



Faculty of
Engineering

FACULTY OF ENGINEERING NEWSLETTER

A message from...

Professor Mu'tasim Abdel-Jaber

Dean of Engineering



The Faculty of Engineering at Al-Ahliyya Amman University (AAU) was established in 1991 to meet the demand for qualified Engineers both locally and regionally. Since then, more than 3000 engineers have graduated from our faculty and are serving their communities by working in many private corporations and local governments. Some of them even went on and obtained PhD degrees from highly reputable universities and are now working in high administrative positions or as faculty members at AAU as well as other academic institutions.

Our faculty currently offers five graduate programs: Electronics and Communications Engineering, Computer Engineering, Medical Engineering, Civil Engineering, and Electrical Engineering. We also offer Master programs in Communications Engineering and in Intelligent Transportation Systems (ITS) which is the first of its kind at the regional level.

The Faculty of Engineering is a hub of the highest quality of education through teaching and research excellence, a vibrant educational environment and innovative programs. We constantly think about the future and introduce new engineering degree programs that meet the needs of the future. Our efforts are dedicated on providing students with the necessary knowledge and experience needed by employers to succeed and become leaders of tomorrow.

I would like to invite you to visit our university website, which gives detailed information about our programs and research, in addition to our most recent news and activities.

International accreditation certificate (ABET)



Engineering
Accreditation
Commission



The faculty of Engineering has been accredited with the international accreditation certificate (ABET) for six years in all engineering programs for the bachelor's degree: (computer engineering, electronics and communications engineering, electrical engineering, civil engineering, and medical engineering). It is noteworthy that Al-Ahliyya Amman University, since 2019, has started steadily towards accrediting all academic programs from various accreditation bodies with a reputable global reputation to raise the level of education and research and achieve advanced positions in international classifications.



The AAU Department of Civil Engineering organizes a competition for graduation projects

The AAU Department of Civil Engineering organized the first annual competition for the graduation projects online on March 27, 2021. The competition allowed 20 students from the department registered in the graduation project courses (1) & (2) to participate and present their projects by having six projects for the academic year 2020-2021. Three external referees from various educational sectors were invited, namely: Dr. Asa'd Al-Bustami from the University of Petra, Dr. Tamer Al-Jawfat from the American University in Madaba and Engineer Muhannad Al-Damanhouri from the Memorial University of Newfoundland.

The competition provided the participants an opportunity to present the final results of their current projects or their preliminary results of the ideas for the project (1) by submitting a project poster (1) and a Pecha presentation for the project (2) was announced by the department earlier. The students submitted their projects to the referees and faculty members, and the results came as follows: - The following two projects won the first place for Graduation Project (1): 1- Value Engineering in Constructing Projects. The Case of Judicial Institute Management- Jordan 2- Investigation of the Effect of Human Hair and Polyethylene Fibers Insertion on Concrete Mix - The Following project won the second place: 1- A Classical Method & A Numerical Modeling for Designing A Sheet Pile Wall - The following project won the third place: 1- Correlating Comprehensive Design of a Reinforced Concrete Building Subjected to Earthquake with Quantity Surveying Assessment - The following project won the first place for the graduation project (2): 1- Designing an Eco-friendly Building “El Cielo Resort” Designing with its Bill Quantity.



With wide international participation, the “Innovation and Modern Trends in Engineering Education, Technology and Science 2021” conference at Princess Sumaya University for Technology in cooperation with Al-Ahliyya Amman University.



The work of the first international conference “Innovation and Modern Trends in Engineering Education, Technology and Science 2021” was concluded, organized by King Abdullah II College of Engineering at Princess Sumaya University for Technology in cooperation with the faculty of Engineering at Al-Ahliyya Amman University and with the support of IEEE Jordan Branch, through visual communication technology and with wide international participation. The two-day conference focused on 15 papers that will be published in the IEEE Xplore in the field of engineering and technical education and its global transformations, and seeks to exchange ideas and efforts in developing learning and education in these areas. The conference was attended by researchers from Jordan, China, the United Arab Emirates, the United States of America, Qatar, Portugal, Pakistan, Greece and Saudi Arabia.

Publications

- Prof. Mahmoud Iskandarani from the Department of Civil Engineering published a paper entitled “Sensing and Detection of Traffic Status through V2V Routing Hop Count and Route Energy, 12, 4, 2021, 93-100” in the International Journal of Advanced Computer Science and Applications.

For more information you can read the full text through the

link https://www.researchgate.net/publication/351263319_Sensing_and_Detection_of_Traffic_Status_through_V2V_Routing_Hop_Count_and_Route_Energy

- Prof. Mahmoud Iskandarani from the Department of Civil Engineering published a paper entitled “Prediction of Road Congestion Through Application of Neural Networks and Correlative Algorithm to V2V Communication (NN-CA-V2V), Volume 283, 2, 2021, 1203-12021” in the Lecture Notes in Networks and Systems, Intelligent Computing, Springer Proceedings of Proceedings of the 2021 Computing Conference.

For more information you can read the full text through the link

https://www.researchgate.net/publication/353052165_Prediction_of_Road_Congestion_Through_Application_of_Neural_Networks_and_Correlative_Algorithm_to_V2V_Communication_NN-CA-V2V

- Prof. Jamal Al-Nabulsi (Department of Medical Engineering) and Dr. Bashar Badr (Department of Electrical Engineering) published a paper entitled “Adaptive gender-based thermal control system” in the International Journal of Electrical and Computer Engineering.

For more information you can read the full text through the link:

https://www.researchgate.net/publication/350559917_Adaptive_gender-based_thermal_control_system

- MSc. Muneera Altayeb (Department of Electronics and Communications Engineering) and Dr. Amani Al-Ghraibah (Department of Medical Engineering) published a paper entitled “Classification of Three Pathological Voices based on Specific Features Groups using Support Vector Machine” in International Journal of Electrical and Computer Engineering (IJECE)

For more information you can read the full text through the link:

https://www.researchgate.net/publication/354376463_Classification_of_three_pathological_voices_based_on_specific_features_groups_using_support_vector_machine

- Dr. Sandra Matarneh from the Department of Civil Engineering published a paper entitled “Developing a New Deep Learning CNN Model to Detect and Classify Highway Cracks” in the Journal of Engineering, Design and Technology

For more information you can read the full text through the link:

https://www.researchgate.net/publication/352769509_Developing_a_new_deep_learning_CNN_model_to_detect_and_classify_highway_cracks

- Dr. Sandra Matarneh from the Department of Civil Engineering published a paper entitled “Building Information Modeling for Facilities Management: Skills, Implementation and Teaching Map” in book: BIM Teaching and Learning Handbook Implementation for Students and Educators

For more information you can read the full text through the link:

https://www.researchgate.net/publication/349692484_BUILDING_INFORMATION_MODELING_FOR_FACILITIES_MANAGEMENT_SKILLS_IMPLEMENTATION_AND_TEACHING_MAP

- Dr. Sandra Matarneh from the Department of Civil Engineering published a paper entitled “Towards Adopting 4d BIM in Construction Management Curriculums: A Teaching Map” in book: BIM Teaching and Learning Handbook Implementation for Students and Educators

For more information you can read the full text through the link:

https://www.researchgate.net/publication/349692918_TOWARDS_ADOPTING_4D_BIM_IN_CONSTRUCTION_MANAGEMENT_CURRICULUMS_A_TEACHING_MAP

- Dr. Amani Al-Ghraibah (Department of Medical Engineering) and MSc. Muneera Altayeb (Department of Electronics and Communications Engineering) published a paper entitled “Classification of Long Bone X-ray Images using New features and Support Vector Machine Classifier” in the International Journal of Advanced Trends in Computer Science and Engineering.

For more information, you can read the full text through the link:

https://www.researchgate.net/publication/352262091_Classification_of_Long_Bone_X-ray_Images_using_New_features_and_Support_Vector_Machine

- Dr. Hamza Abu Owida , Dr. Amani Al-Ghraibah (Department of Medical Engineering) and MSc. Muneera Altayeb from the Department of Electronics and Communications Engineering published a paper entitled “Classification of chest X-ray Images using wavelet and MFCC features and Support Vector Machine Classifier” in the Engineering, Technology & Applied Science Research.

For more information, you can read the full text through the link:

https://www.researchgate.net/publication/354052306_Classification_of_Chest_X-Ray_Images_using_Wavelet_and_MFCC_Features_and_Support_Vector_Machine_Classifier

- Dr. Taqwa Alhadidi from the Department of Civil Engineering published a paper entitled “Evaluation of Transit Signal Priority on Arterial Performance - A Comparison between Conventional and Unconventional Intersection Operation” in the Civil Engineering and Architecture.

For more information, you can read the full text through the link:

https://www.researchgate.net/publication/354611468_Evaluation_of_Transit_Signal_Priority_on_Arterial_Performance_A_Comparison_between_Conventional_and_Unconventional_Intersection_Operation

- Dr. Omar Alghazawi from the Department of Civil Engineering published a paper entitled “Response of Reinforced Concrete Slabs Strengthened with CFRP” in the Engineering Science and Technology Review.

For more information, you can read the full text through the link:

https://www.researchgate.net/publication/348996821_Response_of_Reinforced_Concrete_Slabs_Strengthened_with_CFRP

- Dr. Omar Alghazawi from the Department of Civil Engineering published a paper entitled “Modeling of Vehicular Speed and Headway on Urban Route in Amman City” in the International Journal of Engineering Research and Technology.

For more information, you can read the full text through the link:

https://www.ripublication.com/irph/ijert21/ijertv14n3_12.pdf

- Dr. Nawal Al Louzi from the Department of Civil Engineering published a paper entitled “Investigation of the Accumulation of Greenhouse Gases in Terms of Road Traffic Gradients” in the International Journal of Engineering and Advanced Technology.

For more information, you can read the full text through the link:

https://www.researchgate.net/publication/354460010_Investigation_of_the_Accumulation_of_Greenhouse_Gases_in_Terms_of_Road_Traffic_Gradients

- Dr. Nawal Al Louzi from the Department of Civil Engineering published a paper entitled “Recycling of cement kiln dust from cement plants to improve mechanical properties of pavement base courses ” in the Roads and Bridges – Drogi I Mosty.

For more information, you can read the full text through the link:

https://www.researchgate.net/publication/346447317_RECycling_OF_CEMENT_KILN_DUST_FROM_CEMENT_PLANTS_TO_IMPROVE_MECHANICAL_PROPERTIES_OF_ROAD_PAVEMENT_BASE_COURSES_WYKORZYSTANIE_POWSTAJACYCH_W_CEMENTOWNIACH_PYOW_Z_PIECOW_CEMENTOWYCH_DO_POPRAWY_WAOECIWO

- Dr. Nidhal Saada from the Department of Civil Engineering published a paper entitled “Characterization of the High Swelling Green Clay in the Vicinity of Amman Area” in the The Open Civil Engineering Journal.

For more information, you can read the full text through the link:

<https://opencivilengineeringjournal.com/VOLUME/15/EPUB-ABSTRACT/EA-TOCIEJ-2021-18/>

- Dr. Nidal Qasem from the Department of Electronics and Communications Engineering published a paper entitled “Simulation and optimization of tuneable microstrip patch antenna for fifth-generation applications based on graphene” in the International Journal of Electrical and Computer Engineering.

For more information you can read the full text through the link:

https://www.researchgate.net/publication/341380547_Simulation_and_optimization_of_tuneable_microstrip_patch_antenna_for_fifth-generation_applications_based_on_graphene

- Dr. Ahmad Alamayreh and Dr. Nidal Qasem from the Department of Electronics and Communications Engineering published a paper entitled “Vortex Beam Generation in Microwave Band” in the Progress In Electromagnetics Research.

For more information you can read the full text through the link:

https://www.researchgate.net/publication/346416655_Vortex_Beam_Generation_in_Microwave_Band

- Dr. Nidal Qasem and Dr. Ahmad Alamayreh from the Department of Electronics and Communications Engineering published a paper entitled “Beam steering using OAM waves generated by a concentric circular loop antenna array” in the Wireless Networks.

For more information you can read the full text through the link:

https://www.researchgate.net/publication/350171572_Beam_steering_using_OAM_waves_generated_by_a_concentric_circular_loop_antenna_array

- Dr. Khaled Mahafzah and Dr. Hossam Fraihat from the Department of Electrical Engineering published a paper entitled “Adaptive Neuro Fuzzy Interface System Based Short Circuit Fault Diagnoses in a Three Phase Induction Motor Drive System” in Universal Journal of Electrical and Electronic Engineering.

For more information you can read the full text through the link:

https://www.researchgate.net/publication/352460700_Adaptive_Neuro_Fuzzy_Interface_System_Based_Short_Circuit_Fault_Diagnoses_in_a_Three_Phase_Induction_Motor_Drive_System

- MSc. Hana Rababah from the Department of Electronics and Communications Engineering published a paper entitled “Modeling and Simulation of Standalone WECS-PMSG for Water Pumping System” in the IEEE PowerAfrica 2021 Conference.

For more information you can read the full text through the link:

<https://ieeexplore.ieee.org/abstract/document/9543189>

- Dr. Ashraf Al Sharah, Dr. Mohammad Alhaj (Department of Computer Engineering) and Dr. Firas Al Naimat (Department of Medical Engineering) published a paper entitled “Trade-off between Energy Consumption and Transmission Rate in Mobile Ad-Hoc Network” in the International Journal of Advanced Computer Science and Applications

For more information you can read the full text through the link:

https://www.researchgate.net/publication/350519030_Trade-off_between_Energy_Consumption_and_Transmission_Rate_in_Mobile_Ad-Hoc_Network

- Dr. Talal Edwan from the Department of Computer Engineering published a paper entitled “An analysis of a stochastic on-off queueing mobility model for software-defined vehicle networks” in the IEEE Transactions on Mobile Computing

For more information you can read the full text through the link:

https://www.researchgate.net/publication/346239510_An_Analysis_of_a_Stochastic_ON-OFF_Queueing_Mobility_Model_for_Software-Defined_Vehicle_Networks

- Dr. Talal Edwan from the Department of Computer Engineering published a paper entitled “Foil Performance Monitoring Vest; An Interactive Training System for the Olympic Sport of Fencing” in International Journal of Innovation, Creativity and Change

For more information you can read the full text through the link:

<https://www.ijicc.net/index.php/ijicc-editions/2021/217-vol-15-iss-3>

- Dr. Feras Alnaimat from the Department of Medical Engineering published a paper entitled “The Geometrical Effect on the Von Mises Stress on Ball and Socket Artificial Discs” in the Engineering Technology and Applied Science Research.

For more information you can read the full text through the link:

https://www.researchgate.net/publication/347558059_The_Geometrical_Effect_on_the_Von_Mises_Stress_on_Ball_and_Socket_Artificial_Discs

- Dr. Ashraf Al Sharah , Dr. Mohammad Alhaj (Department of Computer Engineering) and Dr. Feras Alnaimat from the Department of Medical Engineering published a paper entitled “Trade-off between Energy Consumption and Transmission Rate in Mobile Ad-Hoc Network” in the International Journal of Advanced Computer Science and Applications.

For more information you can read the full text through the link:

https://www.researchgate.net/publication/350519030_Trade-off_between_Energy_Consumption_and_Transmission_Rate_in_Mobile_Ad-Hoc_Network

- Dr. Hamza Abu Owida and Prof. Jamal Al-Nabulsi from the Department of Medical Engineering published a paper entitled “Recent Techniques for Harvesting Energy from the Human Body” in the Computer Systems Science and Engineering.

For more information you can read the full text through the link:

https://www.researchgate.net/publication/354462767_Recent_Techniques_for_Harvesting_Energy_from_the_Human_Body

News of MSc Graduated Students

The AAU Faculty of Engineering holds a defense of six Master’s theses; four from the Electronics & Communications Engineering Department and two from the Civil Engineering Department:

- **Khaled Waleed Nassar thesis titled:**

“Simulation of Traffic Flow at Unsignalized T-Intersection”

- This thesis was successfully defended in the Department of Civil Engineering by Khaled Nassar on Tuesday 02/02/2021. The defense committee of this thesis which was supervised by Dr. Mohammad Hassan, Department of Civil Engineering, Dr. Nawal Al-Lawzi as an AAU member and internal examiner and Dr. Ibrahim Kholifat as a member and external examiner/ Al- Balqa' Applied University.

- **Laith Abdullah Zayaden thesis titled:**

“Application of Vissim Software in Analysis and Simulation a Segment of Aqaba Traffic Network”

- This thesis was successfully defended in the Department of Civil Engineering by Laith Zayzden on Monday 01/02/2021. The defense committee of this thesis which was supervised by Dr. Mohammad Hassan, Department of Civil Engineering, Prof. Nabel Al-Hazeem as an associated supervisor, Department of Civil Engineering , Dr. Nawal Al-Lawzi as an AAU member and internal examiner and Prof. Adli Al-Balbesi as a member and external examiner/ University of Jordan.

➤ **Wala’a Khrisat thesis titled:**

“Improving Traffic Incident Management in Amman City Using Intelligent Transportation Systems Application”

- This thesis was successfully defended in the Department of Civil Engineering by Wala’a Khrisat on Tuesday 02/02/2021. The defense committee of this thesis which was supervised by Prof. Nabel Al-Hazeem, Department of Civil Engineering, Dr. Mohammad Hassan as an associate supervisor, Department of Civil Engineering, Dr. Nawal Al-Lawzi as an AAU member and internal examiner and Prof. Adli Al-Balbesi as a member and external examiner/ University of Jordan.

➤ **Maymonah Al-Shabatat thesis titled:**

“Implementation of Intelligent Transportation Systems in the Management of Emergency Medical Services (EMS) in Amman City”

- This thesis was successfully defended in the Department of Civil Engineering by Maymonah Al-Shabatat on Monday 31/05/2021. The defense committee of this thesis which was supervised by Prof. Nabel Al-Hazeem, Department of Civil Engineering, Dr. Mohammad Hassan as an AAU member and internal examiner and Prof. Subhi Bazlamet as a member and external examiner/ Al-Zaytoonah University.

➤ **Reem Ibrahim thesis titled:**

“The role of ICT/IOT elements is sustainable economic development of ITS managed infrastructure in Jordan”

- This thesis was successfully defended in the Department of Civil Engineering by Reem Ibrahim on Wednesday 07/07/2021. The defense committee of this thesis which was supervised by Dr. Mohammad Hassan, Department of Civil Engineering, Prof. Nabel Al-Hazeem as an AAU member and internal examiner and Dr. Ibrahim Kholifat as a member and external examiner/ Al- Balqa' Applied University.

➤ **Malak Al-Rashed thesis titled:**

“Investigating the effect of 3G and 4G technologies on the Smartphone GPS receiver”

- This thesis was successfully defended in the Department of Electronics and communications Engineering by Malak Al-Rashed on Thursday 10/06/2020. The defense committee of this thesis which was supervised by Prof. Jamal Rahal, Department of Electronics and Communications Engineering, Dr. Nidal Qasem as an AAU member and internal examiner and Prof. Deya’a Abu Alnadi as a member and external examiner/ University of Jordan.

اخبار متفرقة.....

لقاء الأستاذ الدكتور عميد كلية الهندسة بأعضاء الهيئة التدريسية

التقى الأستاذ الدكتور معتصم عبد الجابر عميد كلية الهندسة يوم الخميس الموافق 2021/10/7، بأعضاء الهيئة التدريسية في كلية الهندسة في تمام الساعة الواحدة ظهراً، في مدرج محمود درويش، حيث تخلل هذا اللقاء كلمة للأستاذ الدكتور عميد الكلية رحب فيها بأعضاء الهيئة التدريسية وتمنى لهم عاماً أكاديمياً مليئاً بالتقدم والنجاح، كما وأكد على أهمية البحث العلمي ودوره في الارتقاء بمكانة الجامعة محلياً وإقليمياً وارتباطه بالاعتمادات والتصنيفات العالمية. كما شمل اللقاء كلمة للأستاذ الدكتور جمال النابلسي نائب العميد للشؤون الأكاديمية أكد فيها على بعض الشؤون الأكاديمية وآلية عقد الامتحانات وكذلك كلمة للدكتورة ساندرا المطارنة نائب العميد لشؤون الاعتماد والجودة تحدثت فيها عن الرؤية والرسالة والقيم الجوهرية للجامعة وكلية الهندسة وأكدت على ضرورة متابعة تسجيل الطلبة وإرشادهم.



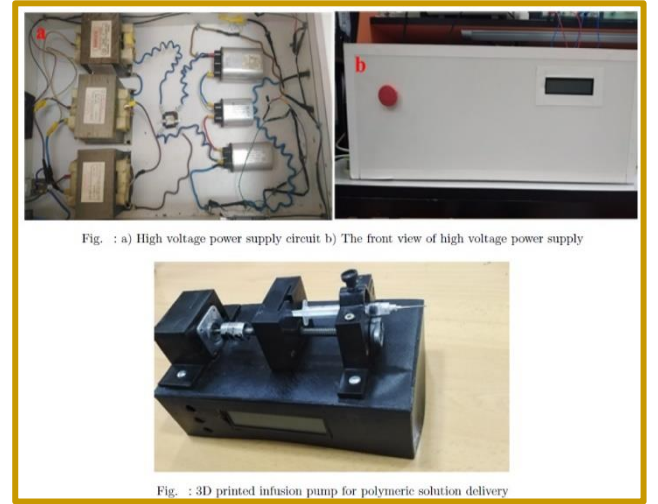
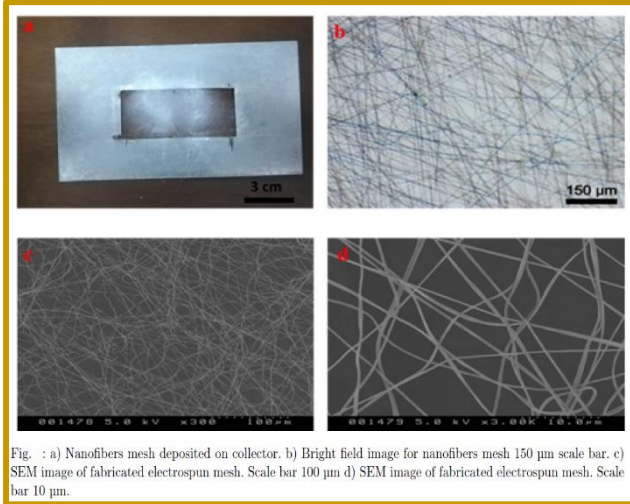
لقاء تنويري لطلبة "كلية الهندسة" في جامعة عمان الأهلية

مع بداية العام الجامعي 2021-2022 واستقبال الطلبة المستجدين في جامعة عمان الأهلية نظّمت كلية الهندسة يوماً تنويرياً جمع الطلبة المستجدين في الكلية بمختلف تخصصاتهم لتعريفهم بالجامعة وما تقدّمه من خدمات وأنشطة. وشمل اللقاء كلمة ترحيبية للأستاذ الدكتور معتصم عبد الجابر عميد كلية الهندسة رحّب فيها بالطلبة المستجدين متمنياً لهم عاماً أكاديمياً مليئاً بالتقدم والنجاح، وقام بإستعراض الإنجازات الأخيرة للكلية على المستويين المحلي والدولي. واستكمل اللقاء الأستاذ الدكتور جمال النابلسي نائب العميد للشؤون الأكاديمية بعرض الرؤية والرسالة والقيم الجوهرية لجامعة عمان الأهلية وكلية الهندسة والتأكيد على الطلبة بأهمية الإرشاد الأكاديمي وضرورة الالتزام بتعليمات منح درجة البكالوريوس في الجامعة. هذا وتخلل اللقاء تكريماً للطلبة الأوائل لمستوى السنتين الدراسيتين الرابعة والخامسة لجميع التخصصات الأكاديمية في الكلية.



انجاز لكلية الهندسة – قسم الهندسة الطبية

في انجاز مميز يسجل لكلية الهندسة في مجال انتاج النانو فايبر قام الدكتور حمزه أبو عويضة والمهندس بشار نزيه وبمشاركة من الطلبة عامر ابو سارة وجلال المشاركة ونغم سامر من قسم الهندسة الطبية بإجراء تجربه ناجحة لإنتاج النانو فايبر (Nanofibers) في مختبرات كلية الهندسة في جامعه عمان الأهلية حيث تم تقديم ورقة بحثية بهذه التجربة. ومن الجدير بالذكر ان كل الأجهزة اللازمة لإنتاج النانو فايبر تم تصميمها وتطويرها في كلية الهندسة وذلك بالاستفادة من الخبرات العملية والعلمية لدى اعضاء الهيئتين التدريسية والادارية في الكلية. حيث تم تطوير جهاز كهربائي (Power Supply) بجهد قابل للمعايرة يصل الى 9000 فولت بالإضافة الى تطوير جهاز (Infusion Pump) لاستكمال التجربة وبتكلفة لا تتجاوز 100 دينار للجهازين. وبذلك يمكن القول ان كلية الهندسة في جامعه عمان الأهلية تمتلك الان مختبر لإنتاج النانو فايبر متخطية كل العوائق التي تواجه البحث العلمي ودون اللجوء الى شراء اجهزه غاليه الثمن. والنانو فايبر هي ألياف تقاس أبعادها بـ 100 نانومتر تقريبا تستخدم في مكونات الأعضاء الاصطناعية، هندسة الأنسجة، زراعة الأعضاء، توصيل الدواء، تضميد الجروح، المواد النسيجية الطبية. وتستخدم الألياف النانوية ايضا لتطبيقات ترشيح الهواء والسوائل وفي تصنيع بعض المجسات النانوية وكما تستخدم في الخلايا الشمسية الفولتية الضوئية والخلايا الوقود الغشائية.

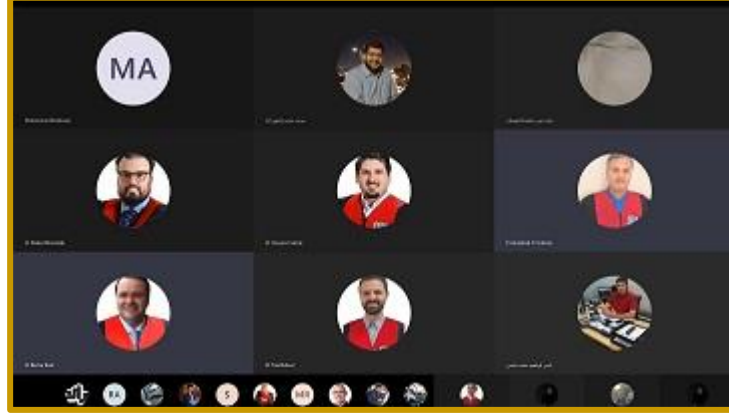


كلية الهندسة في جامعة عمان الاهلية تفوز بمسابقة مشاريع التخرج في نقابة المهندسين الاردنيين

حصلت جامعة عمان الاهلية المركز الثاني في مسابقة مشاريع التخرج التي تنظمها نقابة المهندسين الاردنيين بالتشاركية مع امانة عمان الكبرى وذلك عن مشروع (تصميم التقاطعات متعددة المستويات لتحسين العملية المرورية : تقاطع العساف) بإشراف الدكتورة تقوى ابراهيم الحديدي وبمشاركة من الطلبة علاء محمد الحمو ،احمد حابس الجدوع ،عماد محمد فهد. حيث بلغ عدد المشاريع المتقدمة للمسابقة 70 مشروع من 12 جامعة، وشارك في تحكيم المشاريع 19 محكم من مختلف الجامعات الاردنية ومن الجدير بالذكر ان هذه الجائزة خاصة بطلبة الهندسة المدنية وتعد بالتعاون مع امانة عمان الكبرى منذ عام 2017.

كلية الهندسة تنظم ورشة عمل بعنوان ترشيد الاستهلاك المنزلي للطاقة الكهربائية

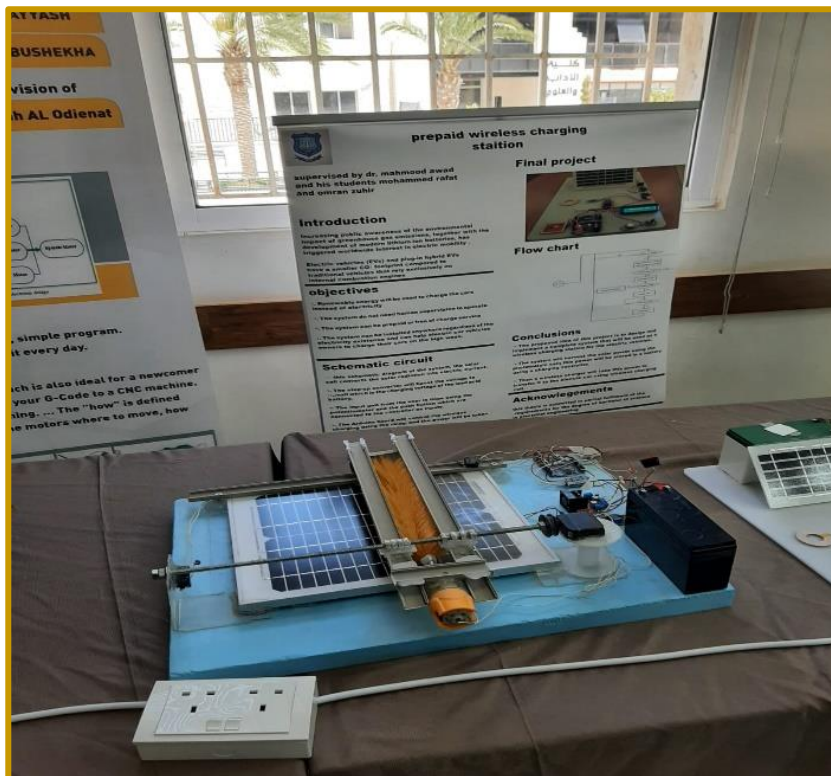
نظم قسم الهندسة الكهربائية في جامعة عمان الأهلية يوم الجمعة الموافق 2021/3/19، على منصة Microsoft Teams ورشة عمل بعنوان ترشيد الاستهلاك المنزلي للطاقة الكهربائية، حيث حضر هذه الورشة عدد من أعضاء الهيئتين التدريسية والإدارية في الكلية وعدد من أفراد المجتمع المحلي، وتعتبر هذه الورشة مقدمة لسلسلة من الورش التي يسعى قسم الهندسة الكهربائية على تقديمها لخدمة المجتمع المحلي.



هندسة عمان الأهلية تنظم احتفالاً بمناسبة مئوية الدولة الأردنية

بمناسبة مئوية تأسيس الدولة الأردنية الهاشمية وبرعاية أ.د. ساري حمدان رئيس جامعة عمان الأهلية نظمت كلية الهندسة يوم الخميس الموافق 29 تموز 2021 احتفالاً تضمن عرضاً تقديمياً عن مسيرة الهندسة وتطورها في المجالات كافة، كما تم التحدث عن تطور كلية الهندسة وانجازاتها في جميع اقسامها، وتضمنت أيضاً معرضاً لمجموعة من مشاريع التخرج الابداعية، حيث قدم الطلبة شرحاً تفصيلياً يبين آلية عمل مشاريعهم والآثار الإيجابية التي تقدمها هذه المشاريع لخدمة المجتمع المحلي.

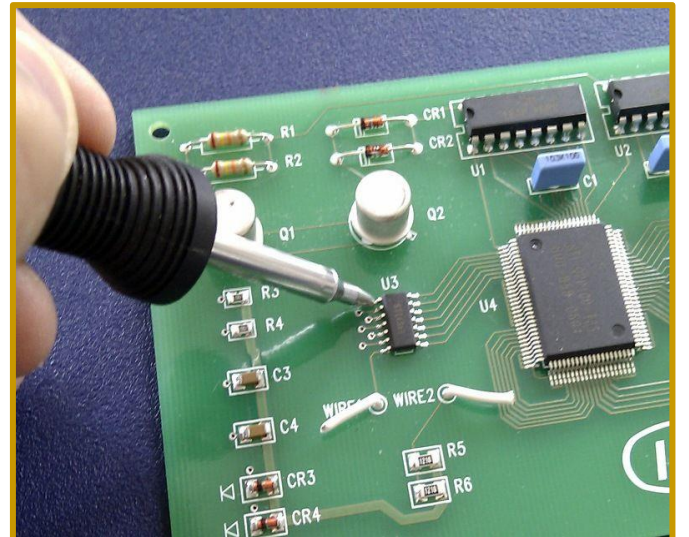
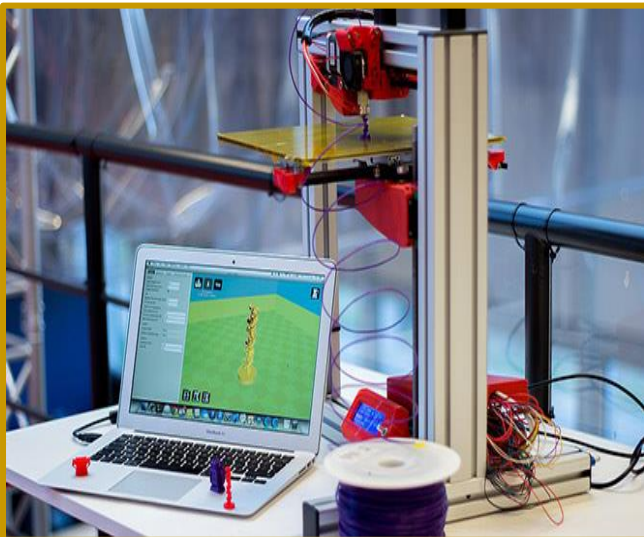




كلية الهندسة تنظم دورات تدريبية للطلبة في مجالات متعددة

نظمت قسم كلية الهندسة دورات تدريبية لطلاب مشروع تخرج (1) ، حيث تُعد هذه الدورة الأولى من نوعها في الكلية ، والتي تهدف وبشكل أساسي لتحسين مهارات طلبة الكلية كل حسب تخصصه للإعداد لمشروع التخرج والذي يعد أول تجربة فعلية تُحاكي الحياة العملية للطلّاب، وذلك في الفترة الواقعة ما بين 2022/31/10 و 2022/1/4 ، بمعدل محاضرتين اسبوعياً، حيث قدّم فيها الفريق المحاضر مواضيع مختلفة ومميزة معتمداً على المشاكل التي يواجهها الطلبة أثناء تنفيذ مشاريع التخرج وكانت هذه المواضيع على النحو التالي:

- Research methodology وقدمها د. حمزه ابو عويضة .
- برمجة الاردوينو (Arduino Programming) وقدمها م. محمد خرفان .
- تصميم البورداك الالكترونية (PCB Design) وقدمها عليها م. بشار نزيه .
- التصميم ثلاثي الابعاد لغاية الاستفادة من الطباعة ثلاثية (3D design using Fusion 360) وقدمتها م. اسماء الوتري.
- Technical writing using Microsoft word & Power Point وقدمتها م. روان المجذوبة
- Mendeley وقدمها د. بشار بدر



تهنئة ومباركة

تهنئة للأستاذ الدكتور جمال النابلسي

بمشاعر مليئة بالفرحة والسرور تتقدم اسرة كلية الهندسة بأحر التهاني للأستاذ الدكتور جمال النابلسي من كلية الهندسة / قسم الهندسة الطبية بمناسبة ترقيته الى رتبة استاذ راجيين له التقدم والنجاح.



تهنئة للدكتور احمد العميرة

بمشاعر مليئة بالفرحة والسرور تتقدم اسرة كلية الهندسة بأحر التهاني للدكتور أحمد العميرة من كلية الهندسة / قسم هندسة الالكترونيات والاتصالات بمناسبة ترقيته الى رتبة استاذ مشارك راجيين له التقدم والنجاح.



تهنئة للدكتورة أماني الغرايبة

بمشاعر مليئة بالفرحة والسرور تتقدم اسرة كلية الهندسة بأحر التهاني للدكتورة أماني الغرايبة من كلية الهندسة / قسم الهندسة الطبية بمناسبة ترقيتها الى رتبة استاذ مشارك راجيين لها التقدم والنجاح.



لجنة إعداد المجلة



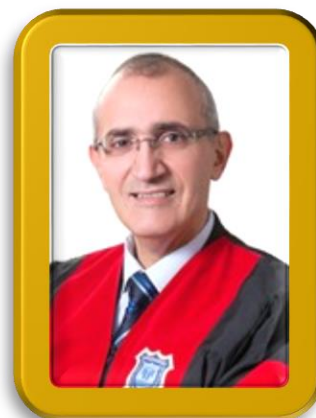
د. منيرة الطيب / مدرس

مساعد العميد لشؤون التدريب الميداني



د. فراس النعيمات / استاذ مساعد

رئيس قسم الهندسة الطبية



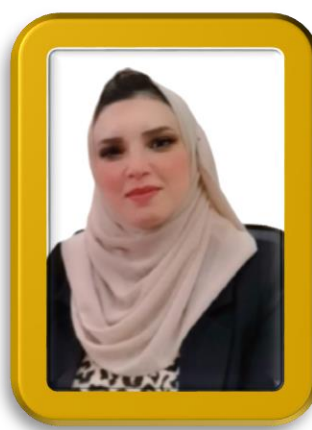
أ.د جمال النابلسي / أستاذ

نائب العميد لشؤون الأكاديمية



د. طارق الخريسات

قسم الهندسة المدنية



د. روان المجدوبية

قسم الهندسة الطبية