



Engineering  
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Commission



# Hijjawi Faculty Newsletter

Issue 11 July 1<sup>st</sup> 2024



**Yarmouk University**  
Hijjawi Faculty for Engineering Technology

# Yarmouk University

## Hijjawi Faculty for Engineering Technology

### Our Vision

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

### Our Mission

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

### Our Objectives

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

### Our Values

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



*Established in **1984***



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



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



***126**  
Academic Staff*



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

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# Dean's Message



I'm delighted to welcome you to the eleventh issue of the Hijjawi Faculty for Engineering Technology Newsletter, which we used in the past four years to portray the Faculty through the eyes of its students, faculty members, and management personnel.

This message is different as I shortly conclude my second and last term as the Dean -- so, it's going to be my last message.

As you will see in this issue, as we did in the previous ones, we try to present what we have achieved in the second quarter of this year 2024. Again, the Faculty was able to conduct approximately one hundred activities with the help of its Faculty members and students. In addition to the activities, our faculty members and students demonstrated their excellence through their great achievements during this short period -- something that will certainly continue in the future, with the full support it receives from the top management in the university.

I wish the Faculty all the best in all of its future endeavors to contribute to the quality of engineering education in Jordan.

**Prof. Mwaffaq Otoom, PhD**  
**Dean**



# Faculty News

## The Hijjawi Faculty for Engineering Technology Celebrates its 40th Anniversary During its Scientific Day

Yarmouk University organized a scientific day, on the 40th anniversary of the founding of The Hijjawi Faculty for Engineering Technology, under the patronage of Dr. Labib Al-Khadra, and in the presence of the President of Yarmouk University, Dr. Islam Massad.

Al-Khadra stressed the importance of academic educational institutions keeping pace with the rapid scientific and technological progress in all fields and tracks, by preparing study plans, academic programs and educational models characterized by dynamism and flexibility, focusing on the skills required to meet the requirements of the Fourth Industrial Revolution in the labor market, so that universities become a source for graduating competent students capable of competing. Regionally and globally, thus contributing to individual and national economic growth.

Al-Khadra pointed out the importance of benefiting from the capabilities of artificial intelligence in the educational process by taking into account the formulation of integrating technical means and focusing on the student and the professor, because of the capabilities of these means to make the teaching process more creative and more effective, stressing the necessity of managing the change process in a gradual and focused manner, and integrating artificial intelligence. Generative AI is integrated into school curricula purposefully and responsibly, with a focus on making generative AI an adjunct to, and not a substitute for, knowledge acquisition.



For his part, Massad stressed that The Hijjawi Faculty for Engineering Technology is a living example of a true partnership between the public and private sectors, praising the efforts of the late Hisham Hijawi, who believed in Jordan, its leadership, and his duty towards his country, stressing that this partnership between the two sectors is one of the priorities of the Jordanian state under the leadership of His Majesty the King, which seeks The government seeks to achieve it through visions of economic modernization.

He added that "Yarmouk", through the members of its academic and administrative staff and students, has achieved a lot for Jordan in general and for the people of the north in particular, adding that we at "Yarmouk" are building on the achievements of previous generations with a forward-looking view of what these academic institutions should be, noting that the university It carries out an academic revolution in terms of study plans in line with the labor market.

The Chairman of the Board of Directors of the Hijjawi Scientific Foundation, Eng. Ayman Hisham Hijawi, praised the distinguished level of The Hijjawi Faculty for Engineering Technology, which has demonstrated over the course of 40 years the extent of its distinction and its ability to graduate competencies who have proven their worth and excellence in the engineering labor market locally, regionally and internationally.

He pointed out that the Foundation always seeks to be with the students in a way that enhances their abilities to plan for the future and enables them to enhance their professional competitiveness, pointing out that 4 female engineers from the faculty graduates were able to obtain the opportunity to train for a period of 4 months in the largest solar energy station in the East. Middle School, Aswan. 30 male and female students from the college will participate in the training course that the institution will hold on how to plan.



In the same context, the Dean of the Hijjawi Faculty for Engineering Technology, Dr. Muwafaq Ootom, stressed the importance of academic institutions building a culture of creativity and innovation among their students by integrating them into different experiences and sciences, which contributes to expanding their awareness and horizons so that they find a place for themselves in this accelerating world.

He reviewed the programs and specializations recently created by the college, such as the master's program in engineering management, the master's program in computer engineering, the bachelor's program in civil engineering, the bachelor's program in the Internet of Things, the master's program in systems engineering and biomedical informatics, the bachelor's program in robotics engineering, and the master's program in construction engineering and management.

During the Scientific Day activities, the main speaker, the founder and director of Mars Robotics, Dr. Muhammad Al-Jarrah, one of the faculty's graduates, presented his success story and his founding of the company specialized in manufacturing drones, which includes 50 engineers, pointing out that the company was able to manufacture a drone capable of carrying 350 kg, flying for 24 hours.

Faculty graduate, Engineer Muhammad Oneizat, also presented his success story and his ability to establish an engineering team, Partner Engineers, that provides integrated engineering services, including engineering consulting, design, and supervision, in addition to establishing a training team specialized in life skills training and career development, Tools Life He also launched the "Balance" podcast program

The opening of the scientific day activities was attended by Senator Engineer Khaled Ramadan, Senator Dr. Abla Amawi, and Senator Dr. Maysoon Al Otoum.





At the end of the ceremony, Khadra handed certificates to the speakers and participating companies. In addition to certificates of appreciation to the student teams at the faculty and to the students who won local and international awards as follow:

**Speakers:** Professor Dr. Muhammad Amin Al-Jarrah - founder and director of Mars Robotic, D r . Fadi Obaidat - American company Synopsys, Professor Dr. Muayyad Shawaqfa - Al al-Bayt University, Engineer Hamza Al-Jaafra - Hakeem Health Computing Company, Engineer Majd Jamaa - Google Company, Engineer Radhi Al-Wardat - Jordanian Design and Development Center.

**Companies:** Mazar Autonomous Robotics Company (Mars Robotics), Jadara Defense Systems Company, Cementra Company, Green Circle Software Industry Company, IOTISTIC Company, Synopsys Company, Health Computing Company (Hakeem), My Communication Company, SHAI Company, Pioneer company, Quill company, AESC organization Orange Digital Fabrication Laboratory, SDK company, Black iris training development kit company, The HOP Company, Jordanian Astronomical Society, Spark Electronics, Elgin Technical Medical Supplies, Young Engineers Committee, Irbid Branch.

**Students Teams:** IEEE Yamouk University Student Branch, IEEE Engineering in Medicine and Biology Society-Yarmouk University Student Chapter, IEEE Women in Engineering Affinity Group-Yarmouk University , IEEE Aerospace and Electronic Systems Society-Yarmouk University Student Chapter, IEEE Communication Society-Yarmouk University Student Chapter, IEEE Robotics and Automation Society-Yarmouk University Student Chapter, IEEE Energy and Power Society-Yarmouk University Student Chapter, IEEE Industry Applications Society-Yarmouk University Student Chapter, IEEE Computer Society-Yarmouk University Student Chapter, American Concrete Institute Student Branch, Association of Energy Engineers Student Chapter, American Society for Engineering Education Student Chapter, Robotics Team, CEIBA Team, Andon Team , Google Developers Club--Yarmouk University Student Chapter, Radio Program-Jalsa Handasya.



At the end of the day, several lectures by key speakers covered many aspects of engineering issues. Eng. Hamza Aljafra from Hakeem Academy delivered a lecture titled "Empowering Healthcare Sector Through Technology and Innovation". Eng. Radi Alwardat spoke about the opportunities for funding by the JODDB. Prof. Dr. Moayed Shwakfeh, the Dean of the Engineering Faculty at Al-bait University, delivered a lecture on Modeling and Simulation for Risk Analysis. Finally, Eng. Yazan Alturk, from Synopsys talked about the Semiconductor Industry in Jordan. Professor Dr. Zaid Batayneh, Dr. Muhammad Al-Zoubi, and Eng. Sam Al-Mashaqba moderated the lectures.





## Hijjawi Faculty for Engineering Technology Selects its twenty-ninth Student Union Representatives

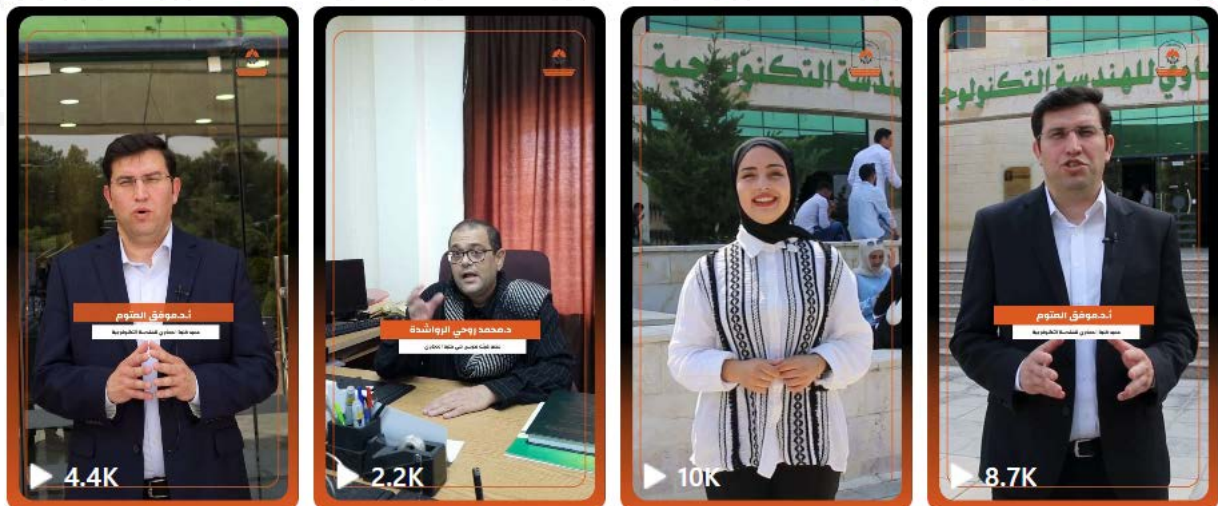
The twenty-ninth Student Union elections were held at Yarmouk University on Tuesday, May 28, 2024. The Vice President of Yarmouk University - Chairman of the Supreme Elections Committee, Dr. Samer Samara, announced the preliminary results of the Student Union elections during a press conference attended by the University President, Dr. Islam Massad, in Arar Hall in the Conferences and Seminars Building, the general percentage of elections at the university level reached 48.2% after it was extended for two hours. The voter turnout at the Hijjawi College of Engineering Technology was about 57%, as follows:



- Architecture Engineering: 63.5%, number of voters 139 / 219
- Industrial Engineering: 73%, number of voters 197 / 270
- Medical Engineering: 52.3%, number of voters 345 / 659
- Electronics Engineering: 31.2%, number of voters 97 / 311
- Civil Engineering: 56.4%, number of voters 268 / 475
- Communications Engineering: 50%, number of voters 207 / 412
- Computer Engineering: 46.2%, number of voters 307 / 664
- Electrical Power Engineering: 64.8%, number of voters 330 / 509
- Mechanical Engineering: 90%, number of voters 81 / 90

## The Dean Heads a Local Committee to Promote Students Election

The formed committee by the Dean for student elections met for the purpose of encouraging students to participate in the elections and proposed promoting the Student Union elections by recording some videos that explain the importance of participating in the elections, the election mechanism, the duration and mechanism of voting, the reasons for invalidating the vote, and other organizational matters related to the elections. The difference between the local list and the general list, the mechanism for monitoring results, announcing the winners, and other related matters were also explained. Where Professor Dean of the College, Dr. Mwaffaq Otoom recorded a number of videos and published them on the college's website on social media. Dr. Musab Abu Al-Adous and Dr. Muhammad Rawhi Al-Rawashdeh also prepared explanatory videos for the same purpose.





### The Dean Meets with the Students Run for Election

The Dean of the Hijjawi Faculty of Engineering Technology, Professor Dr. Mwaffaq Otoom, and the administrative staff, met with the students running for the 2024 Student Union Council elections. During the meeting, he stressed the dean's keenness to provide a democratic and fair environment to ensure that qualified people have access to represent their fellow students. He pointed out that this democratic experience comes in line with the royal directives to modernize the political system and involve youth in decision-making. Adding that the fields of student unions are the nucleus for creating future leaders. At the end of the meeting, a discussion took place with the students about the student elections, and they expressed their optimism about the new electoral experience. Another meeting was held with the student candidates to explain some executive matters related to electoral advertising and the voting and counting process.





### Interviews with Elected Representatives

Commenting on the results, student Bashar Alawneh wrote, "I am student Bashar Khaled Alawneh from the Department of Biomedical Engineering. Recently, I became a representative of the department, and this came only with the trust of male and female colleagues in the department, after several semesters of guiding and helping students. I also look forward to serving them more during the semesters." In the upcoming, in my capacity as a department representative, I will strive to be the student's voice and meet their academic, cultural, and activity needs. In the end, I advise every student who is capable of counseling work and has the leadership personality to run in university elections during the coming semesters," as the student Islam Al-Ali wrote, "I am the student Islam Sami Interview I am proud of my participation in the twenty-ninth session of the Student Union Council elections, which came after a four-year hiatus in Jordanian universities. Thanks to the support and trust of my colleagues, I succeeded in becoming a representative of the Electronics Engineering Department at Hijjawi College by acclamation, and thus I became the first official representative at Hijjawi College. My electoral experience was full of challenges, but it provided me with a great opportunity to develop my leadership and communication skills. It is a wonderful experience because it taught me a lot and introduced me to my colleagues in the department more broadly, as their trust in me will translate seriously into achieving some aspirations, such as strengthening cooperation between the department and related industries. Relevance, and encouraging students to participate in international competitions to showcase their innovations. In the future, I seek to improve the Electronics Engineering Department by organizing events and activities that satisfy students' passion and help develop their academic and personal skills. I aim to enhance communication between students and faculty members, and provide training opportunities and practical experiences that increase students' readiness for the labor market. I believe that cooperation and innovation are the key to success, and I look forward to achieving tangible achievements that contribute to raising the level of the department and the college in general."



Regarding the results of the general list, the results showed that three students from the Hijjawi College of Engineering Technology won at the list level: Hala Alawneh, Ahmed Al-Khouli, and Aoun Al-Kayed. Commenting on the results, student Hala Alawneh wrote:

A person's ambition is like freedom that embraces the sky. We, the youth, are capable of making the desired change that transforms Jordanian society from one state to another. My name is Hala Hussein Ahmed Alawneh. I am a fourth-year student in the Department of Biomedical Informatics Engineering at Hijjawi College of Technological Engineering and a member of the Young Engineers and Electrical Media Committee of the Jordan Engineers Association.

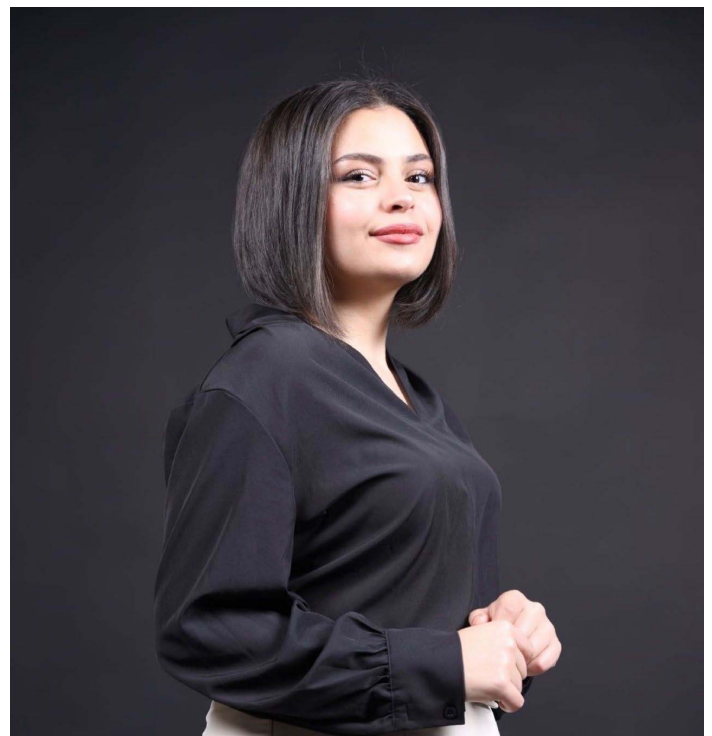
Recognizing that university life heavily relies on the student's initiative to develop their skills, I have attended numerous courses and workshops, including:

- The comprehensive course on defibrillator machines
- Medical device maintenance (international board)
- Troubleshooting mechanism for medical devices (international board)
- Medical engineering professional (international board)
- Cultural exchange through digital design including Python and machine learning (Massachusetts Institute of Technology)
- Erasmus course in youth exchange program
- MATLAB course

Additionally, I have participated in conferences and scientific days, such as:

- The Scope of Electrical Engineers Forum
- The 12th Scientific Day of Biomedical Engineering
- The Scientific Day of Hijjawi College of Technological Engineering
- And many others

From this, I aspired to extend the benefit to my peers in enhancing their skills and beginning to simulate practical life. I started organizing various workshops and scientific visits in collaboration with the Young Engineers and Electrical Media Committee.



Regarding the Student Union elections, and my absolute belief that change begins with the youth of our beloved country, especially university students, after attending numerous dialogue sessions and seminars with dignitaries, including a recent session with Prime Minister Dr. Bisher Al-Khasawneh, where he discussed the visions of His Majesty King Abdullah II and emphasized the role of youth and women in developing political and economic life, I set my goals to engage in parliamentary life in the future. The Student Union elections are a complete simulation of parliamentary elections and were one of the reasons for embarking on this experience. Additionally, I aim to continue assisting my peers, whether by guiding first-year students or by providing training opportunities and practical simulations through workshops, scientific visits, and conferences.

I also aspire to implement several ideas aimed at improving the educational environment and utilizing our university's resources to serve the students, which will certainly reflect positively on Yarmouk University first, and on our beloved country and its economic progress with the efforts of scientifically competent and politically aware youth under the leadership of His Majesty King Abdullah II and his loyal Crown Prince Al Hussein bin Abdullah.

On another note, I am a player on Yarmouk University's basketball team and have numerous achievements in this field. I won two championships at the national level before university. I was also recognized as the youngest coach in Jordan after receiving a coaching certificate at the age of 16. Currently, I am the youngest coach working with the Jordan Basketball Federation in the Promising Falcons

program. After taking a refereeing course about a year ago, I was selected by the federation to officiate local matches. Recently, I passed the Asian Federation exam to be promoted to an international referee, and I aspire to referee the Asia Cup and the World Cup in the coming years.

## Election Results of the Local Lists



**Computer Engineering:**  
Bandar Youssef Salah  
Mahmoud



**Industrial Engineering:**  
Muhammad Nour Fares  
Muhammad Sammadi



**Electronics Engineering:** Islam  
Sami Khaled Al-Ali



**Communications  
Engineering:** Anas Khaled  
Mohammed Al-Qur'an



**Civil Engineering:** Anas Omar  
Salem Zaitoun



**Biomedical Systems  
Engineering and Biomedical  
Informatics:** Bashar Khaled Al-  
Alawneh





**Architectural Engineering:**  
Abdul Rahman Khaled Awad  
Hamisi



**Electrical Power Engineering:**  
Ayham Khaled Suleiman Al-  
Khazaleh



**Mechanical Engineering:**  
Ibrahim Walid Muhammad Al-  
Shaqran

### Election Results of the General Lists



**Hala Alawneh, Biomedical  
Systems Engineering and  
Biomedical Informatics**



**Ahmed Al-Khouli, Computer  
Engineering**



**Aoun Al-Kayed, Biomedical  
Systems Engineering and  
Biomedical Informatics**



### Female Appointed

**Ghazal Halman, Industrial  
Engineering**

### The Hijjawi Faculty Holds a Closing Ceremony for the Space Science Fundamentals Course

The closing ceremony for the Space Science Fundamentals course was held at Wisam Bushnaq Hall at the Hijjawi Faculty for Engineering Technology. The course was organized by the Aerospace and Electronic Systems Society (AESS YU) in collaboration with the Regional Center for Space Science. The ceremony was attended by Prof. Mwafaq Otoom, the Dean of the Faculty of Engineering, Engineer Muammar Haddadin, the Head of the Regional Center for Space Science, and speakers Dr. Ammar Al-Sakaji and Qais Al-Omari.





### The Department of Architecture Engineering Conducts an Architectural Exhibition

The Department of Architecture Engineering at The Hijjawi Faculty of Engineering Technology, organized by Dr. Salwa Alawneh, hosted an architectural exhibition featuring the department's top projects from all years. The exhibition was graced by the presence of the Faculty's Dean, Prof. Dr. Mwaffaq Otoom, the Department of Architecture's Head, Dr. Zaid Al-Deek, and several members of the faculty and department's administrative staff. Students Ahmed Al-Tuwaisat and Abdulrahman Al-Humaisi were responsible for organizing the event.



# Students Activities

The Architectural Engineering Dept Organizes a Seminar "Your Experience in 10 Minutes"



The Department of Architectural Engineering at Yarmouk University, under the supervision of Dr. Mona Ibrahim and Dr. Sahar Al-Rabadi, along with several student organizers, conducted an architectural seminar titled "Your Experience in 10 Minutes." The seminar was held on Wednesday, May 22, 2024, at Wissam Bashnaq Hall, Hijjawi Faculty, with a significant presence of students and faculty members. This seminar aimed to explore diverse professional experiences of architects after specializing in architecture, showcasing how this specialization enabled them to open new horizons and wide-ranging opportunities in their professional lives. Architect Ossaid Al-Eitan hosted the seminar second session and spoke about the "Tamayouz" Award for Architecture, offering the architectural engineering department a subscription to participate in the competition with a \$500 funding for graduation projects.





This seminar provided an excellent opportunity to raise awareness about how architectural engineering can serve as a gateway to multiple and varied career paths. Through the presentations of honored guests, inspiring professional experiences were showcased, demonstrating how their architectural background facilitated successes in diverse fields.

### Session 1: Dare to be Different

1. Think like an architect - Work like a designer: This topic included discussions by Tamara Masaadeh, Dana Awamleh, and Rahef Ramahi on how architects use their design background to explore new fields.
2. Different fields - New opportunities: Daniya Awwadat, Aseel Abu Sommaqa, and Farah Jubreen discussed new opportunities in various fields.
3. Work chances as ARCHITECTS never end: Reem Kazazeh and Rasha Alimat shared their experiences regarding ongoing job opportunities for architects.
4. Say yes to the Dress: This session covered the experiences of Sara Nashat, Sara Musa, Abeer Khader, and Tala Zaa'irat in the fashion industry.
5. Marketing & media ... Why not?: Leila Kloob and Maya Amer discussed the importance of marketing and media for architects.
6. "Initiative - architecture" partnership: Lina Abu-Jaradah presented partnerships between initiatives and architecture.

**Session 2: Tamayouz Award for Architecture** Architect Ossaid Al-Eitan delivered a speech on architectural awards and professional events, emphasizing the significance of these awards in the career development of architects. He specifically highlighted the "Tamayouz Award for Architecture" that he founded, outlining its importance and how students can participate. The session included a lively Q&A session where students actively engaged with Arch. Al-Eitan, providing a valuable opportunity for knowledge exchange.

The architectural seminar "Your Experience in 10 Minutes" was a remarkable event that allowed students to benefit from diverse experiences of architects. It enhanced their understanding of the importance of their specialization in opening new avenues in their professional lives. We take pride in organizing this seminar and look forward to future events that contribute to the development of our students' skills and deepen their knowledge of various architectural fields.



### A Scientific Visit to the Jordanian Center for Design and Development (JODDB)



Based on the vision of the Department of Mechanical Engineering to network with national institutions and to enhance the capabilities of students in the practical aspects of engineering, a scientific visit was organized with cooperation with industrial engineering department to the Jordanian Center for Design and Development (JODDB) in the industrial zone of the center in the Al-Dhaleel area (Al Zarqa'a), accompanied by Dr. Mohammed Al-Zoubi, Head of the Department of Mechanical Engineering, and Dr. Ghazi Maqablh from the Department of Industrial Engineering. The students heard a briefing on the establishment of the center, its objectives and affiliated factories, then the students visited some factories such as the light weapons factory and the factory of helmets and military suits, and students were taken to the heavy machinery factory which is designed starting with the development of a basic design.

The students were also taken to the heavy vehicle's factory, in which the process starts from the initial blueprints to the final product and within the best international specifications, these vehicles are used by the Jordanian Armed Forces in the fields of border guards and anti-terrorism, in addition to the vehicles used for public security and civil defense. The students expressed their great admiration for the advanced technology and high skills of the center's engineers and technicians, which reflect the great capabilities of the Arab Army. On the sidelines of the visit, it was agreed with the center management to train some students in the factories of the center within the field training course.

## A Significant Step Towards a Professional Work Environment: ASEE-YU Launches a Code of Conduct and General Work Ethics - a First for Student Communities at Yarmouk University

In a groundbreaking move that reinforces a professional work environment and inculcates teamwork values, the ASEE-YU chapter at Yarmouk University has launched a Code of Conduct and General Work Ethics.

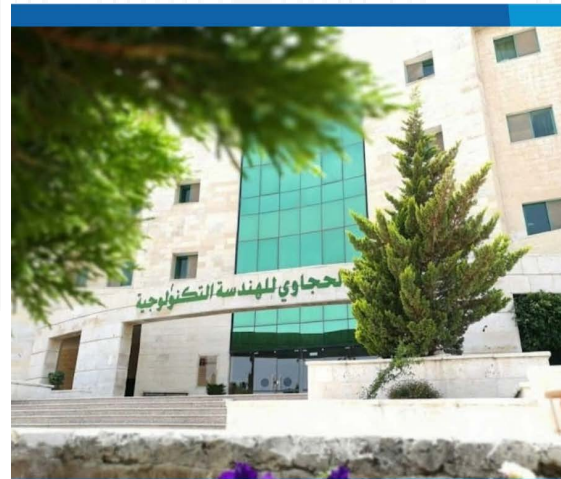
This initiative is the first of its kind among student communities at Yarmouk University and comes as part of ASEE-YU's efforts to create an organized and effective work environment that contributes to achieving the branch's goals.

The Code of Conduct and General Work Ethics Blog includes a set of principles and rules that guide the behavior of branch members in all interactions inside and outside the branch. These principles include:

- **Respect:** Treat all members and guests with respect and appreciation, regardless of their background or opinions.
- **Professionalism:** Strive for excellence in all work and adhere to the highest standards of professional conduct.
- **Integrity:** Act with integrity and honesty in all situations and take responsibility for our actions.
- **Teamwork:** Work together as a team to achieve our common goals.
- **Responsibility:** Take responsibility for our actions and fulfill our obligations to the branch.
- **Innovation:** Encourage creative thinking and apply new ideas to improve our work.
- **Diversity:** Value diversity and encourage the participation of all members in branch activities.

The student branch president, Abdullah Na'amneh, emphasized that the Code of Conduct and General Work Ethics document came to confirm ASEE-YU's commitment to providing a positive work environment that stimulates creativity and innovation.

He added that this initiative indicates the maturity of ASEE-YU as a leading student organization that strives to promote professional and ethical values among its members.





## AEE-YU Student Chapter Presents a Project “Integrating AI with Solar Energy” at the ElectroNode Conference

AEE-YU student chapter presented their project “integrating AI with solar energy” at the ElectroNode conference which was in Amman. With approximately 700 students specializing in electrical engineering from Jordanian universities, the conference served as a vital platform for exchanging ideas and insights. The conference theme centered around artificial intelligence and preparing youth for the job market, reflecting the pressing need to equip aspiring professionals with cutting-edge skills for tomorrow’s challenges.



## ASEE-YU Participates in the Scientific Day of Hijjawi Faculty for Engineering Technology

A delegation from ASEE-YU actively participated in the Scientific Day of Hijjawi Faculty for Engineering Technology, held in celebration of the college’s 40th anniversary since its establishment, showcasing the faculty’s achievements and contributions to the field of engineering.

The Scientific Day serves as a testament to the college’s longstanding commitment to excellence in engineering education and research. ASEE-YU’s active participation enriched the event, providing valuable insights and enhancing collaborative opportunities within the engineering community.



## The Energy Engineers Association at Yarmouk University Organizes an Exhilarating Educational Trip to a Vital 6-megawatt Solar Energy Project

The Energy Engineers Association at Yarmouk University organized an exhilarating educational trip to a vital 6-megawatt solar energy project at the Qawar station in the Ramtha region. This event stood out for providing a unique practical learning opportunity for our students, as they actively engaged in the design, operation, and maintenance processes of this exceptional project. This trip is part of the association's strategy aimed at qualifying and developing distinguished engineering cadres fully equipped to meet the growing demands of the job market. The team goal is to cultivate a generation of inspired experts capable of driving change and innovation in the energy and environment sectors.



## The Hijjawi Faculty Football Team Qualified for the Second Round in the Football Championship for Faculties at Yarmouk University

The Deanship of Student Affairs held a five-a-side football tournament for the faculties of Yarmouk University. The Hijjawi Faculty participated in the tournament. The first round of the tournament ended with the faculty team leading the group after defeating the Faculty of Business Administration with a score of 11 to 1, the Faculty of Nursing 7 to 1, and the Faculty of Medicine 7 For 3. The faculty team was composed of students: Faisal Ashraq Obaidat, Islam Sami Al-Ali, Osama Munir Al-Hajjat, Laith Suleiman Obaidat, Ibrahim Muhammad Obaidat, Zaid Ali Al-Jarrah, Ahmed Bassam Al-Sayeh, Abdul Rahman Khaled Al-Jaouni, Yazan Abdullah Al-Amri, Osama Khaled Al-Jaouni, and Muhammad Jamal. Fayyad and Ayham Suhail Al-Quran.





## The Department of Architectural Engineering Participates in the 7th Jordan International Architectural Conference "Arch-AI"

The Department of Architectural Engineering, Hijjawi Faculty for Engineering Technology, at Yarmouk University actively participated in the 7th Jordan International Architectural Conference titled "Architecture and Artificial Intelligence - Arch-AI," organized by the Jordanian Engineers Association/Architecture Division. The conference was held at the Landmark Hotel, Amman, Jordan, on April 27-28, 2024. The participation was distinguished by the active presence of department academic members and students, who showed their projects and exchanged ideas and experiences with architects from various fields.

The conference activities included discussion sessions and workshops focused on the applications of artificial intelligence in architecture and construction. The students interacted with architects from different fields, allowing them to exchange ideas and experiences and gain new insights that could enhance their future projects. Also, some of our students were accepted at some offices as trainees for the next summer semester.

Our participation was through presenting five outstanding projects that focused on construction technology, smart buildings, and smart cities which are supervised by Dr. Sahar Alrabadi and Dr. Muna Alibrahim. The MidJourney AI application was used to create images of some projects. Eleven students participated in projects, while more than 40 students attended the event and received certificates of participation and attendance.

1. Smart Bus Stop - BRT: Khozama Ababneh, Aseel Al-Naji, Rama Qudoura, Haya Abu Obeid
2. Cube Garden of Scenes: Maram Athmaneh, Ruba Nuseirat
3. Kinetic Walls and Smart City: Rama Dagamseh, Lujain Abu Al-Sheikh
4. Intelligent Skin: Abeer Al-Masri
5. The Role of Artificial Intelligence in Construction Safety: Rand Abu-Jaber, Roaa Al-Shilakhti

The students' participation provided an opportunity to interact with architects from various fields and exchange ideas and experiences in architecture. This interaction contributed to enhancing their skills and gaining new insights that could develop their future projects.



## Student Abdullah Na'amneh Participates in the Second National Youth Dialogue Conference

Student Na'amneh from the Electronics Engineering Department participated in the Second National Youth Dialogue Conference, held under the patronage of His Royal Highness Crown Prince Hussein bin Abdullah II at the Dead Sea Convention Center from May 6 to 8, 2024.

This participation presented an exceptional opportunity to engage with elite Jordanian youth from diverse fields to discuss the latest advancements of the Comprehensive National Modernization Vision.

The conference was characterized by a comprehensive dialogue that encompassed all aspects of the Modernization Vision, placing a strong emphasis on the needs and aspirations of young people. This enabled us to openly express our ideas and proposals and contribute to shaping a brighter future for our nation.

The conference resulted in the establishment of youth recommendation committees that included several participating students. We collectively prepared a comprehensive recommendation paper to ensure the continued implementation of the Modernization Vision in alignment with the needs and aspirations of young people.

The recommendations centered on crucial areas such as education, entrepreneurship, employment, and political empowerment. They also encompassed proposals to enhance youth participation in all facets of public life.





## The Engineering Committee Team Organizes a Scientific Lecture on C++ programming

The Engineering Committee team at the Hijjawi Faculty for Engineering Technology organized a workshop on advances of C++ programming. The event was held in the smart hall at the Hijjawi Faculty for Engineering Technology building. The lecture was presented by student Abdalrahman AlBeshtawi. The workshop included an introduction to the programming language, its history, its most important features, and many of its applications. The lecture ended with interaction with the students and answering their questions.



## YU IEEE WIE Participates in the Scientific Day of Hijjawi Faculty for Engineering Technology

The IEEE Women in Engineering Affinity Group-Yarmouk Branch participated in the scientific day organized and hosted by the Hijjawi Faculty for Engineering Technology by presenting a booth showcasing its various activities and events. And they were honored by the event's Patron and the University president for their continuous achievements and useful activities that support women engineers and the local community.





### Civil Engineering Students Visit Jordanian Seismological Center

A group of students from the Civil Engineering Department at Hijjawi Faculty of Engineering Technology visited the Jordanian Seismological Center in Amman under the supervision of Dr. Faisal Shalabi and accompanied by Dr. Madhar Ta'amaneh, Dr. Muath Abu Qamar, and Dr. Mo'taz Al-Duwairi. This visit is aligned with the learning outcomes of the course "Applied Geotechnical Engineering" that is related to earthquake mechanism, monitoring, and its effect on civil engineering facilities. The visit to the center is also aimed to increase the knowledge of students in earthquake engineering and expose them to the activities and studies carried out by the center that serve the educational and practical field. It also comes in the context of giving students the opportunity to see and identify the different parties who are interested in seismic studies and to open areas of cooperation between the Faculty of Engineering and the external competence authorities. During this visit, Eng. Ghassan Sweidan, director of the center, and his team provided a detailed information about the center that include: its tasks, devices used in seismic monitoring operations and their method of work, and the distribution of the stations across the country for recording seismic waves. An overview of Jordan's seismic map as well as earthquake statistics during the period between 2021-2024 was also presented. The mechanism of recording and processing seismic data and the role played by the center in preparing seismic studies were also reviewed. At the end, a practical application was also implemented on how to take, analyze and review seismic data to study the general seismic hazards and infrastructure.



### Civil Engineering Students Visit the Jordan Petroleum Refinery

A group of civil engineering students from Yarmouk University went on a field trip to the Jordan Petroleum Refinery Company (JPRC) in Zarqa, Jordan. This educational trip was organized by Dr. Madhar Ta'amaneh and Dr. Musab Abu Addous from Civil Engineering Department in collaboration with JPRC, aiming to provide students with an in-depth understanding of the structural and operational aspects of one of Jordan's key industrial facilities.

The visit commenced with a detailed presentation on the history and development of the JPRC, established in 1956, and its pivotal role in supplying Jordan with refined petroleum products. The presentation included an overview of the refining process, highlighting the transformation of crude oil into various products like gasoline, diesel and kerosene.

Following the presentation, the students were equipped with safety gear for a comprehensive tour of the refinery. They observed firsthand the intricate infrastructure that supports the refining operations, including distillation columns, heat exchangers, and storage tanks. The students were particularly interested in the civil engineering aspects, such as the design and maintenance of the extensive network of pipelines and the structural integrity of the industrial buildings.

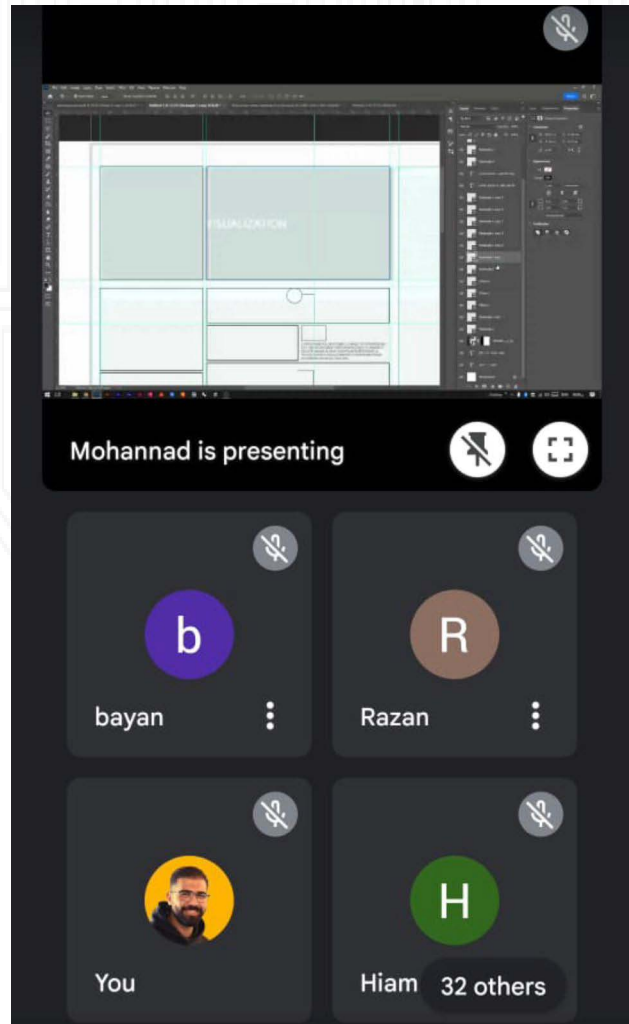
Throughout the tour, the students engaged with JPRC engineers and technicians, who provided insights into the daily challenges and innovations within the refinery. Discussions covered topics such as the structural challenges posed by the harsh operational environment, the importance of regular maintenance, and the implementation of safety measures to protect both the workforce and the surrounding community.





## Cluster Team from the Department of Architecture Engineering Organizes a Photoshop Workshop

The Cluster Team from the Department of Architecture Engineering at Hijjawi Faculty for Engineering Technology, under the supervision of Dr. Salwa Alawneh and Dr. Bara Khattab, organized a Photoshop workshop presented by the Architect Mohammad Waleed. The workshop covered several key topics, most notably: mainly how to design architectural posters, various tools that assist poster design, and before and after operations that must be done from preparing sheets to print the poster.



## Student Abdullah Na'amnah from the Department of Electronics Engineering to be a Member in the Students Union Election High Committee

Abdullah Na'amnah, student from the Department of Electronics Engineering was selected as a member in the Students Union Election High Committee, headed by the Vice President. Abdualлах expressed the feelings of pride and happiness that overwhelmed him after the conclusion of a distinguished democratic entitlement in the halls of the prestigious Yarmouk University, an experience that embodied the spirit of democracy and positive participation.



## ASEE-YU Students Participates in the "Empowering Youth and Inclusive Education" program Workshop

ASEE-YU students participated in the "Empowering Youth and Inclusive Education" program, held over six days at the Dead Sea. The program was split into two sessions from May 28-30 and June 24-26, comprising 32 training hours. This intensive training program aimed to enhance the capabilities of young men and women in crucial areas, focusing on five main pillars:

1. Inclusive Leadership: Gaining effective leadership skills that ensure inclusivity and foster team spirit.
2. Communication Skills: Developing communication abilities, including effective expression and active listening.
3. Positive Change in Inclusive Education: Enhancing educational methods that embrace diversity and support students from all backgrounds.
4. Dialogue, Negotiation, and Decision-Making Skills: Improving the ability to engage in constructive dialogue, negotiate for optimal outcomes, and make informed and considered decisions.
5. Advocacy Campaigns: Learning how to build and implement effective advocacy campaigns for important social issues.

The program was conducted by a team of professional trainers who provided their extensive expertise in an interactive and engaging manner. The program offered an excellent opportunity for learning and development and for networking with diverse participants who share a passion for positive change and building a better future.



## IEEE AESS Participates in the Annual Meeting of the IEEE Jordan Section

Hassan Abu Sreis, the President of IEEE AESS, and Dr. Dalal Zureikat, the AESS Advisor, participated in the annual meeting of the IEEE Jordan Section, which was held on Tuesday, May 28, at the Landmark Hotel in Amman.

This annual meeting is the cornerstone of the IEEE Jordan Section, bringing together key figures and professionals from across the country. This event provides a unique platform to discuss progress, share insights, and collaborate on future initiatives within the IEEE community in Jordan. The presence of distinguished guests and influential members of IEEE Jordan highlighted the importance of this gathering.



## YU-ASEE Organizes a Workshop on Sustainable Community Management within Baqa'a Camp.

Under the supervision of Branch Supervisor Dr. Ali Shehadeh, the student branch of the ASEE organized a workshop on sustainable community management within Baqa'a Camp. The workshop was presented by Italian researcher Dr. Victoria Katila, focusing on the benefits of digital twinning and the WEFE NEXUS (Water-Energy-Food-Ecosystem).

The workshop is part of Dr. Katila's research visit to Jordan and aims to enhance the understanding and application of sustainable practices in community management. By leveraging digital twinning technology, participants learned about creating virtual models of physical assets to improve planning, monitoring, and managing community resources efficiently.





## IEEE CS YU Chapter Organizes a Workshop on Lean Methodology in Tech Startups

The IEEE Computer Society Yarmouk University chapter organized a workshop about the Jordanian Entrepreneurship Competition (JEC) titled "Lean Methodology in Tech Startups". JEC is a national entrepreneurship competition targeting students with entrepreneurial mindsets from all Jordanian universities, participants will have the opportunity to compete nationally where the winning teams will receive valuable awards.



## YU IEEE AESS Participates in the Organizing Body of the IEEEEXTREME 18.0 Competition

Members of the aerospace and electronic systems community participated in the organizing body of the IEEEEXTREME 18.0 competition. Mohammed Karasneh assumes the position of secretary of the team, where he will act as an ambassador for the competition, along with our distinguished team members Raghad Al-Sharaa from the Astro team as the leader of the Jordan section of the competition, and Raneem Al-Akour as the director of communications for the R8 region of the competition.



### Student Team Won the Second Place in the Internet of Things Innovation Hackathon

Students Nour Douiri and Salsabil Amaira won second place on the Internet of Things Innovation Hackathon, organized by the Institute of Electrical and Electronics Engineers, Yarmouk University branch. This hackathon, which was held at the Hijjawi Faculty of Engineering Technology, had its first face-to-face sessions on campus, while the rest of the sessions were completed online in cooperation with the Rich Sai team to develop the participants' skills and train them in critical thinking and innovative skills. The winning project is titled "Smart Bin," which is a smart waste bin that works through sensors capable of separating waste according to its types: organic, plastic, or others.



### The YU AEE Team Attends Iftar Hosted by REES AEE Jordan Chapter

REES AEE Amman Chapter hosted a remarkable iftar dinner, extending invitations to university student branches across Jordan. Among the attendees was the AEE team from Yarmouk University, led by Engineer Ismaeel Abu Al Hommos. During the event, they engaged in discussions revolving around crucial energy-related topics, fostering a collaborative environment aimed at advancing sustainable energy solutions. The gathering provided a platform for exchanging ideas and insights, contributing to the collective efforts towards a greener and more sustainable future.





### The YU AEE Team Participates in the Second Annual Forum for Energy Students in Jordan

The AEE YU team at the Hijjawi Faculty for Engineering technology participated in the second annual forum for energy students in Jordan, which was held at the Jordanian Engineers Syndicate, Amman.

The event was attended by prominent figures and companies in engineering and modern technology. Many ideas, innovations and courses benefiting engineers in their fields and specializations, were presented.



### The YU AESS and the YU PES, in collaboration with My CV, Organize a Workshop on CV Writing and Practical Interview Skills

The workshop aimed to enhance students' and graduates' skills in crafting proficient CVs and preparing them for successful job interviews. It consisted of two training sessions, with the first session held on Tuesday, April 16th, from 1:30 PM to 3:00 PM, and the second session on Wednesday, April 17th, from 12:30 PM to 2:00 PM. More than 25 students from various college majors attended the event. The event took place at the Smart Hall of the Industrial Engineering Department at Hijjawi Faculty of Engineering.

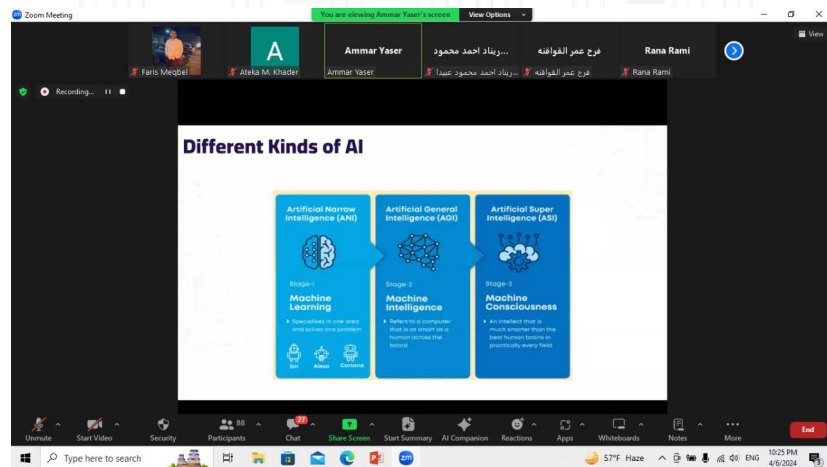
The workshop was conducted by the excellent coach, Mohammed Al-Awalmeh, Talent Acquisition and Organizational Development Consultant at Cambridge Consulting Services, who has over 7 years of experience in the field of human resources.





## The IEEE EMBS Student Chapter Organizes an Online Workshop Entitled "AI in the Medical Field"

The IEEE EMBS Student Chapter organized an online workshop titled "AI in the Medical Field" with Eng. Ammar Yasser from Shai Company on Thursday, April 2nd. Eng. Ammar discussed the latest developments in medical technology in the field of artificial intelligence, explaining how AI is used to diagnose cancer. He also gave examples the career opportunities for biomedical engineers in the AI field in Jordan and in the world, answered all attendees' questions, and offered some advice for advancing in the AI field.



## The IEEE EMBS Student Chapter Participates in the Scientific Day of the Hijjawi Faculty For Engineering Technology

The IEEE EMBS Student chapter was part of the organizing team and had the honor of contributing to the organization of this event, which was under the patronage of Prof. Labib Al-Khudra.

We had the opportunity to set up a booth on this day to introduce students to our team, its goals, and its aspirations. We also showcased some projects completed by our distinguished members.

Our chapter was honored on this day by the university president, Prof. Islam Massad, for receiving the award for the best chapter in the Middle East and North Africa, in addition to our ongoing efforts to enrich the educational process in Jordan.



## The YU AESS Participates in the Scientific Day of the Hijjawi Faculty of Engineering Technology

The Space and Electronic Systems Society (AESS) participated in their own booth within the activities of the Scientific Day of the Hijjawi Faculty for Engineering Technology. This event, which brought together students, professors and experts in engineering and technology, provided an important platform for exchanging ideas and innovations and enhancing cooperation among participants.



## Student Qusai Mashriqi Organizes an Introductory Workshop on FIN41 Competition

This session aims to enable entrepreneurs in the field of financial technology to learn how to present their entrepreneurial ideas quickly and effectively in 41 seconds, to qualify them to participate in the FIN41 Pitchathon competition, which is organized as part of the FINCONJO conference activities. The FINCONJO Conference is one of the most prominent conferences in the field of financial technology in Jordan and aims to exchange experiences and promote financial innovation in the Middle East and beyond. The conference will be held under the auspices of the Central Bank of Jordan and organized by Sofex and Wafra Business, on June 24 and 25, 2024, at the Four Seasons Hotel - Amman.





## The Computergy Team Holds a Meeting with New Students in the Computer Engineering Department

The Computergy Team held a meeting with new students in the Computer Engineering program. Several key topics were discussed during this meeting regarding their academic and professional futures.

The meeting emphasized the importance of collaborations such as our collaboration with "Programming Club" were highlighted as effective models for students to work together in solving programming challenges and advancing their technical skills. Students were encouraged to participate in such initiatives to develop their skills and build both social and professional networks.

We discussed the evolving landscape of computer engineering, stressing the importance of staying abreast of technological advancements for career readiness, as we all know that technology is updated every day!

Finally, we heard the students' suggestions to make a future plans by the Computergy team aiming at elevating the academic and technical skills of students which includes educational workshops, internal programming competitions, and specialized courses in various computer engineering subfields. Emphasis was placed on academic guidance and technical support for new students to ensure their academic excellence.

Through this meeting, students gained better opportunities to enhance their knowledge in computer engineering, expand their social and professional networks, thereby contributing to their academic and professional goals successfully.



## Students Hala Alawneh and Jood Jamhawi Participate in a Training Course Entitled "Stay Positive" Organized by Erasmus+ in Collaboration with the Jordanian Youth Creativity Forum in the Turkish Capital, Ankara.

Students Hala Alawneh from the Biomedical System and Informatics Engineering Department and Jood Jamhawi from the Telecommunications Engineering Department participated in a training course titled "Stay Positive" organized by Erasmus Plus in collaboration with the Jordanian Youth Creativity Forum in the Turkish capital, Ankara, from May 12th to 18th. The course included six teams from different countries (Jordan, Turkey, Egypt, Poland, Italy, Spain).

The course aimed to enhance positivity among youth and its impact on various aspects of academic, professional, and even political life. It included many activities and visits to a center for children with disabilities and a nursing home, where participants learned how to interact with them and reviewed the complete medical and extracurricular facilities that promote positive thinking for them. There was also a cultural night for each participating country, where each team presented their country's heritage.





## YU IEEE AESS Participates in the First Aviation and Seventh Robotics and Artificial Intelligence Conference





## The (Jalsa Handasiya) Radio Program Continues in its Second Season

After the success of the program in the first season, the (Jalsa Handasiya) radio program continues in its second season by hosting a group of prominent guests in the world of engineering to discuss the latest developments in the scientific area and keep up with the latest developments.

Since the beginning of the year until now, the program has hosted a group of guests. The program has also developed to include media coverage of the most prominent field events at Yarmouk University and outside it, such as MESYP Conference in the capital Amman, Blood Donation Campaign at Hijjawi Faculty, Ramadan Iftar of Hijjawi Faculty, Youth and Parties Dialogue Seminar, Elections of the Student Branch of the American Society for Engineering Education, Meeting of Eng. Ayman Al-Hijjawi with the College Students, Meetings of the Dean with the students running for the Student Union elections, Scientific Day of Hijjawi Faculty, Graduation Ceremony of the Basics of Space and Astronomy Course, Independence Day Anniversary, Student Union Elections 29, National Celebration of His Majesty the King's Silver Jubilee.







Guests include: - Student Tamara Al-Azzam / WIE Society Officer, Student Hamza Al-Zoubi / Head of the CEIBA Volunteer Team, Dr. Issa Shehabat / Former Head of the Accreditation and Quality Assurance Center, Dr. Musab Abu Al-Adous / Head of the Civil Engineering Department, Engineer Fatima Al-Zamel / Graduate of the Department of Biomedical Engineering

Prof. Dr. Ahmed Al-Khasawneh / President of Irbid National University, Eng. Hiba Qaddumi / MESYP Conference Officer, Eng. Alaa Hatamleh / Founder of Black Box Company, Eng. Hussein Al-Sarayrah / Director of the Jordanian Sustainability Laboratory, Student Khaled Taym / Crown Prince Award for Best Government Services Application, Student Moamen Bani Malham / Second place in the competition ATG, M. Suwar Aida / Entrepreneur, Andon Team / Winner of the Supply Chain Competition, Prof. Mwaffaq Otoom / Dean of Hijjawi Faculty, and Dr. Fadi Obeidat / Director of Synopsis Jordan.



## The YU ASEE Student Chapter Organizes a Scientific Visit to the Crown Prince Foundation Digital Fabrication Lab (Makerspace)

The ASEE student chapter at the Hijjawi Faculty for Engineering Technology organized a scientific visit to the Crown Prince Foundation Digital fabrication lab (Makerspace). This visit was designed to provide participants with hands-on experience with the tools and technology essential for innovation and creativity.

Participants gained a better understanding of how to use advanced tools and technology, which will be beneficial for their academic and professional careers. The creative environment of Makerspace inspired participants to pursue innovative projects and think outside the box. Also, the visit facilitated connections between students, faculty, and Makerspace members, opening opportunities for future collaborations.

Overall, the Makerspace site visit was a highly enriching experience that provided valuable insights into the world of innovation and creativity. It emphasized the importance of practical skills and collaborative efforts in driving technological advancements and educational growth.





## The YU ASEE Participates as an Organizer in the Deanship of Scientific Research Scientific Day

The ASEE-YU team actively participated in organizing the Scientific Day of the Deanship of Scientific Research and Graduate Studies, taking charge of planning, coordinating activities, and managing sessions. Team members were responsible for facilitating registration and maintaining communication with participating entities.

The Scientific Day aimed to promote a culture of research and innovation among students and faculty at the university. The event served as a crucial platform to showcase innovative research and projects contributing to scientific and technological advancements.

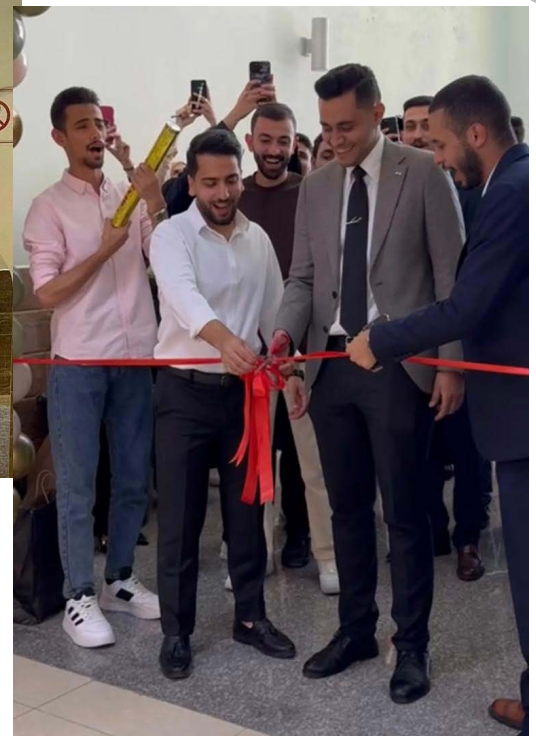
The Scientific Day was a fruitful and inspiring experience for all participants, with the ASEE-YU team playing a crucial role in ensuring the success of organizational and research activities. This event marks a significant step towards fostering a culture of research and innovation within the academic community, motivating students and faculty to actively engage in the global research landscape.



## The Hijjawi Faculty of Engineering Technology Hosts the Exhibition of Graduation Notebooks

At the end of the semester, the atmosphere at the Hijjawi Faculty of Engineering Technology was filled with excitement. Among the hustle of final exams and graduation preparations, a special tradition unfolded—the exhibition of graduation notebooks. This event was eagerly awaited by both students and faculty, marking a significant moment where graduating students shared their personal notebooks for their peers to write heartfelt messages and memories.

Each graduating student proudly displayed their notebook, a compilation of years dedicated to learning, personal growth, and friendships. The notebooks varied in style and design, reflecting the distinct personalities and experiences of their owners. Classmates seized the opportunity to write words of encouragement, reminisce about shared moments, and express admiration for each other's accomplishments. Faculty members also participated enthusiastically, offering congratulations and imparting words of wisdom to the graduating students. They watched proudly as the students navigated the exhibition, appreciating the camaraderie and mutual respect among peers.





# Faculty Members

## Dr. Shehadeh from the Civil Engineering Department Participates in the Stability-and-Peace Accelerator Workshop

Dr. Ali Shehadeh from the Civil Engineering Department at Yarmouk University, recently participated in the highly esteemed Stability-and-Peace Accelerator workshop held this June. The workshop, focused on the scaling and implementation of innovative solutions for global challenges, brought together experts from diverse sectors to collaborate and share knowledge.

During the workshop, Dr. Shehadeh engaged actively in several key sessions, including 'Innovation Packaging: Enablers, Solutions, and Opportunities' and 'Scaling Readiness Assessment', where he contributed his extensive expertise in civil engineering and sustainable infrastructure development. His participation emphasized the critical role of technical knowledge in enhancing the scalability and effectiveness of innovative environmental solutions.

Dr. Shehadeh also took part in strategic discussions that aimed at assessing the readiness of various

innovative solutions for broader application. His insights were particularly valued in evaluating the technical and socio-economic impacts of proposed innovations, ensuring they are both sustainable and adaptable to different environments.



## Dr. Obeidat from the Electronics Engineering Dept. Co-Organizes the 30th International Conference on Telecommunications (ICT 2024)

Dr. Yusra Obeidat, an associate professor in the electronics engineering department, was actively involved in organizing the 30th International Conference on Telecommunications (ICT 2024). She was a key member of the Publicity and Communications Committee and chaired two main papers tracks during the conference. Her contributions were recognized, and she was honored by the conference chair for her exceptional efforts.



## Dr. Shehadeh from the Civil Engineering Department a Prominent Participant at the Technical Committee Meeting for the Jordan Resilience Project

In a significant gathering aimed at bolstering national resilience, Dr. Ali Shehadeh of Yarmouk University was a prominent participant at the technical committee meeting for the Jordan Resilience Project, held recently at the UNDP building in Amman. This meeting brought together influential figures from various sectors, including the National Center for Security and Crisis Management, the Ministry of Local Administration, the Royal Scientific Society, and the Ministry of Planning and International Cooperation.

Dr. Shehadeh, representing the academic and scientific community, contributed to discussions focused on developing sustainable solutions to enhance Jordan's capability to withstand and recover from economic, environmental, and social challenges. The project aims to pool expertise and resources from across the country's institutional spectrum to create impactful resilience strategies.

"This initiative not only aligns with Yarmouk University's mission to lead societal development through academic excellence but also propels Jordan towards enhanced development and security," Dr. Shehadeh remarked. As the project progresses, further updates are expected on how these collaborative efforts will materialize into concrete actions that benefit the broader Jordanian community.



## Dr. Masadeh from Computer Engineering Dept Participates in the Erasmus+ Staff Mobility to the University of Ruse, Bulgaria

Dr Mahmoud Masadeh has participated in the Erasmus+ staff mobility for teaching program during the period from 10 to 14 June 2024. During his visit to the University of Ruse, Bulgaria, he delivered eight hours of lectures and seminars and got in contact with researchers from various countries including China, Vietnam, Kazakhstan, Serbia, and Romania.





## Two Professors from the Hijjawi Faculty for Engineering Technology Visit the Technical University of Crete as Part of the Erasmus+ Mobility Program

Dr. Zaid Albataineh and Dr. Faris Matakah from the Hijjawi Faculty of Engineering Technology at Yarmouk University recently participated in a teaching mobility exchange at the Technical University of Crete (TUC) in Greece as part of the Erasmus+ program. This initiative aims to encourage international cooperation and enhance the quality of education through academic exchanges.

During their visit, Dr. Albataineh delivered a presentation on Yarmouk University, highlighting recent developments in curricula and academic programs. He emphasized the university's commitment to integrating advanced technologies and innovative teaching methodologies to provide students with a comprehensive and competitive education. Dr. Albataineh also discussed ongoing efforts to align the university's programs with international standards, ensuring graduates are well-prepared for the global job market.

Dr. Matakah's presentation focused on the emerging trends in sustainable construction materials, particularly the use of geopolymers. He detailed the benefits of geopolymers, such as their low carbon footprint, durability, and cost-

effectiveness, making them a viable alternative to traditional construction materials. Dr. Matakah underscored the importance of sustainable practices in the construction industry and shared Yarmouk University's research initiatives aimed at developing and promoting eco-friendly construction solutions.

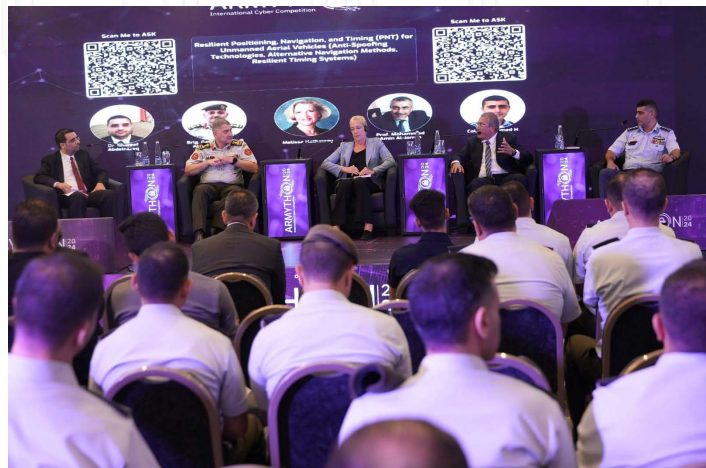
In addition, Dr. Albataineh and Dr. Matakah visited the laboratories in the College of Engineering at TUC. They explored various state-of-the-art facilities, including those focused on materials science and electrical engineering. The professors were impressed by the advanced research equipment and the innovative projects being conducted at TUC, which opened new possibilities for collaborative research efforts.

The visit also provided an opportunity for both professors to discuss potential collaborations between TUC and Yarmouk University. They explored areas of mutual interest, including joint research projects, student and faculty exchanges, and collaborative academic programs. These discussions aimed to strengthen the ties between the two institutions, encouraging a collaborative environment that benefits both students and faculty members.



## Dr. Abdel-Razeq from the Telecommunications Engineering Department Moderates and Speaks at the International Cybersecurity Competition (ARMYTHON2024)

Dr. Sharief Abdel-Razeq/Head of Telecommunications Engineering Department was chosen by the Jordanian Design and Development Center (JODDB) to moderate and speak at a discussion panel related to wireless communications and drones in military applications under the name of "Resilient Positioning, Navigation, and Timing (PNT) for Unmanned Aerial Vehicles: Anti-Spoofing Technologies, Alternative Navigation Methods" on the sidelines of the International Cybersecurity Competition (ARMYTHON2024) under the patronage of His Highness Crown Prince Hussein bin Abdullah II, which was held during the period from 6/2024/30/2024/2/7 - at the Intercontinental Hotel - Amman.



## Dr. Obeidat from the Electronics Engineering Department Presents a Paper in ACR'24 Held at IE University in Madrid, Spain

Dr. Yusra Obeidat, an Associate professor in the Electronics Engineering Department presented a paper entitled as "A Quadcopter Development for Security Purposes" in ACR'24 (Advances in computing research 2024) conference that was held at IE University in Madrid, Spain (35-june 2024). the conference was focused on AI, Information technology, Computational intelligence, cloud computing, cybersecurity, big data analysis, networking and communication, robotics and automation. It was a great opportunity for her to establish research relationships, expand her knowledge networks, and enrich her knowledge and understanding of different aspects. The proceedings is now published in Springer and added to Scopus.



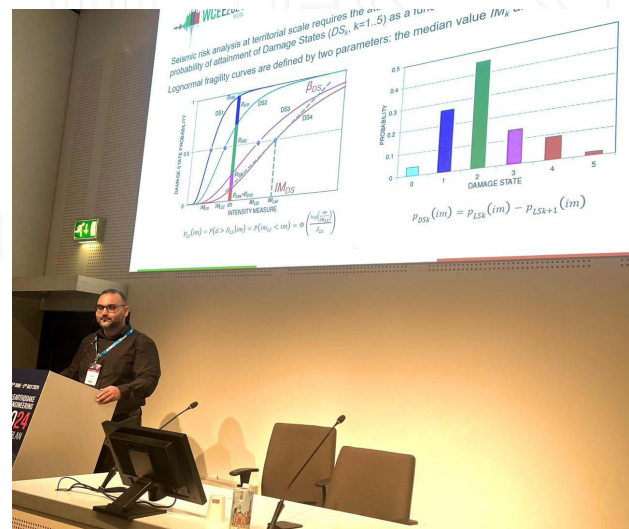


## Dr. Shehadeh from the Civil Engineering Department Presents in the 18th World Conference on Earthquake Engineering (WCEE2024), held in Milan, Italy

Dr. Ali Shehadeh from the Civil Engineering Department has made a significant impact at the 18th World Conference on Earthquake Engineering (WCEE2024), currently being held in Milan, Italy. This prestigious event, attracting nearly 4000 participants from academia, industry, and the public sector, is a pivotal gathering for the latest advancements in earthquake engineering. Dr. Shehadeh's paper has garnered considerable attention. His research focuses on innovative approaches to mitigate the impacts of natural disasters, employing state-of-the-art technologies to enhance resilience and preparedness. The paper delves into the utilization of advanced monitoring systems, predictive analytics, and automated response strategies to minimize risks and improve recovery efforts post-disaster.

The conference, running from June 30 to July 5, 2024, has featured a series of keynote addresses, technical sessions, and interactive

workshops. Topics covered range from seismic hazard assessment and structural dynamics to emergency response and public policy. Dr. Shehadeh's contribution stands out for its forward-thinking approach and practical applications, which hold promise for significant advancements in the field.



## Dr. Obeidat from the Electronics Engineering Dept. Participates in the IEEE Jordan Section Annual Meeting held by IEEE-Jordan section

Dr. Yusra Obeidat, an associate professor in the Electronics Engineering Department participated in the annual meeting ceremony held by IEEE-Jordan section under the patronage of Her Excellency Minister Haifa Al-Najjar, Minister of Culture. Dr. Yusra Obeidat, who serves as the Secretary-General of the IEEE- Jordan and is the chair of the Women in Engineering affinity group (IEEE-WIE) in Jordan, was honored for receiving the award of 2023 Region 8 section WIE affinity group of the year. The ceremony was attended by a large number of Jordanian university presidents, deans of engineering and computer science colleges, university faculty members, representatives from various companies and Jordanian engineers' association, student chairs from various University branches, supervisors, and advisors in Jordanian universities.



## Dr. Shehadeh from the Civil Engineering Department a Key Speakers at 1st International Talk on Green Business, Sustainability and Climate Action

Dr. Ali Shehadeh from the Civil Engineering Department recently distinguished himself at the "1st International Talk on Green Business, Sustainability and Climate Action," an event co-organized by the Global Ambassadors of Sustainability and the Global Green Chamber of Commerce. The webinar, aimed at advancing the global discourse on sustainable practices and climate action, featured Dr. Shehadeh as one of the key speakers.

During the session, Dr. Shehadeh shared his insights on the integration of sustainable technologies in civil engineering and the importance of building resilient infrastructures that can withstand environmental changes. His presentation highlighted innovative approaches and strategies to enhance sustainability in the construction industry, drawing on his extensive research and experience in the field.

The webinar was officiated by Michelle Thatcher,

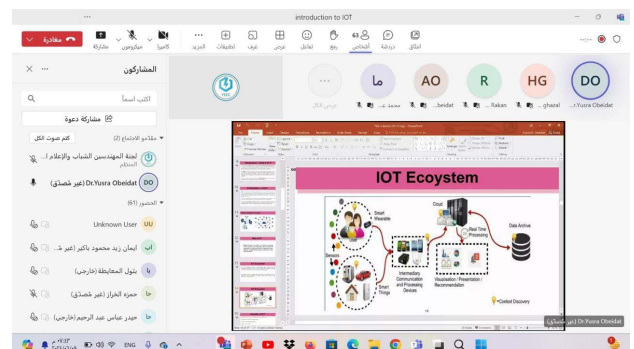
who commended Dr. Shehadeh and his fellow speakers, Prof. Ergin Akalpler and Prof. Dr. Sasirekha V, for their contributions to the field of sustainability. Dr. Shehadeh's participation not only underscored his expertise but also emphasized Yarmouk University's commitment to contributing to global sustainability efforts.

As initiatives like these continue to push the boundaries of what is achievable in climate action and green business, the insights provided by experts like Dr. Shehadeh are invaluable in guiding future policies and practices worldwide.



## Dr. Obeidat from the Electronics Engineering Dept. Delivers a Free Workshop Entitled "Introduction to Internet of Things (IoT)"

Dr. Yusra Obeidat delivered a free workshop entitled as "Introduction to Internet of Things (IoT)" and organized by the Young Engineers Committee at the Jordanian Engineers Association. The workshop was conducted via the Microsoft Teams application and was attended by 60 engineers. She covered main information related to IOT starting with talking about the industrial revolution, detailed introduction about IOT, the benefits of IOT, the applications of IOT, advantages and disadvantages of IOT, the future of IOT, and she provided several activities for the audience to encourage them to participate in the workshop, and at the end of the workshop she answered their questions and opened the discussion. At the end, a free course was offered to Engineer Rakan Mohammad Bakr in appreciation of his active participation and correct answers.





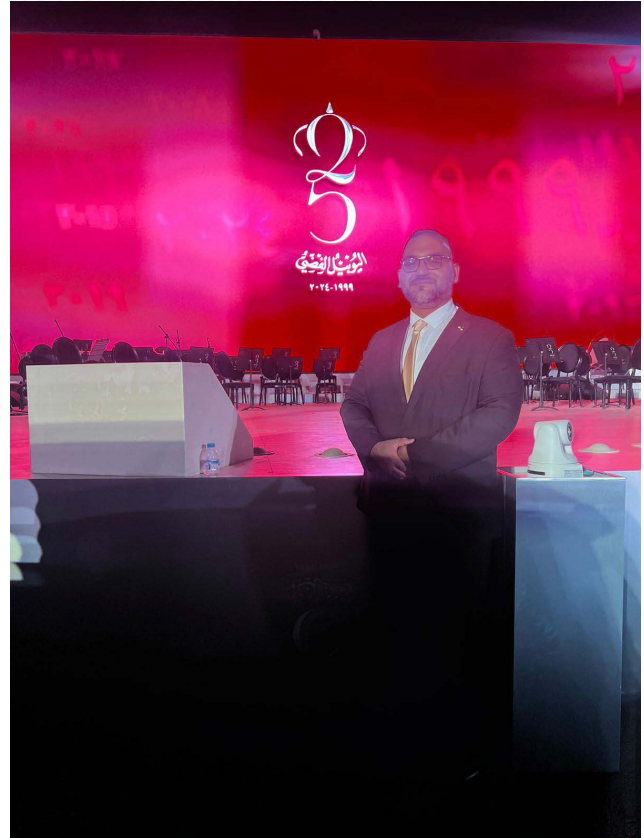
## Dr. Shehadeh from the Civil Engineering Department Takes Part in the Celebratory of the Silver Jubilee of His Majesty King Abdullah II Ibn Al Hussein

Dr. Ali Shehadeh from the Civil Engineering Department at Yarmouk University, recently took part in the celebratory events marking the Silver Jubilee of His Majesty King Abdullah II Ibn Al Hussein. This significant milestone commemorates 25 years since King Abdullah II ascended the throne, a period characterized by visionary leadership and significant advancements in Jordan's progress and stability.

Dr. Shehadeh expressed his pride and optimism for Jordan's future. The celebrations highlighted the King's commitment to reform and development, resonating with Dr. Shehadeh's own professional and personal commitments to positively contribute towards a sustainable future of Jordan.

The Silver Jubilee event was not just a reflection of the past but also a forward-looking celebration that anticipates continued growth and prosperity under King Abdullah's reign. Dr. Shehadeh, along with many prominent Jordanians, stood in

solidarity, honoring the strides Jordan has made and envisioning the path forward for a thriving nation.



## Dr. Obeidat from the Electronics Engineering Dept. Has Been Elevated to the Grade of IEEE Senior Member

Dr. Yusra Obeidat, an associate professor in the electronics engineering department has been elevated to the grade of IEEE senior member, IEEE senior membership is an honor bestowed only to those who have made significant contributions to the profession.



## Civil Engineering Department Project Finalist in the 11th National Technology Parade

A project titled "Development of Sustainable and Low-Cost Light-Emitting Concrete" from the Civil Engineering Department has made it to the finals of the 11th National Technology Parade at the University of Jordan. The innovative project, presented by students Bayan, Ragad, Bashar, Doha, and Mohammad, under the supervision of Dr. Faris Matakah involves a special type of concrete that absorbs sunlight during the day and emits light at night. The audience was highly impressed by the idea, noting its potential for future applications. This technology could be particularly beneficial in remote areas in Jordan where electricity is limited, providing a sustainable and low-cost lighting solution.



## YU ACI Chapter Attends the "Civil Engineers Networking Forum"

ACI student Chapter at Yarmouk University has attended the "Civil Engineers Networking Forum" which was organized by the Jordan Engineers Association. The forum featured workshops and productive sessions aimed at narrowing the gap between theoretical education and practical skills essential in today's engineers. Respected figures from the engineering sector and leading companies shared their insights on the dynamic field of civil engineering, contributing valuable perspectives to the discussions. The ACI Team has also met the Director of the American Concrete Institute in the MENA Region, Eng. Ahmad Mhanna.





## YU ACI Student Chapter Conductes a Guiding Workshop at Al-Balqa Applied University

The ACI Yarmouk University Student Chapter recently visited Al-Balqa Applied University to participate in the Civil Engineering Department's Scientific Day. This event was an excellent opportunity for the team to engage and share insights gained from their five years of dedicated experience with the new student chapter. During the event, the team, represented by their advisor Dr. Faris Matakah, conducted a comprehensive workshop titled "How to Apply for International Awards from the American Concrete Institute". This workshop was designed to provide detailed guidance and inspiration to the student chapter of the American Concrete Institute at Al-Balqa Applied University to help them understand the steps and strategies necessary to pursue and achieve recognition in the various international competitions and awards offered by ACI. By doing so, the workshop aimed to enhance the student's skills and increase their chances of success on a global stage.



## Dr. Shehadeh from the Civil Engineering Department and Expert Dr. Cotella recently Launched a Pioneering Research Initiative at the Irbid Refugee Camp

Dr. Ali Shehadeh from the Civil Engineering Department and expert Dr. Victoria Cotella recently launched a pioneering research initiative at the Irbid Refugee Camp. Their project aims to improve sustainable community management by integrating digital twins and the Water-Energy-Food-Environment (WEFE) Nexus. This approach is designed to address the specific challenges faced by the camp and enhance the overall quality of life for its residents.

During their comprehensive visit, the researchers engaged deeply with the community, discussing the potential benefits and applications of advanced digital technologies in managing resources more effectively. These insights were crucial in understanding the real-world impacts and opportunities presented by their innovative methods.

The collaboration extended beyond the camp as Dr. Shehadeh and Dr. Cotella visited several key

institutions to broaden the scope of their research. At the Irbid Greater Municipality, discussions centered on how digital twins could revolutionize urban planning and resource allocation. They also engaged with leading engineers at the Jordan Engineering Association to discuss sustainable practices in housing and infrastructure, particularly in the context of the Global South.

Their visit to Yarmouk University further enriched the dialogue, where Victoria Cotella shared her expertise with faculty and students, fostering an environment ripe for knowledge exchange and future collaborative research opportunities. The pair concluded their series of engagements at the Department of Engineering Projects of the GIM, reviewing ongoing projects that could benefit from the application of digital twins and the WEFE Nexus.





## Dr. Obeidat from the Electronics Engineering Department Represents Yarmouk University at the Second Regional Network in Energy for Women in the Middle East, and North Africa (RENEW MENA)

Dr. Yusra Obeidat, an Associate professor in the electronics engineering department, represented Yarmouk University at the second Regional Network in Energy for Women in the Middle East, and North Africa (RENEW MENA) conference from 2023- of May in St. Regis Hotel in Amman. RENEW MENA is a regional platform that aims to i) boost women's economic participation across the energy sector value chain, specifically in jobs related to the clean energy transition; ii) encourage better workplace conditions for women in both the private and public sectors, and iii) combat widespread gender stereotypes about women's role in STEM fields and increase their visibility in the energy sector.

This year's event was very successful and brought together the RENEW MENA community with the aim to inspire and be inspired through an exchange of knowledge, experiences, and practical know-

how around women's economic participation and leadership in the energy sector.

The event included: i) showcasing progress from RENEW MENA partners and discussing achievements, ii) strengthening regional commitment to sustained action and foster collaboration and partnerships within the network, and iv) exchanging global and regional experiences toward a more gender diverse. Dr. Yusra was part of the mentorship program as a mentor to provide ideas and guidance to help recruiting women who are in STEM field to work in energy sector.

the program of the conference concluded with a delightful trip to Ajloun Castel, the cable car, and a visit to solar energy projects in the region.



# Success Stories

## Students from the Electronics Engineering Department Win the Third Place in Eleventh National Technology Parade

Students from the Electronics Engineering Department, Suleiman Nusirat, Ibrahim Okour, and Ghassan Sawalha, participated in their project entitled "A Spider Robot for Alive Human Detection" under the supervision of Dr. Yusra Obeidat in the project competition organized by the University of Jordan as part of the activities of the eleventh National Technology Parade. They won the third place in the Public Safety, Security, and Defense Technologies track.



## Two Students Appointed Responsible for Social Communication in the Women in Engineering Society-Jordan Branch

Female students from Yarmouk University were appointed responsible for social communication in the Women in Engineering Society, Jordan Branch, WIE-Jordan Section, affiliated with the international organization IEEE. They are Tala Abu Rasaa and Nagham Sawalha, from the Department of Biomedical Systems and Informatics Engineering at the Hijjawi Faculty for Engineering Technology.

### IEEE Women in Engineering Jordan Section MEET OUR NEW SOCIAL MEDIA TEAM ABOUT ME

#### Tala Abu Rassaa is:

Currently a Third year biomedical engineering student at Hijjawi faculty of engineering and technology at Yarmouk University.

- member at IEEE
- Treasurer at WIE-YU Branch
- Social Media Officer at \*\*WIE-Jordan Section\*\*

She combines a background in biomedical engineering with a passion for digital communication. She aims to bridge the gap between science and society through engaging strategic online initiatives through sharing her experiences and skills to improve communication skills with others.



### IEEE Women in Engineering Jordan Section MEET OUR NEW SOCIAL MEDIA TEAM ABOUT ME

#### Nagham Nabeel Sawalha is a

•Dedicated student pursuing a degree in BioMedical Systems Engineering in Hijjawi faculty in Yarmouk University.

- Assistant at WIE-Yu branch.
  - Social Media officer at WIE-Jordan section.
- Have a passionate interest in the intersection of medicine and technology. She actively engages in academic and extracurricular pursuits to broaden her knowledge and skills.





## A Student Team from the Department of Industrial Engineering Win an International Award in the Field of Engineering and Technology

A student team from the Department of Industrial Engineering at the Hijjawi faculty for Engineering Technology at Yarmouk University won the Community Recognition Award in the annual international ICAMES competition, organized by the Turkish Bosphorus University in the field of engineering and technology.

The team, supervised by Dr. Ghazi Maqabalah, includes student Sarah Daabsa, student Fatima Arsan, and student Abdul Rahman Amsayi.

Dr. Maqabalah said that the victory in this competition came from the project titled "multi-tasking robot based on renewable energy," indicating that the project includes the design, development and manufacture of an industrial robot for multiple uses in industrial operations and maintenance operations in narrow and dangerous areas, so that this "robot" replaces humans. In areas that pose a danger to the lives of workers.

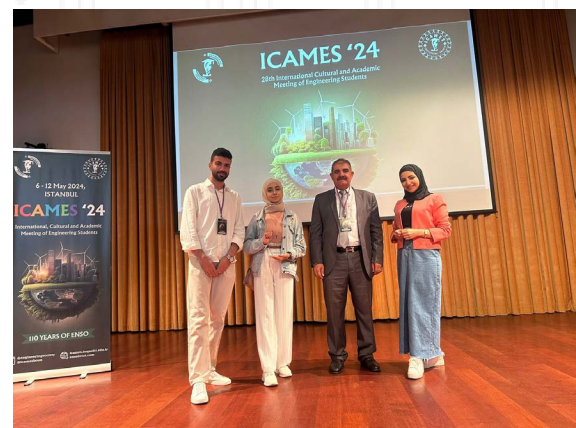
He added that this "robot" was equipped with several sensors for the purposes of detecting gases, fires, humidity, temperature and pressure, in addition to a camera for monitoring and tracking, and another smart one that uses artificial intelligence to distinguish objects, in addition to an arm to capture samples.

An interview indicated that the "robot" was also equipped with technology for choosing a self-path and detecting metals, in addition to the necessary energy through solar panels that automatically follow the sun's rays and supply the batteries with the energy necessary to manage and operate the robot, pointing out that the design also included a set of functions and more than 15 main ingredients.

What are the areas of use of robots? An interview confirmed that it can be used in various industries, especially gas pipelines, purification plants, oil and water pipelines, in addition to its use in various maintenance operations in factories and institutions.

He appreciated the interview with the project students and the amount of support and care that Yarmouk University gives to its students and researchers by motivating them and urging them to participate in various competitions and scientific events locally, regionally and internationally, by presenting applicable projects and ideas, in a way that reflects the university's philosophy and vision based on deepening scientific research and creativity in various fields.

It is noteworthy that this competition witnessed the participation of 15 student teams from 13 countries around the world.



## Students from the Electronics Engineering Department Win Second Place in the Competition for the Best Poster of Scientific Projects

Students from the Electronics Engineering Department, Suleiman Nusirat, Ibrahim Okour, and Ghassan Sawalha, participated in their project entitled "A Spider Robot for Alive Human Detection" under the supervision of Dr. Yusra Obeidat in the projects Exhibition organized by the Deanship of Scientific Research and Graduate Studies. They won second place in the competition for the best poster of scientific projects.



## Students from Hijjawi Faculty for Engineering Technology Discuss Progress of their Project at JODDB

Students Mohammad Gharaibeh and Lina Al-Qura'n from the Electronics Engineering Department, Omar Ahmed from the Computer Engineering Department, and Lama Alkhateeb from the Communications Engineering Department discussed the first progress report of the project "A Smart Helmet for Military Purposes," supervised by Dr. Yusra Obeidat, an associate professor in the Electronics Engineering Department, in the Jordan Design and Development Bureau (JODDB) located in the University of Jordan. And they were honored in the Scientific day of Hijjawi Faculty for Engineering Technology by the event's Patron and the University president for their achievement of receiving a money grant from the King Abdullah II Fund for Development to support their project.





### Student Qusai Mashriqi Participates as Keynote Speaker at NextGen Event in Egypt

Qusai Mashriqi, a student at the Computer Engineering Department at Yarmouk University, participated as a keynote speaker at the NextGen event which was held in Egypt. Qusai shared insights on maximizing the benefits of the IEEE experience.

Qusai's passion for technology and community service shines his remarkable journey with IEEE. He is the Chairman of IEEE Computer Society Yarmouk University Student Chapter, winning the IEEE R8 Student Branch Chapter of the Year Award for 2023, DVP/ACA Student Representative for IEEE Computer Society in 2024, and the Agenda Coordinator for the IEEE R8 Computer Society SYP Congress 2024.



### Student Mumen Bni Melhim Wins Second Place in the Arab Technical Group (ATG) Competition in Sustainable Energy

Student Mumen Bni Melhim participated in the Solar Innovators Challenge, organized by the Jordan Engineers Association. The competition provided intensive training in photovoltaic systems. Student Mumen Bni Melhim secured second place among Arab Technical Group (ATG) competitors. This experience was a crucial milestone in my sustainable energy career, enhancing my skills and opening new opportunities for innovation.



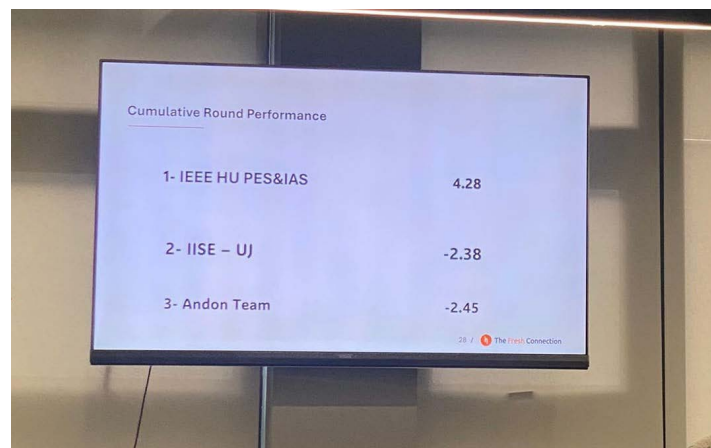
## A Student Team from The Industrial Engineering Department Wins the Third Place in the Supply Chain Simulation Hackathon

A student team from the Department of Industrial Engineering at the Hijjawi Faculty for Engineering Technology at Yarmouk University came in third place in the Supply Chain Hackathon Competition, organized by “Makad International” Company, as part of its efforts to promote innovation and raise investment return rates.

The competition, which was organized in the capital, Amman, under the supervision of the company’s CEO, Samer Al-Madhoun, with the participation of a group of student teams from various Jordanian universities, included a competition between the participating teams to devise solutions that would enhance the rates of return on investment for a juice company by finding a solution to the problem of the company’s return on investment ratio.

The student team from the Industrial Engineering Department, which includes students: Marah Hammouri, Ammar Al-Saleh, student Fadi Younis, and student Sira Al-Omari, was able to achieve third place in this competition.

It is noteworthy that organizing this competition came out of Jordanian companies’ efforts to enhance innovation and raise the level of performance, and to encourage ambitious youth to participate in such competitions that enhance expertise and provide innovative solutions to current challenges in the field of supply chains.





## Students and Faculty Awards in the Past Four Years

1. **Best Student Branch in Europe, Africa and the Middle East: IEEE Computer Society (CS) YU Student Branch:**

Supervisor: Dr. Manal AL-Bzour

Students: Qusai AlMashriqi, Yara Shalabi, Etab Obeidat and Tala AlQudah

2. **First place in the Competition of the Artificial Intelligence Applications Conference of the Deanship of Scientific Research and Graduate Studies, Yarmouk University 2023**

Supervisor: Dr. Manal Al-Bzour

Students: Baraa Raed Al-Atiwi and Mohammed Abu Darbiya

3. **Best Student Branch in Africa and the Middle East: IEEE Engineering Society in Medicine and Biology (EEMBS) YU Student Branch:**

Supervisor: Dr. Ateka Khader and Dr. Hiam Al-Quran

Students: Yanal Omar, Mohamed Yasser, Faris Moqbel, and Bushra Qaqish

4. **Second place in the Competition for the Best Graduation Project on the Scientific Day of the Deanship of Scientific Research and Graduate Studies 2023**

Supervisor: Dr. Ateka Khader

Students: Sarah Mustafa Al-Samadi, Mariam Al-Omari, Ghaida Majid Badarneh, and Sajida Aktham Zaben

5. **Second place in the Arab Olympiad for Artificial Intelligence - Programming Track**

Students: Yara Chalabi and Etab Obeidat

6. **Third place in the Arab Olympiad for Artificial Intelligence - Programming Track**

Student: Qusai Al-Mashriqi

7. **First place in the Arab Olympiad for Artificial Intelligence - Algorithms and Mathematics Track**

Student: Mala' Mansour

8. **Third place in the Arab Olympiad for Artificial Intelligence - Embedded Systems Track**

Students: Nouran Al-Saqer and Sameh Sukkar

9. **Fourth place in the Arab Olympiad for Artificial Intelligence - Computer Vision Track**

Students: Afnan Al-Saqer and Hassan Abu Siris

**10. First place in Hakathon Environmental Innovations at Yarmouk University**

Students: Tala Jaber and Aya Al-Saghir

**11. Second place in Hakathon Environmental Innovations at Yarmouk University**

Students: Rashid Samirat and Eva Fleihat

**12. Third Place in Hackathon Environmental Innovations at Yarmouk University**

Students: Abdullah Naamneh, Ahmed Shehab and Moamen Al-Jamal

**13. First place in the Firefighting Robot's Competition**

Supervisor: Dr. Musab Abu Al-Adous

Students: Magdy Al-Manaseer, Mohamed Ashour, Hossam Al-Momani and Ahmed Al-Momani

**14. Second Place in the Competition Smart Leaders Organized by the Crown Prince Foundation in Cooperation with Ezzat Marji Company**

Supervisor Dr. Ayman Zeit

Students: Hadeel Issa Al-Araj, Sarah Bani Atta, Aseel Al-Hanafi and Juman Al-Mansi

**15. Third place in the Tamayouz Competition for Graduation Projects 2023**

Supervisor Prof. Dr. Zaid Bataineh and Dr. Idris Al-Kofahi

Students: Duha Kazan, Shahd Sharara and Maram Samer

**16. Project Nominated to Participate in the National Technology Festival 2024**

Supervisor Prof. Dr. Zaid Albataineh

Students: Abdullah Mohammed Naamneh, Lian Jihad Al-Zu'bi, Waad Iyad Al-Jamal and Heba Saeed Barghout

**17. Third place in Supply Chain Simulation Hackathon**

Students: Marah Hammouri, Ammar Al-Saleh, Fadi Younis and Sura Al-Omari

**18. Project Nominated to Participate in the SOFEX Military Exhibition 2022**

Supervisor Engineer Mamoun Tantawi

Students: Mohammed Fayyad and Mohammed Jawabreh



**19. Received Support for the Graduation Project from the King Abdullah II Fund for Development 2023**

Supervisor: Dr. Yusra Obeidat

Students: Omar Khatatbeh, Lama Al-Khatib, Lina Al-Quran and Mohammed Al-Gharaibeh

**20. Third Place in the Eleventh National Technology Festival in the track of Public Safety, Security and Defense Technology**

Supervisor: Dr. Yusra Obeidat

Students: Suleiman Nuseirat, Ibrahim Al-Akour and Ghassan Sawalha

**21. Second Place in the Competition for the Best Poster on the Scientific Day of the Deanship of Scientific Research and Graduate Studies 2024**

Supervisor: Dr. Yusra Obeidat

Students: Suleiman Nusairat - Ibrahim Al-Akour - Ghassan Sawalha

**22. Project Nominated to Participate in the SOFEX Military Exhibition 2022**

Supervisor: Dr. Yousra Obeidat

Students: Eyas Abu Mousa and Razan Mashaalji

**23. Project Nominated to Participate in the SOFEX Military Exhibition 2022**

Supervisor: Dr. Sherif Abdel Razzaq

Students: Salsabeel Hussainat, Sarah Momani and Noor Naseer

**24. Received Support for the Graduation Project from the King Abdullah II Fund for Development 2023**

Supervisor Dr. Sherif Abdel Razzaq

Students: Hossam El-Din Selim, Afnan Al-Saqer and Mohamed Salim

**25. The Best Graduation Project on the Scientific Day of the Deanship of Scientific Research and Graduate Studies 2022**

Supervisor: Dr. Sherif Abdel Razzaq

Students: Ellen Ammari, Samar Malkawi, Fatima Al Yousef and Amal Al Rabaa

**26. Project Nominated to Participate in the National Technology Festival 2024**

Supervisor: Dr. Sherif Abdel Razek

Students: Ghaith Al-Sudi and Amna Abu Alwafa

**27. Project Nominated to Participate in the National Technology Festival 2024**

Supervisor: Dr. Mahmoud Masadeh

Student: Obada Hamdan

**28. Project Nominated to Participate in the National Technology Festival 2024**

Supervisor: Dr. Fares Matalqa

Students: Yasar Al-Azzam, Bayan Zeit, Raghad, Taliba, Mohammed Al-Tamimi and Duha Al-Shannaq

**29. American Concrete Institute (ACI) YU Student Branch: Distinguished Student Branch Award for the Years 2022 and 2023****30. First place in the Annual Hakeem Academy Competition in its Eighth Edition**

Supervisor: Engineer Sami Al-Mashaqbeh

Students: Ahmed Mousa Al-Sweiti and Khaled Waleed Al-Afalqa

**31. The Best Graduation Project on the Scientific Day of the Deanship of Scientific Research and Graduate Studies 2022**

Supervisor: Engineer Sami Mashaqba

Students: Israa Al-Satri - Bayan Al-Darawsheh and Ayat Al-Sharia

**32. First place in the Entrepreneurship Hackathon Competition at the Jordan University of Science and Technology**

Students: Ahmed Shehab, Sarah Al-Husban and Al-Harith Mahmoud

**33. Third place in the Entrepreneurship Hackathon Competition at the Jordan University of Science and Technology**

Students: Abdullah Naamneh, Mohammed Al-Odat and Lamees Rawashdeh

**34. First place in the Firefighter Contest**

Student: Magdi Al-Manaseer

**35. Receiving the Best Entrepreneurship Week Event and Ambassador Award for 2022**

Student Qusai Fouad Mashriqi



**36. Third Place in the NASA Space App Competition -- Jordan**

Students: Anas Amrat - Iman Al-Obetha - Hazem Shatnawi - Firas Al-Momani - Dima Al-Hussein - Saja Zureikat

**37. Community Recognition Award In a ICAMES Contest Organized by the Turkish Bosphorus University in the Track of Engineering and Technology**

Supervisor Dr. Ghazi Magableh

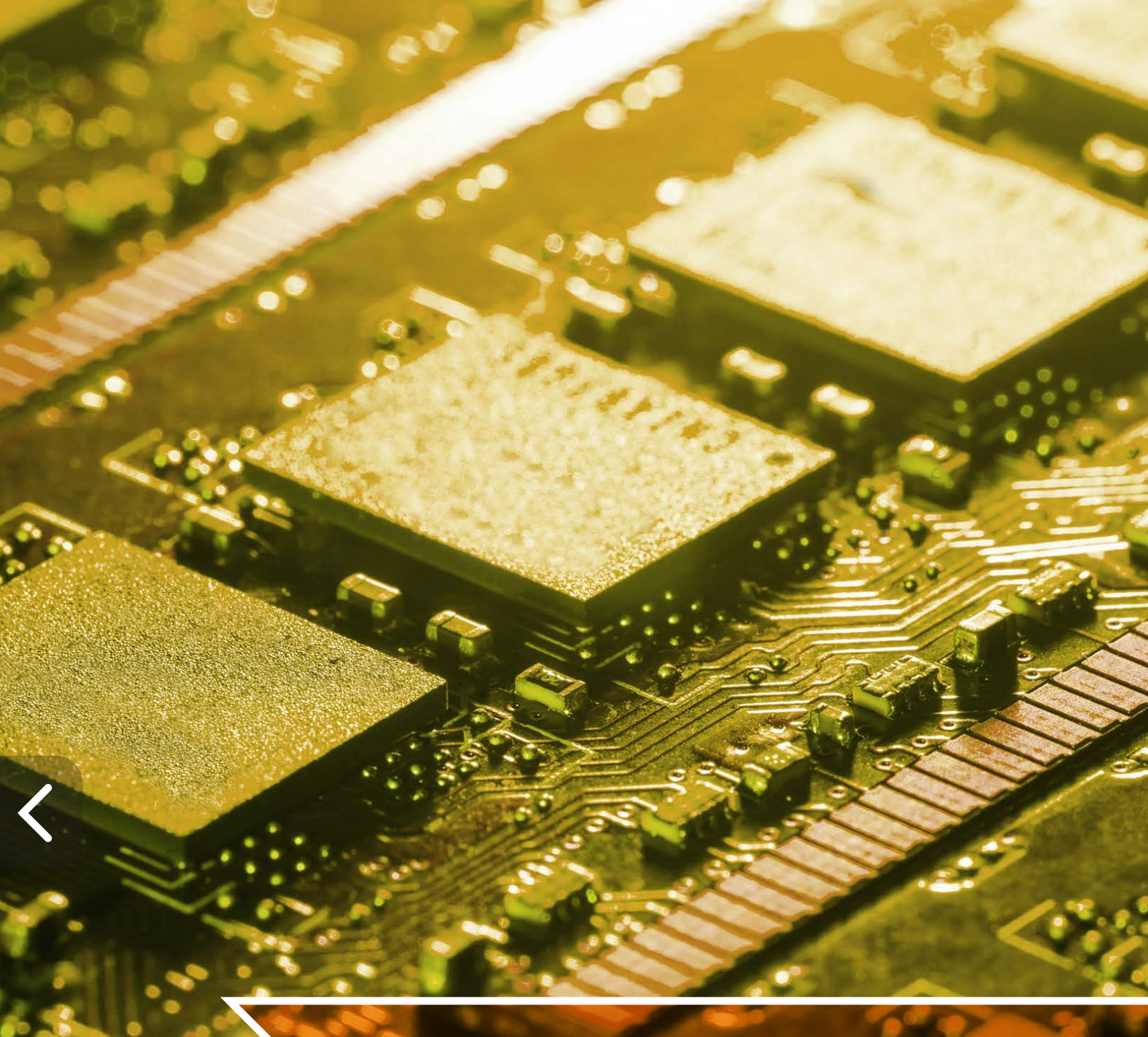
Students: Sarah Daabsa, Fatima Arsan and Abdul Rahman Amsei

**38. First Place in the Jordan Engineers Association Comptetion / Mechanical Engineering Track**

Supervisor: Dr. Ghazi Magableh

Students: Joud Suleiman, Mazen Al-Zubaidi, Shatha Al-Awawda and Musab Al-Ahmad





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