



**Yarmouk University**

Hijjawi Faculty for Engineering Technology

# Hijjawi Faculty Newsletter

Special Issue | June 1<sup>st</sup> 2023

نفر بالبحرين

CELEBRATING AL HUSSEIN

01-06-23



# 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.E.T / 5 M.S.**)*



***More than 26,000**  
**Engineering Graduates***



***125**  
**Academic Staff***



***73 Admin Staff & Lab**  
**Engineer***

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# Dean's Message



I'm delighted to welcome you to the second issue of the Hijjawi Faculty for Engineering Technology Newsletter in 2023, in which we attempt to portray the Faculty through the eyes of its students, faculty members, and management personnel. Here in this welcome message, I try to present what we have achieved in the second quarter of this year 2023, and I briefly touch on my action plan for the next quarters of this year.

This issue is very special as it celebrates the wedding of His Royal Highness, the Crown Prince. So, we start this issue with a featured article for President Massad, in which he describes the great efforts spent by HRH the Crown Prince to support youth in Jordan, specifically, and world-wide, at large.

We then hear from our students about this occasion. One representative student from each department sends congratulations to HRH the Crown Prince on behalf of his/her classmates.

Again, the Faculty was able to conduct more than

fifty 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 we receive from the top management in the university.

We continued our great efforts to get the ABET accreditations for all ten bachelor programs. We will shortly submit the SSR for the seventh program, which is the Electrical Power Engineering.

Early this year, we have received the approval to establish new programs in the Faculty, namely, Bachelor in Computer Engineering/Internet of Things and Masters in Biomedical Systems and Informatics Engineering. We will continue this pattern of replacing our academic programs with up-to-date programs.

We continue our efforts to update our curriculum, to include up-to-date technologies and state-of-the-art knowledge -- to make it more appealing to the labor market needs. We also plan to restructure our study plans to include dual studies, tracks of technical skills, etc.

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

**Finally, on behalf of Hijjawi Faculty for Engineering Technology, I extend my congratulations for His Majesty King Abdullah II and Her Majesty Queen Rania Al-Abdullah, in the occasion of HRH the Crown Prince's wedding.**

**#نفرج\_بالحسين**

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



# Featured Article

## Advocacy of HRH Crown Prince Al-Hussein bin Abdullah II for Youth



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

**In the occasion of HRH the Crown Prince Al-Hussein bin Abdullah II's wedding**, which will occur in June 1st, I'm delighted to share my thoughts about HRH's advocacy for youth, shedding more light on youth in the higher education.

And I'd like to start my article with a quotation from HRH the Crown Prince at the Global Forum on Youth, Peace and Security: "Youth are the future"—this perhaps one of the most frequently cited statements on how to affect the future through shaping its generations, and part of the discourse of heads of states, politicians and political parties."

HRH Crown Prince Al-Hussein Bin Abdullah II is committed to building a bright future for Jordan's youth by inspiring and driving their engagement to improve community wellbeing, as well as leadership, entrepreneurship, technical and vocational education, innovation and socioeconomic

opportunities. The impact of the Crown Prince Foundation's (CPF) initiatives extends throughout the Kingdom's governorates and affirms His belief that youth can excel if given the proper skills and means to become active citizens within their communities.

CPF was established in 2015 with a vision of "Capable youth for an aspiring Jordan." CPF has an underlying strategy to advocate for mainstreaming youth in all national development efforts with focus on three foundational areas: Employability & Entrepreneurship, Citizenship, and Leadership. CPF aims to drive growth with a "youth" centric lens, resulting in a young nation with responsible, engaged, productive and thriving youth. CPF's approach includes a journey addressing the participants' capacity requirements, to enable youth who are self-driven to create their own opportunities for better livelihoods and income mobility. The values of CPF focus on being innovative, inclusive, positive and ethical.

HRH the Crown Prince has launched many important initiatives through the CPF, which aim to offer youth the chance to take part in building and developing our beloved country. Most notable initiatives, where students at Yarmouk University demonstrate a very active participation, are:

### **Haqiq initiative (حقيق)**

Haqiq is a youth leadership initiative established with the aim of promoting a system of values inherited from our history among youth in Jordan, and highlighting their capacity to be active citizens, while fostering a sense of belonging to their country to become contributors to the development process of the Kingdom.

Haqiq focuses on developing young people's life, personal, leadership, and social skills in a manner that fosters belonging, loyalty, and active citizenship. It also promotes volunteerism in a way that serves the needs of Jordanian society.

### **Nahno (نحن)**

Nahno initiative aims to unify volunteerism and youth engagement efforts at all levels and connect volunteers with volunteering opportunities at various entities. The platform is the first of its kind, was founded to bring about positive change through a platform that links volunteers from different governorates, qualifications, and age groups with volunteering opportunities at civil society organizations, the public sector, and the private sector.

### **Ana Usharek and Usharek+**

It is implemented through 13 universities across Jordan to enhance university students' capabilities and knowledge in the basic principles of democracy and advocacy through training and participatory dialogue sessions.

Once the students have fulfilled all the requirements of the Program, they can enroll in the Usharek + Program at the beginning of the next academic year, which aims to build university students' leadership and advocacy skills through working on an advocacy campaign targeting an issue of their choice. So, students learn to identify and provide solutions for pressing issues in Jordan, how to conduct advocacy campaigns and gain support for their cause, and how to build an effective online and social media presence for their cause via online and social media portals.

### **TechWorks (مصنع الأفكار)**

TechWorks is a digital fabrication lab with state-of-

the-art equipment that aims to support innovations and young Jordanian innovators. It works towards promoting technical learning and strengthening Jordan's innovation eco-system by bringing together young people and ideas. TechWorks also brings together researchers, students, and innovators allowing them to create prototypes for their products by utilizing advanced digital fabrication technologies.

### **"ض"**

It aims at preserving the Arabic language by empowering young people with the latest technologies to highlight Arabic language's beauty and spread it, through embedding it within the Fourth Industrial Revolution, which is based on the digital revolution and the fields that fall under it, such as artificial intelligence, robotics, and the Internet of Things (IoT).

### **One Million Jordanian Coders**

The One Million Jordanian Coders Initiative is an online platform that aims to enhance the capacities of Jordanian youth to match the demands of the labor market by providing the language of the present: programming. In addition, the initiative offers free of charge training and issues international certificates that qualify the youth to enter the sector.

### **Hussein Fellowship Program**

The Hussein Fellowship Program (HFP) is a pioneering national program with a progressive vision and a new model for promoting leadership among young men and women and integrating them within professional political, economic, and social networks. HFP aims to invest in carefully selected young men and women who can positively influence and contribute to the development process at the macro level and in their communities.

### Al-Hussein Technical University (HTU)

HTU is a non-profit private university established to enhance technical education and provide the labor market with qualified youth trained in technical disciplines by adapting to the latest dynamics, developments, and requirements of the labor market. The education provided by HTU is centered around the four academic fields of science, technology, engineering, and math (STEM). This is to be accomplished by offering high quality in demand programs certified by both local and international certification frameworks and institutions. The programs offered are done so in close collaboration with the private sector to ensure the relevance of its offerings and thereby increase the employability of its graduates.

In April 2015, HRH the Crown Prince presided over the United Nations Security Council's open debate on the role of youth in countering violent extremism and promoting peace, making him the youngest person ever to chair a meeting at the Security Council. As a result and under the guidance and direction of HRH, Jordan hosted the first Global Forum on Youth, Peace and Security in August 2015, which presented the Amman Youth Declaration. In December of 2015, these efforts were crowned by the United Nations Security Council's adoption of Resolution 2250 on Youth, Peace and Security; the first of its kind, which calls for mechanisms that would enable youth to participate meaningfully in peace processes and dispute resolution echoing the calls from the Amman Youth Declaration.

The Crown Prince is also interested in Higher Education and providing education that meets the needs of the youth, who are a vital labor force, as well as the needs of the private sector industries of the country and the region.

Marking the country with vibrancy, the Crown Prince has followed His Majesty King Abdullah's footsteps and is becoming a man among his people. He visits different Jordanian entities, both governmental and non-governmental, to actively listen to their

needs and ideas for creating a better country. In this way, HRH Crown Prince Al Hussein institutes His Majesty's vision of inclusiveness and participation in the creation of a brighter future.

His Royal Highness has made the future of Jordan's youth, their engagement in society, education and economic opportunity his primary concerns. His belief that youth can excel if given the proper tools and means is evident in his initiatives, programs and visits. HRH advocates for a generation of youth, which is committed to community service and volunteerism.

The Crown Prince is also interested in Higher Education and providing education that meets the needs of the youth, who are a vital labor force, as well as the needs of the private sector industries of the country and the region.

Marking the country with vibrancy, the Crown Prince has followed His Majesty King Abdullah II's footsteps and is becoming a man among his people. He visits different Jordanian entities, both governmental and non-governmental, to actively listen to their needs and ideas for creating a better country. In this way, HRH Crown Prince Al Hussein institutes His Majesty's vision of inclusiveness and participation in the creation of a brighter future.

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**On behalf of Yarmouk University family, I'm honored to congratulate His Majesty King Abdullah II and Her Majesty Queen Rania Al-Abdullah, in the occasion of HRH the Crown Prince's wedding. We wish HRH the Crown Prince all the best in His life and in His future endeavors.**

**نفرح بالحسين**

# Students' Congratulations Messages

## ■ Razan Omar Sulieman Al-Ali- Architectural Engineering



On June 1st, HRH Prince Al Hussein bin Abdullah II will marry his fiancée, the virtuous Miss Rajwa Al Saif, in Amman.

Prince Al-Hussein is desendent of Prophet Muhammad bin Abdullah, may the best blessings be upon him. Prince Al-Hussein was brought up on this heritage in a house that provided him with knowledge and politeness in dealing, and promised him a spirit of competition, reading, open thinking, and a mind that yearns for knowledge.

His father, whose upbringing was dominated by military spirit and discipline, a penchant for adventure and challenge, and his unbridled desire to learn, implanted that spirit in his son, who rose to the throne after him, mighty by mighty. The throne in Jordan is not always a seat strewn with roses, but rather it requires a man who is solid in his will, flexible in his thought, and insightful in his insight. And security. This was the grandfather of the late, great late Prince Hussein bin Talal, and before him his grandfather, the founding king Abdullah I.

As for his mother, Her Majesty Queen Rania Al Abdullah, who is smart, hardworking, outspoken and well-spoken. She excelled in her high school studies, outperformed her colleagues in university studies, and excelled in her work after graduation, until she met her soul mate, Prince Abdullah bin Al-Hussein, so he married her. They treat everyone they meet with great Hashemite morals.

Whoever these two are his parents, and that is his soul and aspiration, deserves that we rejoice for him and rejoice on his wedding day, losing to the Lord to protect him. As for his upcoming bride, Princess Rajwa Al-Hussein, she is of high moral character, honorable lineage, and a house of glory and generosity. Therefore, she will be the best companion and consort for the prince, her husband, and the next king of Jordan after a long life for his father, King Abdullah II.

We in Jordan do not rejoice or rejoice only because it is the marriage of the Crown Prince, but because we know that Prince Hussein will be the ruler and leader of the fifth kingdom, and after him his son Abdullah III will be the title of the sixth kingdom. And so on caper caper. And the stability of the Hashemite throne means that Jordan will enjoy a sympathetic and generous Hashemite rule, adhering to the morals of the Messenger Muhammad bin Abdullah, the master of creation.

We hope that the prince's wedding day will be an occasion celebrated for the whole life, and that the two princes, the grooms, will be blessed with children and grandchildren, and that God will extend their lives, and that they win the love of God and people, and that they live in the bosom of the righteous Hashem family as an asset and support.



## ■ Fatma Alzamel - Biomedical Systems and Informatics Engineering



We extend from His Majesty King Abdullah II bin Al Hussein, Her Majesty Queen Rania Al Abdullah and His Highness the Crown Prince Al Hussein bin Abdullah, the greatest verses of congratulations and blessings on the occasion of the marriage of His Highness Prince Al Hussein bin Abdullah, the Crown Prince, to her chastity, Miss Rajwa Al Saif.

On this honorable occasion, we implore the Almighty God to bless them, and to protect His Royal Highness, the Crown Prince, and to perpetuate happiness, contentment, and success for His Highness, the honorable Hashemite family, and the great Jordanian family under the shadow of the Hashemite banner, the master of the country and dean of the family of the House, His Majesty King Abdullah II bin Al Hussein.

## ■ Saif Al-Deen Hassonah - Communication Engineering



With hearts overflowing with love, the Hashemite royal family shares the happiness of their son's wedding. We live today a national ceremony which has us, people of all ethnicities from every inch of this land, united on the love of our dear Crown Prince, Al-Hussein, who was and still is walking down his father's path, his Majesty King Abdullah II, as a supporter of youth, carrier of our message and a role model for us all.

On the joyous day, the first of June, we shall witness the matrimony of our crown prince alongside his significant other, Ms. Rajwa Al-Saif.

In this wonderful occasion we will hold close to our hearts and keep engraved in our memories, I, Saif Al-Deen Hassonah and on behalf of the Telecommunications Engineering department, send our kindest regards and congratulations to the royal family, wishing them and this nation everlasting happiness and peace.

### ■ Yasmeen Ibrahim- Computer Engineering



We witness today the matrimony of Jordan's precious son and prince, who has always been the youth's biggest support system and guardian. He set his sights on the rise of our country via its youth and launched initiative after initiative for his people in order to preserve this national human treasure. So, it is my greatest pleasure, Yasmeen Ibrahim from the Computer Engineering department in Hijjawi Faculty For Engineering Technology, and my department as a whole, to present our sweetest congratulations and blessings to his royal highness, the crown prince of this land, Prince Hussein bin Abdullah, on the occasion of his wedding which is to take place on the first of June, pairing our congratulations with heartfelt wishes and prayers for both the bride and groom as well as their families.

May Allah bestow all blessings upon them and fill their lives with peace and love.

### ■ Al-Tayeb Reziq Jaber Abukashef- Industrial Engineering



HRH The Crown Prince, who has launched a number of initiatives dedicated to social, educational, and cultural issues, also plays a significant part in assisting Jordan's humanitarian and development efforts. Additionally, he supports entrepreneurship in Jordan and advances technology and innovation.

The wedding of His Highness Prince Hussein bin Abdullah II to Miss Rajwa Al-Saif, which will take place on the first of June 2023 AD, is the main cause for celebration in Jordan. The Department of Industrial Engineering at Hijjawi Faculty for Engineering Technology therefore sends the royal family its warmest congratulations and blessings, as well as wishes them a lifetime of happiness.

## ■ Ahmad Maher Shehab, Civil Engineering



We have long seen the wonderful works of His Highness Crown Prince Al Hussein bin Abdullah II in the field of voluntary work and the pursuit of developing joint work through many initiatives in various fields on the basis of the Crown Prince Foundation, which contributed greatly to the production of young leaders in Jordanian society, and this in turn enhances Making personalities that build homelands, spread hope in society, and always strive to participate in public life.

Recently, I was honored to participate in some of the activities of the Crown Prince Foundation through a communication forum, accompanied by a group of students from Hijjawi Faculty for Engineering Technology, where the atmosphere was full of optimism and hope, which were reinforced by effective communication and dialogue.

On behalf of all civil engineering students, we congratulate His Majesty King Abdullah II Ibn Al-Hussein, Her Majesty Queen Rania Al-Abdullah, and His Highness Crown Prince Al-Hussein Bin Abdullah II on the occasion of his wedding to Ms. Rajwa Al-Saif. This joy is the joy of all Jordanians, and all the Jordanian homes.

## ■ Naeem Wasfi Abdulkareem Mahafzah - Electrical Power Engineering



Praise be to Allah the Lord of the worlds and may the blessings and peace of Allah be upon the most honored of messengers our master Muhammad and upon all his family and companion. Jordan awaits an occasion dear to our hearts, an occasion of joy and happiness, an occasion that warms the heart. An occasion of joy of all the sons and daughters of our dear country, which is the wedding of the Prince of Hearts, our dear beloved, His Highness Prince Al-Hussein bin Abdullah. On this occasion that is dear to our hearts, the Jordanian people extend their joy to the whole world. Jordan, with its cities and villages, is adorned with happiness and joy, with folk songs and dances, with flags flying high in the sky of dear Jordan, with the joy of our beloved Prince, the Prince of Youth.

May God bless all of us in this national wedding and bless His Majesty King Abdullah II bin Al Hussein and Her Majesty Queen Rania Al Abdullah, Queen of Hearts. May God, complete our joy under His Majesty, the beloved King Abdullah II Bin Al-Hussein.

## ■ Abdullah Mohammed Na'amneh- Electronics Engineering



Warmest congratulations and best wishes to His Royal Highness Crown Prince Hussein bin Abdullah II.

I am honored, on behalf of myself and my colleagues from the Electronics Engineering Department at Al-Hijawi Faculty for Engineering Technology/ Yarmouk University, to extend our warmest congratulations and best wishes to His Royal Highness Crown Prince Hussein bin Abdullah II on the occasion of his joyful wedding.

We feel immense joy and pride in the noble character possessed by His Royal Highness, and we wish him and his bride eternal happiness and prosperity in their shared life.

The marriage of His Royal Highness Crown Prince Hussein is a cherished occasion for every Jordanian household. It strengthens the unity of the Jordanian family and reflects the spirit of dedication and sacrifice that His Royal Highness possesses in serving his country and his brothers.

We are confident that His Royal Highness Crown Prince Hussein and his bride Rajwah Al-Saif will continue to be exemplary in their dedication and contributions. We wish them a married life filled with love, understanding, and success, and may His Royal Highness remain a beacon of hope for the ambitious Jordanian youth.

Congratulations and best wishes for a married life filled with happiness and contentment.



## ■ Marwan Mustafa Al-Zboon - Mechanical Engineering



Congratulations to His Highness Crown Prince Hussein bin Abdullah II on his wedding in Jordan's Hashemite Kingdom! This is a historic time for the Crown Prince and his family, as well as for Jordanians and the region. We are thrilled to be a part of this joyful event and to witness the marriage of two remarkable people.

The Crown Prince has always been a source of inspiration and optimism for Jordanians, and his wedding demonstrates his steadfast dedication to his country and people. He inherited a tradition of duty and sacrifice as a member of the Hashemite family, and he has lived up to that legacy with elegance and dignity.

We are convinced that His Highness and his bride will continue to inspire and lead the Jordanian people with wisdom and compassion, and that they will work diligently to achieve Middle Eastern peace, stability, and prosperity. We wish them both a lifetime of happiness and prosperity and ask God to bless them with health, riches, and abundance.

The wedding of Crown Prince Hussein bin Abdullah II is a source of tremendous pride and joy for Jordanians, and it serves as a reminder of our country's strength and perseverance. We are honored to be a part of this historic occasion, and we look forward to Jordan and its people having a great and prosperous future.

As we commemorate this wonderful occasion, we would want to thank the Crown Prince and his family for their unshakable dedication to Jordan and its people. We are happy to stand beside them as they work to create a brighter future for all Jordanians, and we look forward to many more years of peace, prosperity, and progress.

# Faculty News

## Hijjawi Faculty for Engineering Technology Hosts a Workshop on Occupational Safety Engineering and Workplace Hazards

Hijjawi faculty for Engineering Technology Hosted a workshop on occupational safety and workplace hazards and the future of occupational safety and health on April 4, 2023. The workshop was delivered by the occupational safety and health Institute-Irbid branch. The workshop started by an introduction about the occupational safety and health Institute and their certifications and the services they provide for the workplaces in issues related to occupational safety and health. The workshop then included introductory information about safety and occupational health and the requirements towards having a safe working environment. The workshop also included a definition of all workplace hazards and their different mitigation approaches. Discussions were also held to differentiate between the different terms such as hazards, risk, risk index, accidents, incidents and others. The workshop also included information about how to evaluate workplaces for potential hazards and the different types of controls required to ensure having a safe working environment. Moreover, the future of occupational safety and health was discussed and impact of the technological changes on the field were deliberated. A discussion session was held at the end of the workshop to answer any questions or inquiries about the different discussed topics and students and faculty members expressed their thankfulness for the workshop.



## Department of Civil Engineering in Hijjawi Faculty for Engineering Technology Holds a Workshop for “University Achievement Exam”

The committee of the University Achievement Exam at the department of civil engineering with the help of the department head, accomplished an extensive awareness program to enhance the performance of the CE students in the university achievement exam for the year 2023 cycle. The program consisted of several activities that included the following: 1) General meeting with the CE students was carried out on May 8, 2023 at Wisam Bushanq Hall. During this meeting, Dr. Faisal Shalabi, the head of the committee, presented the rules, instructions, and general guidelines related to the achievement exam. At the end of the meeting, the committee and department head answered the students' questions. 2) On May 13, 2023 the students sat for a trial online exam. In this exam, students answered 30 MC questions in 60 minutes. The trial exam imitated the official one in terms of the format and content, and provided the students with a good practical experience. 3) During the time period 14/2023/5/17-, the committee members executed with the students a face to face material review program. In this program, special lectures were organized to review and discuss with the students the basic knowledge that covers all the civil engineering disciplines, namely: Structural, Geotechnical, Transportation, Construction Management, and Water & Environmental Engineering. The CE staff and students feel that organizing these kinds of activates are useful and expected to provide students with the needed skills and support that enhance their performance in the achievement exam. At the end, the committee would like to thank the CE department head, dean of engineering, and university president for their continuous support.





### Department of Biomedical Systems and Informatics Engineering Holds Pilot Qualification Exam

According to instructions from Prof. Massad, President of Yarmouk University, the Biomedical and Informatics Engineering Department developed a qualification exam that mimics the AQACHEI qualification exam in order to thoroughly prepare students for success in obtaining the top grade among departments of a like kind at other universities. The test was thorough, comprehensive, and beneficial to the pupils.



### Department of Biomedical Systems and Informatics Engineering Visits Irbid Specialty Hospital



A group of students from the Department of Biomedical Systems and Informatics Engineering visited the Radiology Department at Irbid Specialty Hospital in order to have a practical insight into the composition, operation and clinical applications of Magnetic Resonance Imaging (MRI). The visit was supervised by Dr. Ihssan S. Masad and Eng. Alaa Al-Badarneh.

During the visit, Eng. Ihssan Jardat, the head of the Biomedical Engineering Department at the hospital, accompanied the students in a tour to different imaging modalities in the Radiology Department such as x-ray radiography, Computed Tomography (CT), Fluoroscopy, and MRI. The students were provided with an overview of MRI principles, acquisition parameters and components during the acquisition of a real examination.

In addition, students observed part of the installation process of a new 1.5-T MRI scanner at the hospital and listened to a detailed description by Eng. Mohammed Hassan, an MRI expert engineer from Experia Healthcare Systems, about the state-of-the-art scanner's components and the requirements of installing such scanners including the shielding requirements. The students had a unique experience of watching the process of filling the scanner with liquid helium to keep the superconductor magnet at a temperature of 4 K.

In conclusion, this visit served as a valuable educational experience, where the exposure to advanced imaging technology and discussions with professional engineers and radiology staff have deepened the students' understanding of the concepts of MR imaging and its role in diagnosing and managing various medical conditions.



## Architecture Engineering Department Organizes a Workshop on Visual Communications: Architectural Shadows Studies

The instructors of the "Visual Communications" course (Arch.Emad Hailat and Arch.Sara Al-Darawsheh) in the Department of Architecture at Yarmouk University organized an applied workshop for the "Architectural Shadows Studies" course students.

The workshop focused on studying the proportions of shade and shadows on the facades of the Yarmouk University campus. The workshop aimed to enhance the concept of architectural perspective and the relationship of sunlight projections to shade and the impact of the sun during the day on the university campus building facades.



The workshop incorporated shadow analysis as a practical application illustration for one of the course topics concerning the study of shadows and their observation on the ground. Students were able to observe the impact of architectural design elements such as shadows on buildings and spaces on the ground, which contributed to the workshop's practical application of the course's theoretical concepts. This form of applied workshop is crucial for enhancing students' abilities and expanding their horizons.

## Architecture Engineering Department Organizes a Workshop on Building Regulations and Professional Practice

The Department of Architecture at Hijjawi Faculty for Engineering Technology, Yarmouk University, hosted the Head of the Follow-up and Inspection Department at the Greater Irbid Municipality, Arch. Sawzan Abdel-Hadi, under the supervision of the course instructor, Arch. Sara Al-Darawsheh, to give a non-systematic lecture to the students of the course "Building Regulations and Professional Practice AE 480".

The lecture dealt with important topics such as architectural violation, the role of regulations, laws and engineering charter, where the lecture witnessed an interactive discussion with students.



The lecture ended with practical examples to enrich students' knowledge and experience.

A thanks letter has been given to Arch. Sawzan Abdel-Hadi at the end of the lecture, by the Department of Architecture, represented by the head of the department, Dr. Zaid Al-Deek, and the course instructor, Arch. Sara Al-Darawsheh, appreciating her efforts and accepting the invitation.

This productive cooperation between educational and governmental institutions is important to enhance practical education, improve the level of services provided to the community, and enrich the knowledge and experience of students by the experts in the field.

## Architecture Engineering Department Organizes a Workshop Architectural Presentation using Rendering Techniques

The Department of Architecture at Hijjawi Faculty for Engineering Technology, Yarmouk University, hosted, within the course "Free Drawing AE 111 ", Arch. Samah Al-Jabarat and Arch. Israa Jibril, to hold a workshop on architectural presentation using rendering techniques such as wood color, water color and marker colors, under the supervision of the course instructor, Arch. Sara al-Darawsheh, the workshop included a theoretical explanation of color theory and the tools used in the various display techniques, in addition to presenting distinctive models of the architects works.

The workshop also devoted a part to the practical application directly by the students and to start making their own paintings under the supervision of the architects.

A thanks letter has been given to the architects at the end of the lecture, by the Department of Architecture, represented by the head of the department, Dr. Zaid Al-Deek, and the course instructor, Arch. Sara Al-Darawsheh, appreciating their efforts and accepting the hosting invitation.

This productive cooperation between educational institutions and the private sector is important to enhance practical education, improve the level of services provided to the community, and enrich the educational content provided to students to take advantage from professionals in the field.





# Students Activities

**Alzamel and Al-Khalouf from Hijjawi Faculty for Engineering Technology Attend Iftar Banquet Hosted by HRH the Crown Prince**



The students Fatma Alzamel and Yazid Al-Khalouf from Hijjawi faculty for engineering technology, attended the iftar banquet hosted by His Highness the Crown Prince - Hussein bin Abdullah II in the Husseinia Palace, for a group of young men and women from the "The Hussein Fellowship" program. One of the Crown Prince Foundation's programs dedicated to building youth leaders.

The Hussein Fellowship Program (HFP) is a pioneering national program with a progressive vision, a new model for promoting progressive leadership thought among young men and women and integrating them within networks of professional paths specialized in political, economic, and social aspects. HFP aims to invest in carefully selected young men and women who can positively influence and contribute to the development process at the macro level and in their communities. The Program seeks to be a transformative platform for motivated youth.

## President Massad Honors Naamneh who Accompanied the King on his Official Visit to Japan

The President of Yarmouk University, Dr. Islam Massad, in the presence of the Dean of the Hijjawi Faculty for Engineering Technology, Dr. Mwaffaq Ootom, honored the student Abdullah Naamneh from the Department of Electronics Engineering, who accompanied His Majesty King Abdullah II Ibn Al-Hussein on his official working visit to Japan, representing the program (Parliamentary Fellowship of the Jordanian Parliament) of the King Abdullah II Fund for Development and Jordan's youth in general.



## President Massad Honors Outstanding Students Win Local, Regional and International Awards

President of Yarmouk University Prof. Islam Massad honored outstanding students, from different faculties including Hijjawi Faculty for Engineering Technology, who have won local, regional and international awards.





## The ACI Student Chapter Participates in the Entrepreneurship and Creativity Conference

The ACI Student Chapter at Yarmouk University participated in the Students Conference titled "Future Educational Visions and Aspirations (Entrepreneurship and Creativity)" at Jadara University (Irbid, Jordan). The ACI students (Sarah, Ahmad, Qamar, and Sally) had a booth to present the student chapter's most recent activities and discuss the chapter's future goals. The students also shared the experience they have earned through participation in local and international activities, as well as the knowledge and technical aspects gained when organizing events.



## ACI Student Chapter Organized the "Pervious Concrete" Competition

The ACI Student Chapter at Yarmouk University organized a "Previous Concrete" Competition for students in the civil engineering department. Twelve teams participated in the competition where each team designed a concrete mixture with high permeability. The concrete specimens were tested for flexural strength to evaluate the mechanical properties, and the ability of water to pass through the concrete. The closing ceremony was held at the Hijjawi Faculty for Engineering Technology, under the patronage of the Faculty Dean, with attendees from the Jordanian Concrete Association (JCA) and the Jordanian Engineers Association (JEA), as well as students and faculty members from the Department of Civil Engineering. The first 3 places of the most efficient concrete mixtures were honored. It's worth mentioning that Pervious concrete is a special type of concrete with high porosity, made from a mixture of cement, water, coarse aggregate, and a minimal amount of sand. Pervious concrete creates a porous medium, which allows rainwater to pass through and reach the underlying soil to be collected in underground reservoirs.



## Alzamel Participates in the IEEE Jordan International Joint Conference on Electrical Engineering and Information Technology

Fatma Alzamel participated in the IEEE Jordan International Joint Conference on Electrical Engineering and Information Technology (JEEIT 2023), as an Executive Committee member of the IEEE - Jordan Section. The conference, which was held in its third year and organized by the Jordan Engineers Association in collaboration with the IEEE Jordan Section placed in the Landmark Amman Hotel & Conference Center 22/2023/5/24-. The JEEIT conference provided a remarkable platform for knowledge exchange, networking, and collaboration among professionals in the field. The conference showcased the latest advancements and research in various areas of engineering and technology. Ahmed Shehab, Al-Tayeb Reziq and Fatma Alzamel represent Hijjawi Faculty for Engineering Technology in the event. The forum deals with multiple axes that reflect the aspirations of young people in the fields of politics, economy, tourism and business, as well as society, law, education and media. The forum participated in its sessions, 500 people from specialists and senior positions held 21 dialogue sessions on topics of interest to young people and linking them to decision-makers in an interesting conversation about reality and aspirations, and it provides an opportunity to exchange visions and ideas between representatives of official authorities Private, civil and various youth events. Fruitful dialogues and aspirations towards the promising Jordanian future.





## Hijjawi Students Participate in "Tawasul: Dialogue on Reality and Aspirations" Forum

In the presence of His Royal Highness Prince Al Hussein bin Abdullah II, Crown Prince, the Crown Prince Foundation held a dialogue session "Tawasul: Dialogue on Reality and Aspirations" forum with a group of young people, the gathering and discussion sessions were attended by more than 500 notable individuals. The Yarmouk University students took an active part in the meeting's sub-discussions on a variety of economic, social, and administrative topics.

Ahmed Shehab, Al-Tayeb Reziq and Fatma Alzamel represent Hijjawi Faculty for Engineering Technology in the event. The forum deals with multiple axes that reflect the aspirations of young people in the fields of politics, economy, tourism and business, as well as society, law, education and media. The forum participated in its sessions, 500 people from specialists and senior positions held 21 dialogue sessions on topics of interest to young people and linking them to decision-makers in an interesting conversation about reality and aspirations, and it provides an opportunity to exchange visions and ideas between representatives of official authorities Private, civil and various youth events. Fruitful dialogues and aspirations towards the promising Jordanian future.



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

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

The campaign aimed to achieve the national goal of citizen health, emphasizing the importance of supporting the health sector, which is one of the basic building blocks for sustainable development and social responsibility. Additionally, it aimed to spread the culture of giving and altruism among members of society. Such campaigns contribute to saving the lives of patients in the community and can significantly raise awareness and encourage more people to donate blood.

students and faculty members lined up to donate blood. The Northern Region Blood Bank team was present to oversee the donation process and ensure that all donors met the necessary requirements to donate blood. The team was also responsible for collecting and processing the donated blood.

The campaign successfully collected 95 units of blood, which is a significant contribution to the blood bank's supplies. The campaign's success was a testament to the commitment and generosity of the university community, who came together to support a worthy cause and contribute to the well-being of others.

In conclusion, the blood donation campaign organized by Hajjawi Faculty for Engineering Technology and the Northern Region Blood Bank at Yarmouk University was an important initiative that aimed to promote. The event was supervised by Dr. Musab Abuaddous, Dr. Ammar Alshannaq, Dr. Mohammad Al-Tamimi and Dr. Muath Abu Qamar.





## A Team from Hijjawi Faculty for Engineering Technology Wins the Second Award in the Entrepreneurship Hackathon



The student team, consisting of students Hazem Shatnawi and Hassan Abu Sreis from the Department of Computer Engineering and Nuran Al-Saqer from the Department of Communications Engineering won second place in the Entrepreneurship Hackathon for their project, entitled RoboFish, which aims to reduce pollution levels in Aquatic surfaces by identifying and collecting types of waste, and sending alerts to the competent authorities to complete the necessary regarding large objects, in addition to monitoring living organisms to preserve them.

The Hackathon entitled "Using Technology in Environmentally Friendly Solutions" was organized by the Entrepreneurship and Innovation Center at Yarmouk University within the "SAXEED.ECO" project supported by the German Agency for Academic Exchange Services / DAAD. This hackathon came with the participation of more than 70 male and female students from the universities of "Germany Chemnitz, Abdel Hamid bin Badis Mostaganem in Algeria, and Yarmouk University and Jordan University of Science and Technology in Jordan.

The hackathon, which was held over a week at Yarmouk University, was based on two main parts. The first was training and preparing the participating students on the principles of entrepreneurship and innovation, such as the principles of the business model, design thinking, presentation skills and ideas, and many lectures and workshops on digital transformation, patents and the mechanism registered.

In the second part, it was the stage of competition and presentation of ideas after the completion of the training and preparation stage, so that a committee consisting of 6 members with expertise from all participating universities and the private sector was formed, and accordingly 24 teams from the various participating universities were qualified to participate, each team was allocated 5 minutes to present Ideas and 5 minutes to answer the committee's questions.

## Communications Engineering Department Presents a Project to JODDB

An outstanding group of students from the communications Engineering department affiliated with Hijjawi Faculty for Engineering Technology, namely our students Saif Al-Deen Hassonah and Ahlam Zyod under the supervision of Dr. Hazim Shakhatreh, had their project which was titled "Wireless Charging of Electrical Vehicles by Movable Chargers", utilizing laser diodes power transfer, presented as a part of the Creative Excellence initiative launched by Jordan Design and Development Bureau (JODDB).

The project gained a liking among the judges and earned their support, leading to its qualification to the final round after passing the first two stages.

We wish our fellow students all the best in the upcoming stages as they have proven to be a unique team that has come a long way, worthy of the success they gained.



## Mashriqi from Computer Engineering Department is the Section Leader of IEEEExtreme 17.0 in Jordan

The head of the IEEE-Computer Society Student Chapter at Yarmouk University, Qusay Mashraqi was chosen as the Section Leader of the IEEEExtreme competition, which is a global programming competition held by the IEEE organization every year in October.

Participated in by student members of IEEE who are enthusiastic about programming around the world, and it is about 24 continuous hours of programming; So that every hour a problem is presented to the participants to solve it, and so on until the end of the day.



## IEEE Aerospace and Electronic Systems Society is Launched at YU

The ceremony was held to open the IEEE Space and Electronic Systems Community at the Hijjawi Faculty of Engineering Technology in the presence of the Dean of the Faculty, Prof. Mwaffaq Otoom, under the supervision of Dr. Ola Taani, supervisor and consultant of the space community and electronic systems of Yarmouk University.

The opening included various paragraphs to introduce the community, its vision and future plans, and how students can gain knowledge and skills in space-related fields. Dr. Khaled Al-Tal, owner of Al-Tal Company for Construction Materials and a member of the astronomical community for Jordanians, was hosted to talk more about the multiple fields of space, and JSSOAR had an important presence, a non-profit educational organization that includes programs for education and academic relations in the fields of space for students of Jordan, where Rama Sheyab and Omar Hourani from JSSOAR introduced the programs offered by JSSOAR to students in the fields of space, and a group of students participated in presenting their projects.

ACI branch, which is one of the non-profit student branches of the American Concrete Institute for the Department of Civil Engineering at Yarmouk University, where ACI students Ahmed Abu Al-Foul, Rama Marian, Hadeel Al-Shalkhti and Sally Al-Silawi talked about providing concrete for construction on Mars consisting of sulfur, and MARS ROBOTICS, a manufacturer of flight control systems specialized in providing drone services, provided a model of the drone, photogrammetry methods, aircraft data processing techniques, and information on terrain maps. Using GIS, and providing infrastructure inspection and development solutions, MARS ROBOTICS empowers organizations to manage flights using software tools.



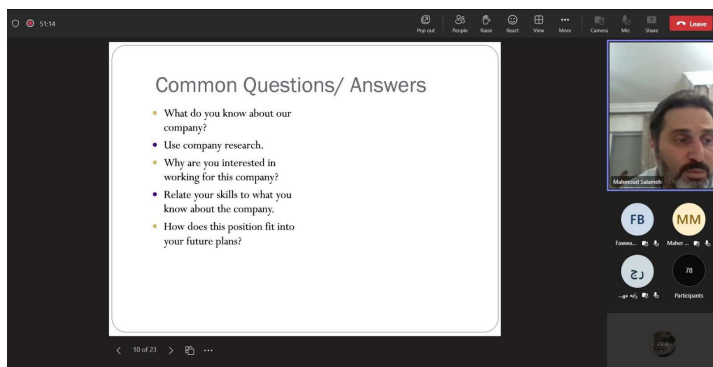
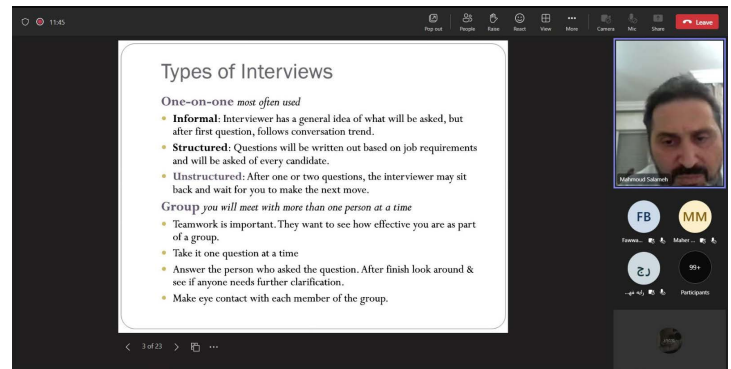
## IEEE Computer Society Cinema Day

The Computer Society organized a day to show a film related to technology and its future to enrich the minds of members with questions and motivate them to research and continuous development, tackling subject such as IOT and AI and their effect on users privacy, and the ethical issues facing programmers.



## IEEE Computer Society Holds a Workshop on How to Excel in Job Interviews

IEEE- Computer Society at Yarmouk University, in cooperation with the Young Engineers and Electrical Media Committee, organized a workshop entitled How to prove yourself in job interviews, which was presented by Eng. Mahmoud Salama, member of the Electrical Division Council. The workshop introduces the participants to the market interview process and the methods to distinguish yourself from the rest.





## IEEE Computer Society Organizes a "Guide to utilizing LinkedIn" Workshop

IEEE- computer society at Yarmouk University organized a "Guide to utilizing LinkedIn" workshop, which was presented by one of the technical team members, Mahasin Al-Tamimi. The workshop provide participants with detailed information about creating a professional account on the (LinkedIn) platform and the effective strategies for sharing knowledge and experiences with others and finding suitable opportunities in the workplace.



## IEEE- Computer Society Organizes Workshop on Python Programming

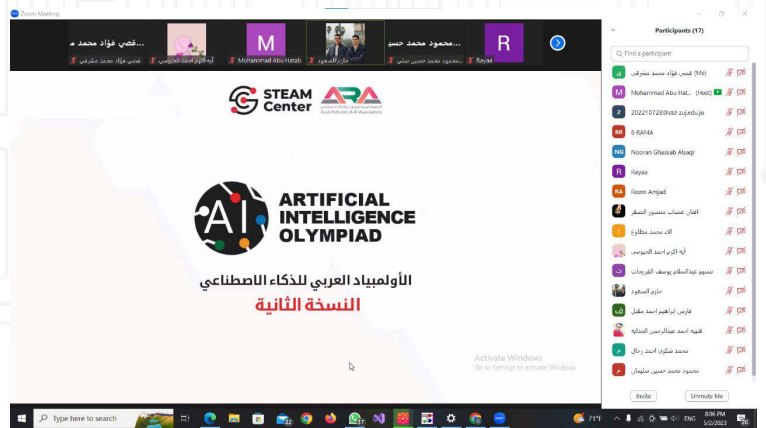
IEEE-ComSoc organized workshop on Python, workshop was divided between face-to-face sections and via Zoom sections. The participated students were taught the use Python software for engineering purposes introducing the student to the use of the programming language in statistical applications and data modeling for engineering analysis and evaluation. The participants were rewarded with a certificate at the end of the 20 hours workshop.





## IEEE Computer Society Organizes a Workshop on the Artificial Intelligence Olympiad

The Computer Society organized an introductory workshop for the Arab Olympiad for Artificial Intelligence, which is organized by the Arab Robotics Society in cooperation with STEAM Center and IEEE, in which it was introduced about how to participate in it and what are the tracks in which students can participate.



## IEEE Computer Society Participates in SOFEE Conference

Scope of Electrical engineers conference, which was organized by the Young Electrical Engineers Committee and included many workshops and dialogues related to the latest technology in areas such as (Smart cities, VR & AR, Robotic surgery, Solar energy, 5G app, Cyber security) and booths that included emerging companies in these fields and distinguished student projects.

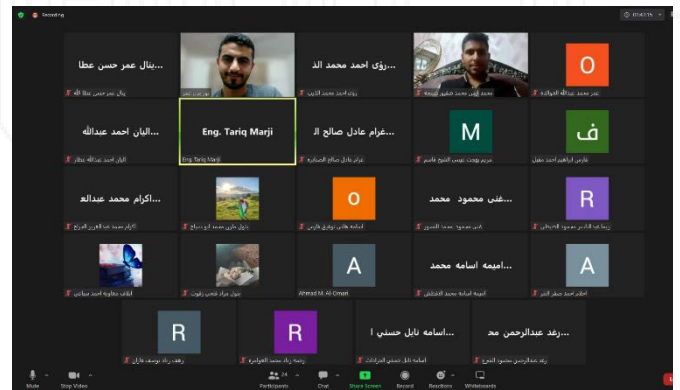


## IEEE- EMBS Organizes a Hemodialysis Machine Training Workshop Delivered by NIKKISO

EMBS held a workshop via Zoom on the 6Th of April, 2023 with Eng. Tariq Marji the head of the middle east at NIKKISO company. NIKKISO is a Japanese company that has been a pioneer in developing and introducing groundbreaking technologies in highly specialized fields ranging from specialty pumps for the manufacturing industry to carbon fiber-reinforced plastic components for aircraft and dialysis and blood purifiers for the medical field.

The meeting started by discussing the functions of the kidney and explaining how the hemodialysis machine works and how it could replace the function of the kidneys.

Dr. Ahmad Al-Omari, the biomedical systems and informatics engineering department head, attended the workshop and at the end of the meeting, Dr. Al-Omari talked to Eng. Marji about collaboration opportunities, also and Eng. Marji answered questions from the students.



## IEEE- EMBS Organizes Scientific Research and Scientific Paper Workshop

On Monday the 17th of April 2023, Dr. Mohammad Rawhi Rawashdeh a professor in Al-Hijawi Faculty of Engineering Technology in the communication engineering department, started his first workshop as a part of a chain of workshops on scientific research for engineering students, especially senior undergraduate students.

These workshops will be held sequentially through the coming month by Dr. Rawashdeh to develop the students' skills in scientific research and pave the way for them to start their journey in this field. Dr. Rawashdeh gave a 3-hour workshop and discussed the basics of scientific research, the researchable topic and the type of paper. The workshop was attended by many students from the different departments of the Hijawi Faculty of Engineering Technology.





## IEEE Robotics and Automation Society holds an Arduino Workshop

IEEE Robotics and Automation Society In cooperation with Scitech Team held a workshop on Arduino and its applications as the Arduino board is an open source Software and Hardware program through which you can simply control the devices and perform a large number of functions depending on what you're programming, So that the outputs achieve the goals wanted. Engineer Moamen Bani Melhem gave the basics of Arduino, its practical application, and how to deal with it on the simulation program tinkercad.



## IEEE- WIE Students Participate in "JEEIT" Conference

On Tuesday, 23/2023/5/, the third Jordanian International Conference on Electrical Engineering and Information Technology "JEEIT" was held, where two students, Ahlam Zyoud and Roaa Obeidat, a member of the WIE community, participated to represent the women's booth in engineering, the Jordan branch.



## IEEE- WIE Celebrates the 77th Independence Day of Jordan

IEEE Women in Engineering (WIE) society organized a "booth" on May 24, 2023, for the seventy-seventh anniversary of Jordan independence, to leave a mark for women in engineering, confirming that successful Jordanian women are an integral part of the country's progress, success, development, and lasting independence.



**HAPPY INDEPENDENCE DAY**





## Computer Engineering Students Organizes a Ramadan Iftar for Orphans

Computer Engineering Students and faculty members from Hijjawi Faculty for Engineering Technology organized a Ramadan iftar for orphans in association with the Ministry of Social Development fort. The event was held in "Tareq bin ziad" park, the students organized games for the children before the iftar, followed with a joined iftar meal. After iftar the students organized some activists and distributed gifts and sweets to children before going home.





## Hijjawi Faculty for Engineering Technology Students Organizes a Ramadan Iftar for Orphans

A group of students from Hijjawi Faculty for Engineering Technology organized a Ramadan iftar for orphans in association with the Ministry of Social Development fort. The initiative was organize with the support of local charity organization in Irbid on the 9th of April in a public park. The students organized games for the children before the iftar, followed with a joined iftar meal. After iftar the students organized some activists and distributed gifts and sweets to children before going home.



## Landscape Architecture Students at Hijjawi Faculty for Engineering Technology Designs the "Nafrah" Garden in Celebration of HRH the Crown Prince's Wedding

Landscape architecture students at Hijjawi Faculty for Engineering Technology designed the "Nafrah" garden. This garden is a gift to Crown Prince Al-Hussain on the occasion of his wedding, and it expresses the students' happiness on this happy occasion. The garden design process was supervised by Dr. Zaid Al-Deek, Head of the Department of Architecture and course instructor, Arch.Emad Hailat, and Teaching Assistants, Arch. Maram Otoum and Arch. Leen Al-Turk.

The "Nafrah" garden featured a monument commemorating the slogan "Nafrah," as well as trees and colorful flowers, as well as sitting areas for relaxing and taking in the natural scenery. A shaded area has also been created to serve as a gathering place for the university students. The students have expressed a desire for this garden to be a distinctive addition to the university campus and to highlight engineering students' positive contributions to improving their university environment.





## **"Our Enriching Journey in the Jordanian parliament: The Parliamentary Fellowship Experience" a written piece by students Shehab and Na'amneh**

Our enriching journey into the world of politics and parliamentary life began through the Fellowship Program with the Jordanian parliament, under the auspices of the King Abdullah II Fund for Development. Throughout eight months filled with valuable challenges and experiences, we found ourselves at the heart of a vibrant and exciting democratic process.

The Parliamentary Fellowship Program is designed to empower enthusiastic Jordanian youth interested in public affairs, enabling them to engage in the public decision-making process and understand legislative procedures and political communication. My experience within the halls of the parliament was unforgettable, providing me with opportunities for learning, personal growth, and expanding my knowledge in political affairs, as well as interacting with policymakers, decision-makers, and gaining insights into the legislative process.

Through the parliamentary fellowship, we participated in various parliamentary activities and events, ranging from attending general sessions and parliamentary committees to engaging in discussions, preparing reports, and conducting research. I got to know members of the House of Representatives and its staff, collaborating with them, which added significant value to my experience and contributed to expanding my professional network.

One of the most enjoyable aspects of the program was being involved in policy drafting and witnessing the decision-making process from within. We were able to see firsthand the impact of laws on people's lives and society, as well as how public policies are shaped.

Furthermore, valuable training opportunities were provided to us as fellows, where we received intensive training on the fundamentals of parliamentary work, public administration, communication skills, and lobbying.

We cannot praise enough the program and the team behind it, who played a pivotal role in providing an exceptional democratic and civilized experience. We lived in an environment that fosters national values and encourages sincere dedication to serving the country.

In summary, my experience in the Parliamentary Fellowship Program at the Jordanian House of Representatives was an unforgettable opportunity to explore the world of politics, contribute to decision-making, and study the consequences of these decisions on the lives of citizens. I highly recommend participation in such programs to anyone seeking to broaden their knowledge and develop their skills in the parliamentary field.





## Erasmus+ Students / Spring 2022 - 2023



**Bara' Hani Mukattash, Computer Engineering Department**  
**University of Castilla La Mancha, Spain**



**Mohammad Yousef AlKarasneh, Computer Engineering Department**  
**Mälardalen University, Sweden**



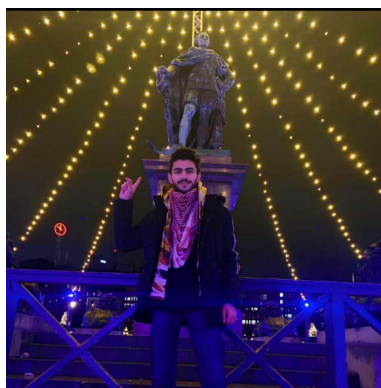
**Mohammad Ra'ed Alsamhoury, Computer Engineering Department**  
**Mälardalen University, Sweden**



**Diaa Aldeen Al-Trad, Computer Engineering Department**  
**Mälardalen University, Sweden**



**Yazeed Sopuh, Computer Engineering Department**  
**Mälardalen University, Sweden**



**Khaled Obaidat, Computer Engineering Department**  
**Mälardalen University, Sweden**



**Ahmad Ahed Al-Saideen, Computer Engineering Department**  
**Mälardalen University, Sweden**

# Faculty Members News

## Six Faculty Members to Participate in the Summer Research Visit Program

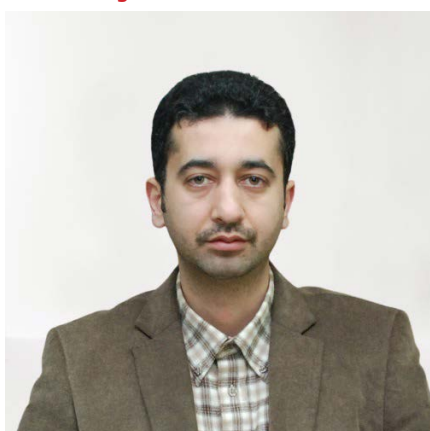
Six of our Faculty Members will participate in the Summer Research Visit Program 2023, funded by Yarmouk University, in top-500 universities, world-wide.



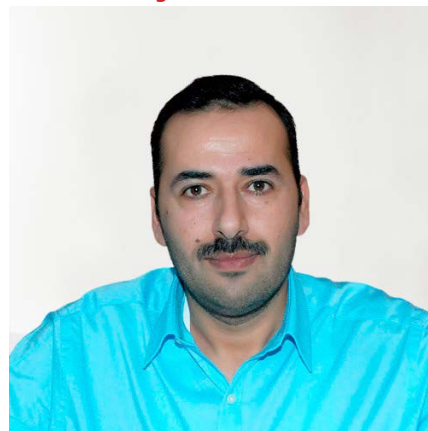
**Dr. Mahmoud S. Masadeh, Computer Engineering Department**  
**University of Western Ontario, Canada**



**Dr. Mu'ath Abu Qamar, Civil Engineering Department**  
**University of Notre Dame, USA**



**Dr. Eyad Alzrequei, Communication Engineering Department**  
**University of New Mexico, USA**



**Dr. Mohammad Aloqlah, Communication Engineering Department**  
**Khalifa University, UAE**



**Dr. Madhar Taamneh, Civil Engineering Department**  
**University of Birmingham, UK**



**Dr. Qasem Qananwah, Biomedical Systems and Informatics Engineering Department**  
**RWTH Aachen University, Germany**

### Prof. Al-Smadi Presents and Chairs Session at the International Conference on Basic Science, Engineering and Technology Conference

Prof. Adnan Al-Smadi, from the Electronics Engineering Department at Hijjawi Faculty for Engineering Technology, chaired the session at The Third International Conference on Basic Science, Engineering and Technology conference (ICBASSET 2023) in Marmaris, Turkey from April 27 to April 30, 2023.

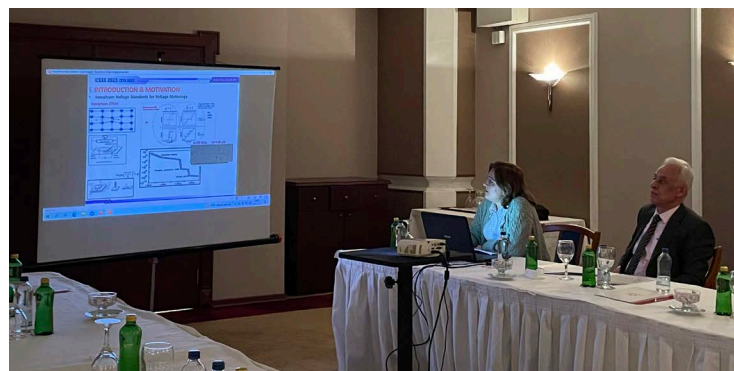
Prof. Adnan Al-Smadi also presented his paper "A Navigation Tool for Visually Impaired and Blind People" in the conference.



### Dr. Hejazi Presents and Chairs Session at the International Conference on Electrical and Electronics Engineering

Dr. Zuhair Hejazi, from the Communication Engineering Department at Hijjawi Faculty for Engineering Technology, chaired the session at The International Conference on Electrical and Electronics Engineering (ICEEE 2023) in Istanbul, Turkey from May 8 to May 10, 2023.

Dr. Zuhair Hejazi also presented his paper "Compact Octagonal Patch antenna array with Enhanced Isolation and Cross Polarization" in the conference.





### Prof. Al-Zaben Participates in Organizing the IEEE International Conference JEEIT 2023

The IEEE Jordan Section, in cooperation with the Jordanian Engineers Association organized the 3rd Jordanian International Conference on Electrical Engineering and Information Technology 2023, which was held under the patronage of His Excellency the Prime Minister, with the participation of many specialists in the fields of electrical engineering, communications and information technology from inside and outside Jordan, and in the presence of the Minister of Digital Economy and Entrepreneurship. **Prof. Awad Al-Zaben** from our Biomedical Systems and Informatics Engineering Department was a member in the organizing committee of the conference and the chair of the Biomedical Track.



### Dr. Obeidat, Dr. Khader, and Dr. Tani Participate in the IEEE Jordan International Conference JEEIT 2023 and in the IEEE Jordan Section Annual Meeting

On the other hand, **Dr. Yusra Obeidat** from our Electronics Engineering Department and the Chair of IEEE WIE (Women in Engineering) in Jordan was the moderator of the opening ceremony of the JEEIT conference and represented WIE of Yarmouk University in the conference. **Dr. Yusra Obeidat**, **Dr. Ateka Khader** from the Biomedical Systems and Informatics Engineering Department, and **Dr. Ola Tani** from Computer Engineering Department also participated in the IEEE Jordan Section Annual Meeting.



## PLOS ONE Selects Dr. Masadeh as an Editorial Board Member

PLOS One is a peer-reviewed journal published by the Public Library of Science (PLOS) since 2006. The journal covers primary research including science, engineering, and medicine.

Recently, PLOS ONE has selected Dr. Mahmoud Masadeh as an Editorial Board Member, where the board comprises working scientists who have established principal investigators/group leaders with extensive publication records.

The Academic Editors oversee the peer review process for the journal, including evaluating submissions, selecting reviewers, and assessing their comments, and making editorial decisions. PLOS ONE is indexed by SCOPUS/Q1 (H-index=404), and Web of Science (Impact Factor=3.7).



## Dr. Shehadeh Contributes to Multidimensional Poverty Analysis: A Collaborative Discussion at the German Jordanian University

Dr. Ali Shehadeh, the chairperson of the Civil Engineering Department at the Hijjawi Faculty for Engineering Technology, joined a delegation from Yarmouk University through its Center for Studies on Refugees, Displaced Persons, and Forced Migration to participate in a discussion about the Multidimensional Poverty at the German Jordanian University. The central focus of the meeting was the "Multidimensional Poverty Report," which Dr. Sabine Alkira from the University of Oxford presented. The discussion entailed the exploration of multidimensional poverty indicators and their implications for policy-making and strategic planning to alleviate poverty. They also examined the best strategies for allocation distribution to reinforce sectors, such as education, health, and living standards, which directly impact multidimensional poverty. The delegation from Yarmouk University delved into the possibilities of utilizing these experiences to revise Jordan's national strategies for identifying multidimensional poverty and establish performance metrics and standards tailored to Jordan's circumstances. The delegation also proposed the creation of a unique poverty index for refugees and the execution of local studies. Representatives from Hashemite University and Al-Hussein Bin Talal University also contributed to the meeting.



## Dr. Shehadeh Represents Hijjawi Faculty for Engineering Technology in "Communication (Tawasul): Dialogue on Reality and Aspirations"

In a remarkable demonstration of academic involvement in national dialogue, Dr. Ali Shehadeh from the Civil Engineering Department at the Hijjawi Faculty for Engineering Technology, along with a group of students from Yarmouk University, actively participated in the "Communication (Tawasul): Dialogue on Reality and Aspirations" forum. This engagement, initiated by the Crown Prince Foundation with a participation of his majesty the crown prince, created a platform for young minds and experienced professionals to exchange ideas and perspectives on crucial issues that affect the future of Jordan. Their participation embodied the symbiotic relationship between academia and societal development, demonstrating how scholarly insights can enrich discussions on national development strategies. These engagements are a testament to the vital role of intellectual communities in shaping the nation's future. Above all, the crown prince and the forum's keynote speakers underscored the vital role of individuals who have been invited, highlighting that the invited guests, in their voluntary service to Jordan, embody the spirit of selflessness and dedication that fuels the engine of the nation's progress.



## Dr. Shehadeh Discusses Youth Empowerment and Volunteering at the Tawasul Forum: Insights from the Greater Irbid Radio Interview

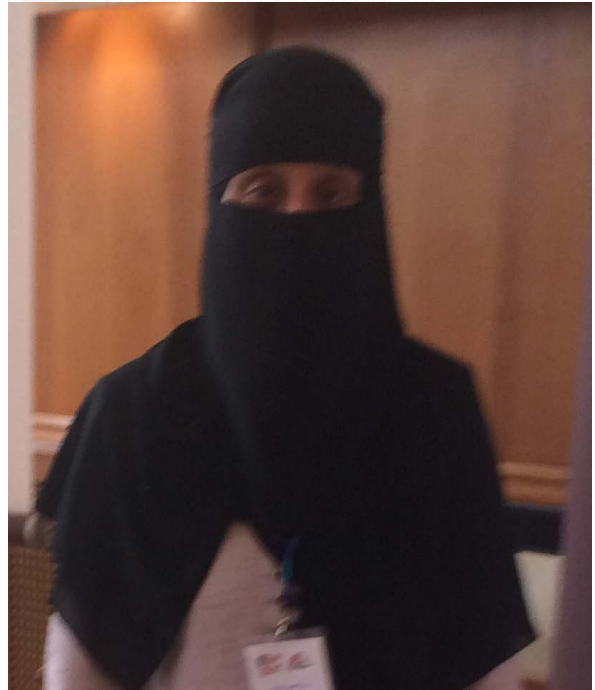
Dr. Ali Shehadeh, who heads the Civil Engineering Department at the Hijjawi Faculty for Engineering Technology, took part in an interview with Greater Irbid Radio. The discussion revolved around his active role in the Tawasul Forum, which the Crown Prince Foundation recently conducted. In the interview, Dr. Shehadeh elaborated on his contributions to volunteer work, innovation, and entrepreneurship within the Muhafazati Volunteer Foundation. He underlined the criticality of enhancing youth participation and fostering institutional collaboration in society. The conversation also touched upon the voluntary initiatives driven by the Muhafazati Foundation and the impactful role that Yarmouk University plays in serving civil society. It is worth mentioning that the Tawasul Forum, under the patronage of His Royal Highness Crown Prince Al Hussein Bin Abdullah II, provided a platform for active youth to engage in transparent discussions with decision-makers, covering topics pertinent to young individuals in politics, economics, tourism, business, societal issues, law, education, and media.





## University's Council Appoints Dr. Al-Quran in the Scientific Research Council

University's council has recently appointed Dr. Hiam Al-Quran from the Biomedical Systems and Bioinformatics Engineering Department, a member in the Scientific Research Council, which is headed by the Dean of Scientific Research and Graduate Studies. Dr. Al-Quran holds a PhD in Biomedical Engineering and Biotechnology from UMASS at Lowell in 2014. She is currently an Associate Professor.

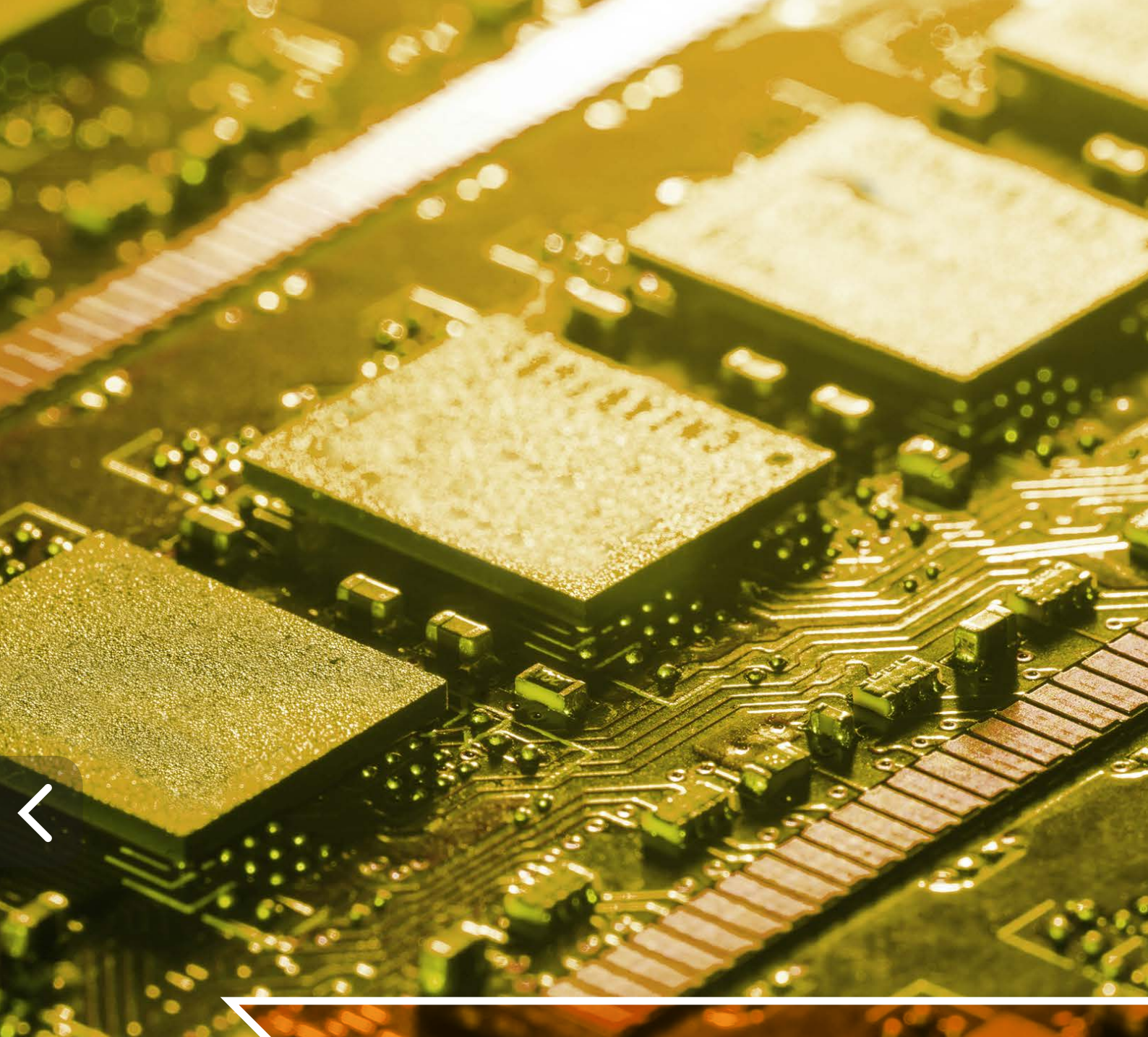


## Dean Visits Washington DC to Open Channels of Collaboration

Prof. Mwaffaq Otoom, the Dean of the Hijawi Faculty for Engineering Technology, Visited Washington DC to participate in the NAFSA Conference and Expo, where he met with many international universities. During his visit, the Dean also met with the International Science and Engineering Office at the NSF, CRDF, and the IEEE President and CEO.







### **Newsletter Staff:**

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

**Editor:** Dr. Musab Y. Abuaddous, Assistant Dean for Students and Alumni Affairs

**Designer:** Prof. Mwaffaq Otoom, Dean

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