants included students: Juman Hussam Mansi, Hadeel Al-Araj, Aseel Al-Hanafi, and Sarah Bani Ata, who achieved second place in the project competition titled "Smart Hydroponic Systems." Under the supervision of Dr. Ayman Al-Zyout and Engineer Mohammed Al-Saadi.



Students from the Hijjawi Faculty for Engineering Technology at Yarmouk University Participate in the IEEE Sight Jordan Section Team"

Students from the Hijjawi Faculty for Engineering Technology participated in the organizational team of the IEEE SIGHT JORDAN SECTION. The team comprises Hassaan Abu Sarris as the Marketing team Leader, Ryan Alefan as the vice- Leader, and Rasha Qarq as the Video Editor. This team is part of the "Special Interest Group on Humanitarian Technology" program, launched by the Institute of Electrical and Electronics Engineers (IEEE Jordan section) through its Humanitarian Activities Committee (HAC). It is a global network of groups consisting of IEEE members and volunteers who identify and address local problems by applying their technical skills and partnering with their local communities.



A Team from Yarmouk University Wins One of the Top Ten Places in the Third Session of the Crown Prince Award for the Best Government Services Application for the Year 2023

Two students, Khaled Saje' Taim from the Department of Power and Electrical Machinery Engineering at the Hijjawi Faculty for Engineering Technology, and Muhammad Al-Rashdan from the Department of Artificial Intelligence and Data Science at the Faculty of Information Technology and Computer Science, won one of the top ten places in the third session of the Crown Prince Award for the Best Government Services Application for the Year 2023, which is an annual initiative aims to motivate Jordanian university students to innovate creative solutions in the field of smart phone applications to create easy and simplified government services provided around the clock.



The first three places received financial prizes estimated at one hundred thousand dinars, and the other seven places received incubation from the Sandbox business incubator, which is a project that allows testing new ideas, whether entrepreneurial or technical, by providing an experimental environment for them that is sustainable.

Students Khaled Taim and Muhammad Al-Rashdan developed the "Taafi" application, which is a smart health care system that aims to deliver health care to people with special needs, residents of rural areas, and the elderly in Jordan easily and simply. What distinguishes the application is that it uses artificial intelligence and computer vision to analyze the degree of burns, determine the types of injuries, and give first aid to each of them. The application also contains initial diagnoses, personal health profile, appointments and doses, and a platform for health education for the patient.

The work on developing the application took more than eight months, and after going through many stages and holding meetings with the Ministry of Health, the team qualified among the 102 participating applications, then among the best 70 applications, and then qualified among the best 30 participating applications in the Crown Prince Competition. The application then underwent another evaluation before a higher committee headed by the Minister of Digital Economy, Dr. Ahmed Al-Hanandeh, the Director of the Crown Prince Foundation, a representative of the UAE, and members of the Ministry of Health. The team passed this evaluation and qualified among the top 10 applications in the Kingdom.

Erasmus+ Students Spring 2023 - 2024

Eight students of Hijjawi Faculty for Engineering Technology are currently doing a one semester mobility in Europe (Spring ٢٠٢٣ - ٢٠٢٤)!

Haleemah Adoos

Computer Engineering
Mälardalen University / Sweden



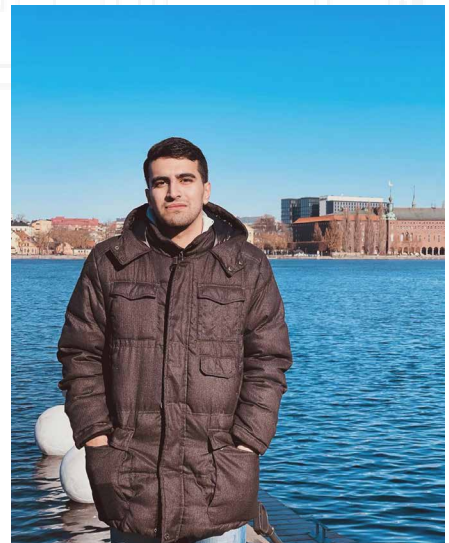
Rahaf Ibrahim

Computer Engineering
Mälardalen University / Sweden



Abdelrahman Alkhlaifat

Communication Engineering
Mälardalen University / Sweden



Farah Deeb

Computer Engineering
Mälardalen University / Sweden



Dyaa Eddin Al-Farran

Computer Engineering
Hochschule Bonn-Rhein-Sieg
University of Applied Sciences/
Germany



Dan Balawi

Computer Engineering
Hochschule Bonn-Rhein-Sieg
University of Applied Sciences/
Germany



Erasmus+ Students Spring 2023 - 2024

Khaled Al Smadi

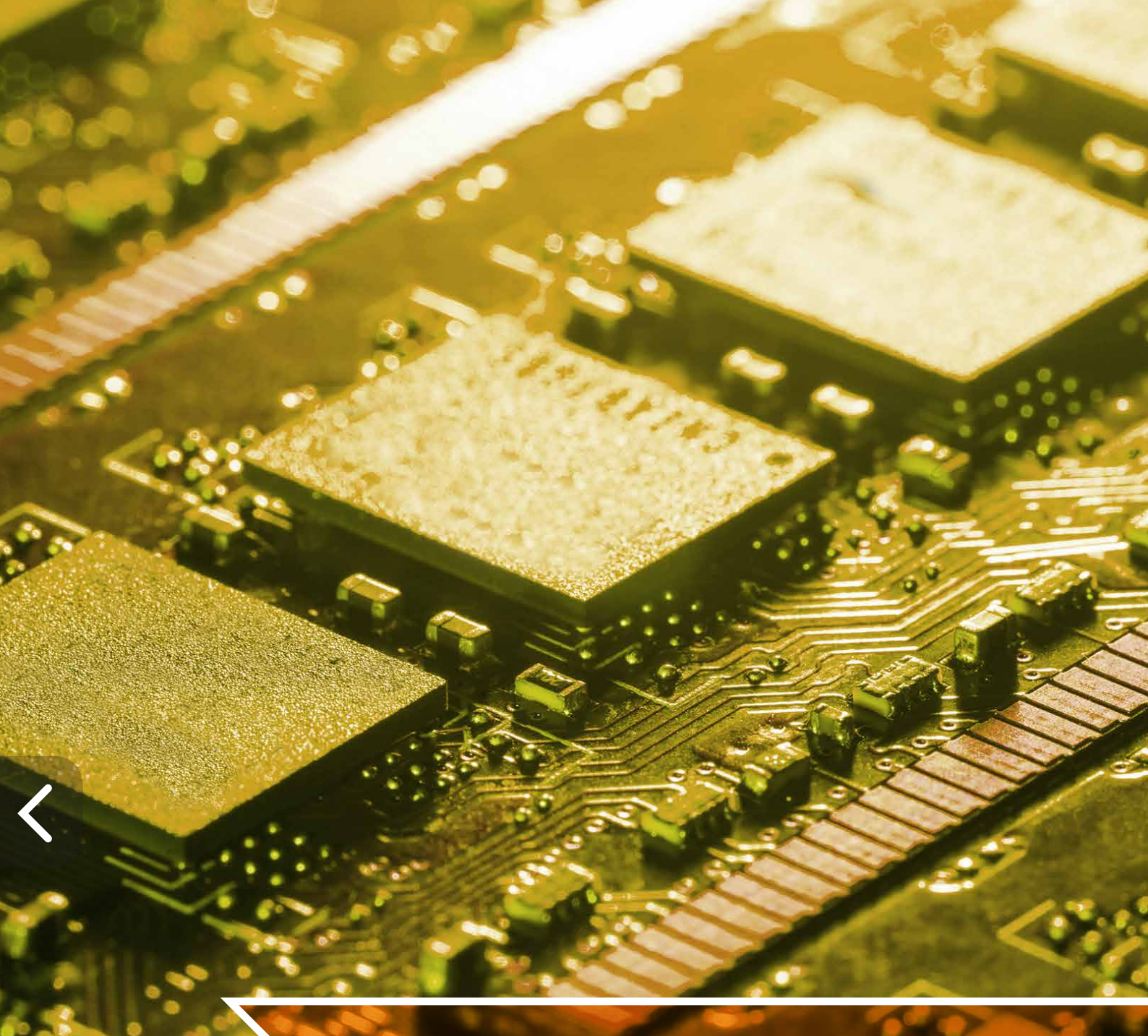
Electric Power Engineering
Istanbul Kültür University/Turkey



Sara Husban

Civil Engineering
The University of Messina/ Italy





Newsletter Staff:

Editor-in-Chief: Prof. Mwaffaq Otoom, Dean

Editor: Eng. Sami Al-Mashaqbeh, Assistant Dean for Students and Alumni Affairs

Designer: Prof. Mwaffaq Otoom, Dean

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