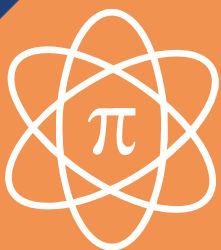


CELEBRATING
AU20
YEARS

 COLLEGE OF
ENGINEERING



COLLEGE OF ENGINEERING YEARBOOK

2024-2025

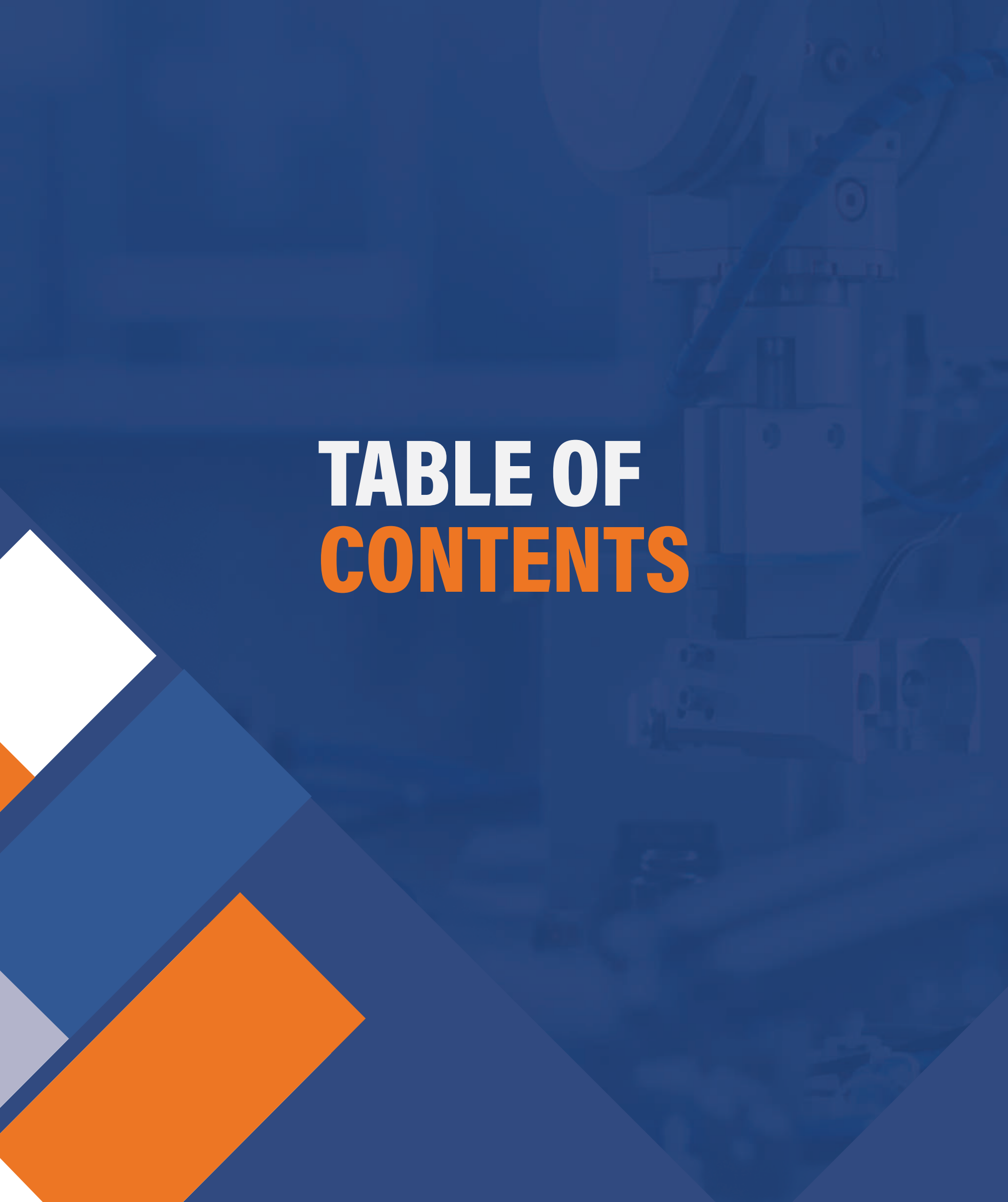
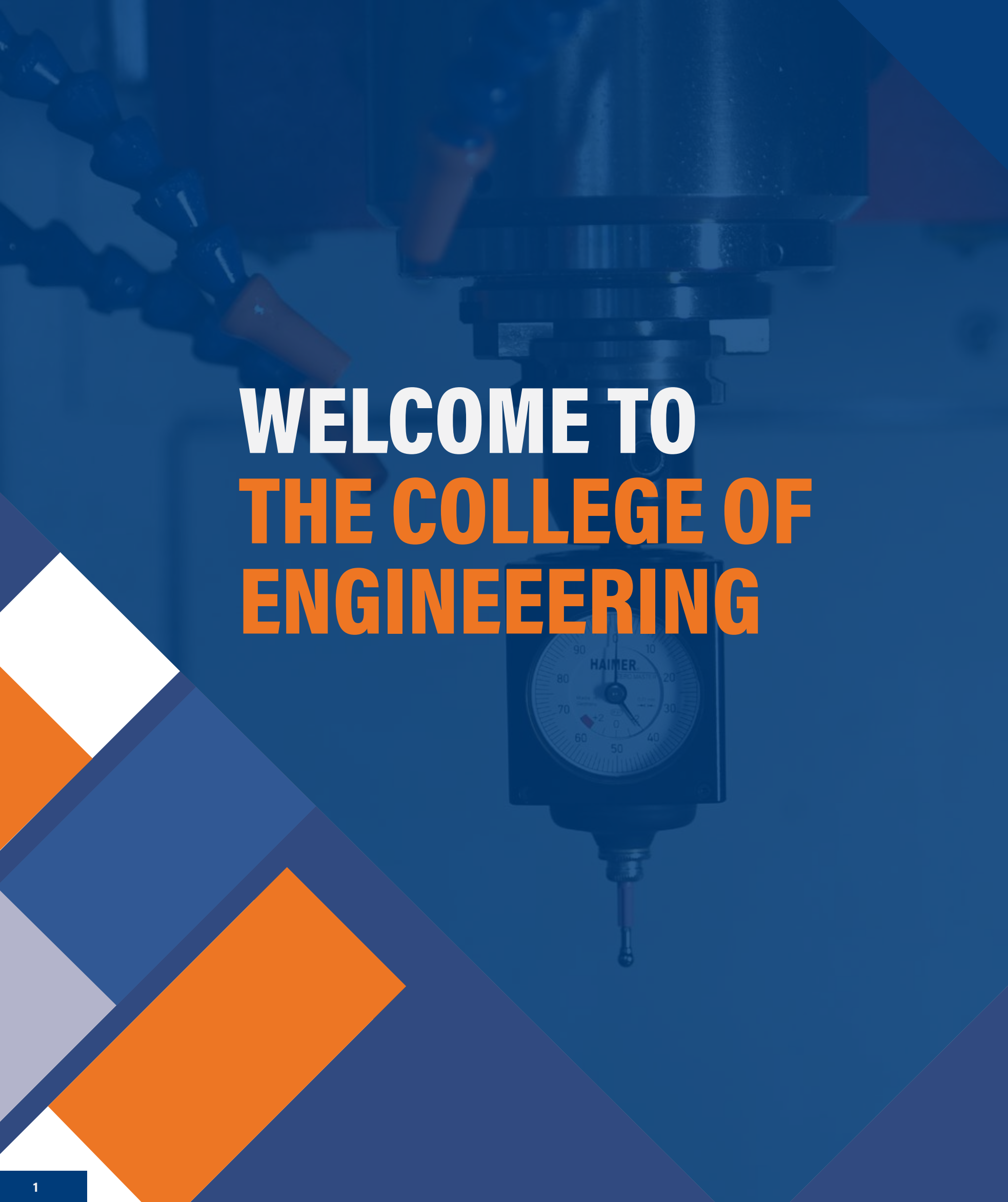
The background of the page is a dark blue gradient. On the right side, there is a faint, semi-transparent image of an industrial robotic arm. On the left side, there are several overlapping geometric shapes: a white triangle pointing towards the center, a medium blue triangle below it, and a large orange triangle at the bottom left corner.

TABLE OF CONTENTS

[illegible]

The background features a close-up of a mechanical assembly, likely a valve or actuator, with a pressure gauge visible. The gauge has a white face with black markings and the brand name 'HAIMER' at the top. The needle points to approximately 10 on the scale. The entire image is overlaid with a semi-transparent blue filter. In the bottom-left corner, there are several overlapping geometric shapes in white, orange, and dark blue. The text 'WELCOME TO THE COLLEGE OF ENGINEERING' is centered in the upper half of the image.

WELCOME TO THE COLLEGE OF ENGINEERING

A WELCOME MESSAGE FROM THE DEAN



Dr. Mohammed Abdul-Niby
Dean – College of Engineering

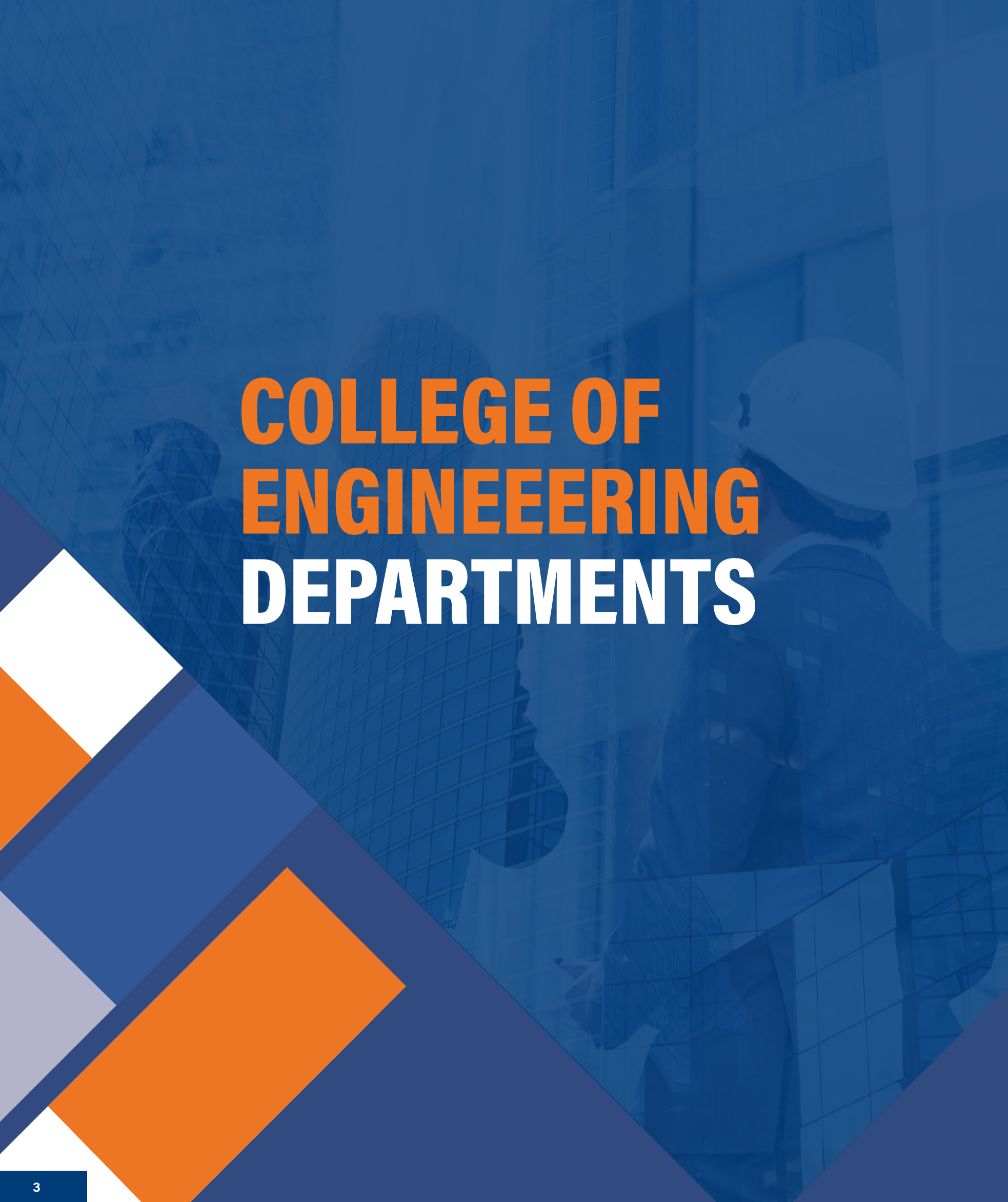
As Dean of the College of Engineering at the Australian University, it gives me great pleasure to announce the 8th edition of the College of Engineering yearbook, which summarizes all the activities and achievements of the college during the academic year 2024/2025. This academic year was distinguished by its challenges which were transformed into big achievements, thanks to our special students, faculty and administrative staff.

Our dear students, I wish you success and excellence in all your academic stages and I hope that your years of study at the Australian University will be filled with passion for learning and development to reach your goal of being graduated as competent engineers who significantly contribute to the development of the society and the homeland, Kuwait.

Our beloved graduates, you have been exceptional representatives of the College of Engineering and Australian University. Your hard work is bound to result in prosperity and success, I have no doubt that you will continue to serve as worthy ambassadors for the Australian University by building upon our reputation for excellence.

For the faculty, technical, and administrative staff of the College of Engineering at the Australian University, as we commemorate the twentieth anniversary of the founding of the Australian University, I express my profound pride in each one of you who has contributed and continues to contribute in achieving the University's and the College of Engineering's vision and mission and translating their plans and strategic goals into success and achievements.

Finally, I would like to thank all those who contributed and participated in completing this yearbook and making it available to us.



COLLEGE OF ENGINEERING DEPARTMENTS

OFFICE OF THE DEAN



Dr. Mohammed Abdul-Niby



Ms. Sonia Kalayji



Mr. Haider Asim



CIVIL ENGINEERING DEPARTMENT



Dr. Ahmad Saad
Head of Department



Dr. Taha Ahmed



Dr. Mohammed Salem



Dr. Mohamed Hany Yassin



Dr. Rana Lakys



Dr. Reza Soleimanpour



Dr. Meshari Almutairi



Dr. Ahmed Assad



Dr. Masoud Irannezhad



Dr. Rodaina Aboul Hosn



Dr. Sanaa AlEzzah



Dr. Ahmad Aiash



Eng. Faisal Otaibi



Eng. Mohamad Iyad Al-Khiami



Ms. Nadya AlMousa



Eng. Naser Mohammad



Eng. Adel Jumah



Eng. Ammar Alnouri



Mr. Tahir Afrasiab



Mrs. Dana Hammad



Dr. Hassan Salti
Head of Department

ELECTRICAL ENGINEERING DEPARTMENT



Prof. Isam Zabalawi



Dr. Mohammed Abdul-Niby



Dr. Amin Al Ka'bi



Dr. Majdi Al Omari



Dr. Mohamad Farhat



Dr. Michel Nahas



Dr. Arash Mehdizadeh



Dr. Kais Al-Abdullah



Dr. Hamzeh Aljarajreh



Eng. Mohammad Zaki



Eng. Hania El Kanj



Eng. Sami Asaad



Eng. Khaled Abujbara



Eng. Eman Mostafa



Eng. Reem Akasha



Eng. Asama Hussain



Eng. Laila Dallol



Mr. Waqar Jan Zafar



Mrs. Amani Abdulhai



Dr. Fadi AlKhatib
Head of Department

MECHANICAL ENGINEERING DEPARTMENT



Prof. Ahmad Sedaghat



Dr. Ehab Bani Hani



Dr. Wisam Al Saadi



Dr. Adel Younis



Dr. Hayder Salem



Dr. Zainab Al Hajaj



Dr. Nader Ghareeb



Dr. Majed Al-Sarhead



Dr. Raouf Mbarki



Dr. Abeer Alanazi



Dr. Afif Gouisseem



Dr. Mohamed Elbadawy



Eng. Omar AlRifai



Eng. Meryem Kanzari



Eng. Omar Yousef



Eng. Jessica Lopez



Eng. Ummay Rubab



Eng. Khaled Sarhan



Mr. Abraham Nethala



Mr. Renoy Poulouse



Mr. Joji Abraham



Mr. Subramaniam Sundaram



Mr. Joshith Valiyaparambath



Mr. Hamid Saadi

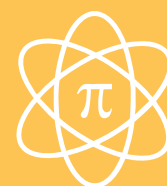


Ms. Heba Kobaissi



Prof. Ahmed Bani Mustafa
Head of Department

MATHEMATICS & PHYSICS DEPARTMENT



Dr. Marziyeh Nazari



Dr. Rasha Al Jamal



Dr. Sadeq Damrah



Dr. Ali AlZubi



Eng. Enayat Enaya



Mr. Hassan Kay Mohamed



Mr. Amin Bilal



Mr. Athbi Aljadi



Mr. Omar Chamma



Eng. Fatima Farhat



Eng. Jana Ghanem



Mrs. Muna Juma



Dr. Mortadha Al Saba
Head of department

PETROLEUM ENGINEERING DEPARTMENT



Dr. Mohamed Omar



Dr. Suad Al-Radhwan



Dr. Rana Malhas



Dr. Biltayib Biltayib



Dr. Seyed Mehdi



Dr. Jean El Achkar



Dr. Rida Elgaddafi



Eng. Fahad Abu Mallouh



Eng. Kingsley Amadi



Eng. Mufazzal Kabuli



Eng. Khaled Hantoush



Eng. Hussain Jam



Eng. Ali Hersi



Mrs. Suhad Al Qouqah

A blue-tinted photograph of graduates in caps and gowns celebrating with confetti falling around them. The graduates are looking up and cheering. The image is overlaid with a semi-transparent blue layer.

COLLEGE OF ENGINEERING GRADUATION CEREMONY









COLLEGE OF ENGINEERING GRADUATION SPEECH

GRADUATION SPEECH



Khaznah Fahad AlAzmi

*Bachelor of Technology
Mechanical Engineering Graduate*

Good evening esteemed faculty, honored guests, family, friends, and my fellow graduates.

As I stand before you, I am filled with a profound sense of gratitude, pride, and hope. It is an honor to represent this incredible class of talented, resilient, and determined individuals. Each one of us has traveled a unique journey to be here tonight, and for me, that journey can only be described as a long-awaited opportunity, a renewed hope, and a relentless pursuit of a dream.

In the past few years, AU has become more than just a place to study; it has truly been my second home as I was guided by professors, who showed me patience and expertise, and classmates who became dear friends and offered me constant support in every late night spent in labs and study rooms. In every step of the way, I learned that dreams are worth fighting for, no matter how many setbacks I face, and each experience taught me that it doesn't matter how many times you fall as long as you rise again.

To my beloved family, thank you for being an unwavering support system. Mum and dad, your love and guidance have fueled my strength to pursue my dreams. To my brothers and sisters, your encouragement and your faith in me unleashed unlimited determination. Each one of you has played a vital role in my journey, reminding me that I am never alone. I am forever grateful for your love and sacrifices.

To our esteemed faculty, thank you for challenging us, inspiring us, and never letting us settle for anything less than our best.

As we leave today, let us carry with us the lessons, friendships, and the strong spirit that brought us here. Our graduation is not the end of a chapter; it is the beginning of something extraordinary. Let us all get ready to build a better world with the knowledge, skills, and heart that this university nourished.

To my fellow graduates, we made it! Let us celebrate this achievement together. Class of 2024, congratulations! This is our moment, make it count!

Thank you.



COLLEGE OF ENGINEERING

2023 - 2024 GRADUATES



BACHELOR OF TECHNOLOGY

CIVIL ENGINEERING GRADUATES



Mohammad Khaleel Bo Arki
Bachelor of Civil Engineering



Lina Mohammed AbdelJawad
Bachelor of Civil Engineering



Miryan Nabil Sweid
Bachelor of Civil Engineering



Ahmad Humoud AlRashidi
Bachelor of Civil Engineering



Norah Jassim AlHomoud
Bachelor of Civil Engineering



Ali Mohammad AlSarraf
Bachelor of Civil Engineering



AlBandari Marzouq Ojail
Bachelor of Civil Engineering



Anfal Mohammed AlJazzaf
Bachelor of Civil Engineering



Arwa Hamad AlHarbi
Bachelor of Civil Engineering



Athari Motlaq AlRasheedi
Bachelor of Civil Engineering



Badriah Meshari AlShati
Bachelor of Civil Engineering



Dana Mohamad Mousstafa
Bachelor of Civil Engineering



Fadak Ahmed AlQallaf
Bachelor of Civil Engineering



Fatemah Abdullah Akbar
Bachelor of Civil Engineering



Fatemah Abdullah AlZuabi
Bachelor of Civil Engineering



Fatma Reyadh AlOun
Bachelor of Civil Engineering



BACHELOR OF TECHNOLOGY

CIVIL ENGINEERING GRADUATES



Fatmah Dawoud AlHadad
Bachelor of Civil Engineering



Fouz Meshal AlThafiri
Bachelor of Civil Engineering



Hawra Hussain Malek
Bachelor of Civil Engineering



Haya Shaker AlMaghrebi
Bachelor of Civil Engineering



Hessah Abdullah AlNagah
Bachelor of Civil Engineering



Jenan Naser AlBoloushi
Bachelor of Civil Engineering



Kenda Omar Al Ainawi
Bachelor of Civil Engineering



Latifah Mohammad AlHouli
Bachelor of Civil Engineering



Lujain Meshari AlSalem
Bachelor of Civil Engineering



Malak Askar AlEnezi
Bachelor of Civil Engineering



Manayer Saleh Zeyab
Bachelor of Civil Engineering



Maryam Abdulaziz Thani
Bachelor of Civil Engineering



Noor Bader AlSrayea
Bachelor of Civil Engineering



Noryah Saeed AlQabandi
Bachelor of Civil Engineering



Nourah Adel AlKandari
Bachelor of Civil Engineering



Nourah Khaled AlHarbi
Bachelor of Civil Engineering



BACHELOR OF TECHNOLOGY

CIVIL ENGINEERING GRADUATES



Rawan Fahad AlDeehani
Bachelor of Civil Engineering



Reem Ayed AlEnezi
Bachelor of Civil Engineering



Sabiha Ali AlZalalah
Bachelor of Civil Engineering



Shaikhah Abdullah AlHassan
Bachelor of Civil Engineering



Sherifa Meshal Borhamah
Bachelor of Civil Engineering



Shooq Saleh AlFadaghi
Bachelor of Civil Engineering



Ward Meshal AlOtaibi
Bachelor of Civil Engineering



Zahra Abdullah AbdulGhafour
Bachelor of Civil Engineering



Zaynab Mohammad Jehan Bin
Bachelor of Civil Engineering



Bader Naser AlRasheedi
Bachelor of Civil Engineering



Barrak Mazen AlBraikan
Bachelor of Civil Engineering



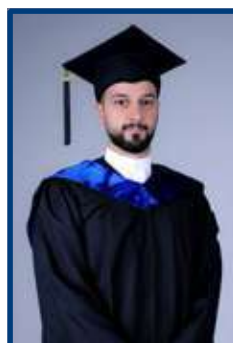
Edris Ahmad AlDousari
Bachelor of Civil Engineering



Fahad Osama AlSayegh
Bachelor of Civil Engineering



Hamad Bader AlMaas
Bachelor of Civil Engineering



Mansour Salah AlShatti
Bachelor of Civil Engineering



Salah Jassim AlShammari
Bachelor of Civil Engineering



BACHELOR OF TECHNOLOGY

CIVIL ENGINEERING GRADUATES

Abdualla Jalal Abdualla Jamal
Afnan Ali Alabdi AlMutairi
Afraha Fahad Dhaidan Abuadl
Ahmad Hassan Nasrallah
Ahmad Mohammad Hussain Gholoum
Aiedh Adel Aiedh AlRashidi
Aishah Eid Mefarreh AlMayyas
Atyaf Mohammad Shnaifi AlAjmi
Bader Naser Ayed AlRasheedi
Barrak Mazen Khaled AlBraikan
Bazah Abdullah Abdullateef AlKhayat
Fatmah Abdullah Hussain Ali
Habeab Khaled Mohammad AlKandari
Hamad Bader Hamad AlMaas
Hessah Abdullah Ahmad AlNagah
Manayr Adnan Saud AlShammari
Mariam Issa Ahmad Mohammad
Maryam Khaled Yaqoub AlShaheen
Rahaf Sabah Abdullah AlMhana
Rawan Fahad Sanat AlDeehani
Sabiha Ali Sayed Murtadha AlZalzalah
Sarah Salah Faisal Yousuf
Sherifa Meshal Yaqoub Borhamah
Tawfik Mohamad AlSsaied Moustafa
Thamer Saad Thamer AlAzmi
Turki Khaled Abbas AlNoomes
Yousef Abdulatif Mohammad AlOnaizi
Zainab Faisal Ahmed AlShatti
Zainab Hani Abdulaziz Jamal
Abdulaziz Othman Khaled AlDayel
Abdullah Mohammad Saud Zamanan
Ali Mohammad Ahmad AlSarraf
Anfal Mohammed Abdullah AlJazzaf
Arwa Hamad Ghazi AlHarbi
Athari Motlaq Humoud AlRasheedi
Bader Hamad Abdulhameed Buqrais
Badriah Meshari Eissa AlShati
Dana Mohamad Alsaaid Mousstafa
Danah Waleed Ghareeb AlKanderi
Dunya Bader Khalil AlJarki

Ebrahim Ahmad Ebrahim Ramadhan
Edris Ahmad Edris AlDousari
Elaf Fayez Sulaiman AlDhayan
Fadak Ahmed Mohammed AlQallaf
Faisal Ahmad
Fatimah Abdullah Abdulrahman Akbar
Fatimah Abdullah Hassan AlZuabi
Fatma Reyadh Eissa AlOun
Fatmah Dawoud Sulaiman AlHadad
Fouz Meshal Turki AlThafiri
Hawra Hussain Basheer Malek
Haya Shaker Taha AlMaghrebi
Kenda Omar Al Ainawi
Lina Mohammed Lutfi AbdelJawad
Lujain Meshari Salem AlSalem
Manayer Saleh Ahmed Zeyab
Mansour Salah Mansour AlShatti
Mariam Ali Sulaiman AlYoooha
Maryam Abdulaziz Eid Thani
Mohammad Fadhel Mostafa Khalaf
Mona Sultan Meteib Mnahy
Munirah Amer Khlaif Hajar
Noor Bader Abdulrahman AlSrayea
Noor Mubarak Reden AlFartaj
Norah Jassim Ahmad AlHomoud
Noryah Saeed Ali AlQabandi
Nourah Adel Ahmad AlKandari
Nourah Khaled Mohammad Zabar AlHarbi
Reem Ayed Habbas AlEnezi
Salah Jassim Badi AlShammari
Shaikhah Abdullah Saleh AlHassan
Shooq Saleh Abdullah AlFadaghi
Talal Meshal Abdulghfour Tifoni
Zahra Abdullah Mohammad AbdulGhafour
Zaynab Mohammad Jehan Bin
Abdulmohsen Khaled Abbas AlNomas
Abdulrahman Abdulhadi Awadh AlAjmi
Ahmad Humoud Motlaq AlRashidi
Ahmad Mohammad Saqer AlKhaldi
AlBandari Marzouq Helil Ojail

Ali Mahmoud Ali Rasheed
AlJazi Ahmad Salem AlAzmi
Alyaa Saleh Suwayed AlRashidi
Dhoha Khaled Abdullah AlShatti
Fahad Osama Jawad AlSayegh
Ghazlan Mohammad Ahmad AlMesbah
Hussain Adel Ebrahim AlSalman
Jenan Naser Hussain AlBoloushi
Latifah Mohammad Abdulwahab AlHouli
Malak Askar Owayed AlEnezi
Mariam Mohammad Abdulkareem AlOmran
Miryan Nabil Sweid
Mohammad Khaleel Ebrahim Bo Arki
Mohammed Abdullah Eid Abdullah
Monaerah Abdulaziz Sulaiman AlModahkah
Nejood Ghareeb Fahad AlMutairi
Saud Fawaz Jamaan AlAzmi
Ward Meshal Abdullah AlOtaibi



BACHELOR OF TECHNOLOGY

ELECTRICAL & ELECTRONICS ENGINEERING GRADUATES



Mahmoud Adnan Zayed
Bachelor of Electrical & Electronics
Engineering



Ahmad Husain AlMutawa
Bachelor of Electrical & Electronics
Engineering



Abdulaziz Osama Nasser
Bachelor of Electrical & Electronics
Engineering



Ali Fahad AlKhatib
Bachelor of Electrical & Electronics
Engineering



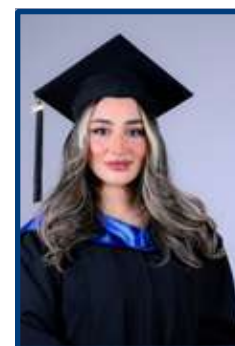
Ali Meshal Sabti
Bachelor of Electrical & Electronics
Engineering



Suliman Saleh Ali
Bachelor of Electrical & Electronics
Engineering



Amnah Khulaif AlDhafeeri
Bachelor of Electrical & Electronics
Engineering



Atyab Mohammed Khalefa
Bachelor of Electrical & Electronics
Engineering



Danah Humoud AlEnezi
Bachelor of Electrical & Electronics
Engineering



Esraa Abdulaziz Atiyeh
Bachelor of Electrical & Electronics
Engineering



Fahdah Nahar AlKhaledi
Bachelor of Electrical & Electronics
Engineering



Fajer Jassim AlMutairi
Bachelor of Electrical & Electronics
Engineering



Fatemah Mahmoud Hasan
Bachelor of Electrical & Electronics
Engineering



Jumanah Saad AlSharar
Bachelor of Electrical & Electronics
Engineering



Kareemah Sami Ali
Bachelor of Electrical & Electronics
Engineering



Laila Abdullah Zadah
Bachelor of Electrical & Electronics
Engineering



BACHELOR OF TECHNOLOGY

ELECTRICAL & ELECTRONICS ENGINEERING GRADUATES



Maryam Mohammad AlOtaibi
Bachelor of Electrical & Electronics
Engineering



Salma Faraj Matbeqi
Bachelor of Electrical & Electronics
Engineering



Sarah Abdullateef AlEnezi
Bachelor of Electrical & Electronics
Engineering



Zainab Adel Abdullah
Bachelor of Electrical & Electronics
Engineering



BACHELOR OF TECHNOLOGY

ELECTRICAL & ELECTRONICS ENGINEERING GRADUATES

Abdalrazzaq Sabeh Mejbel AlEnezi
Abdulhamid Meshari Abdulhamid AlArbash
Abdullah Khaled Ali Madouh
Abdullah Saud Abdullah AlYaqoub
Ahmad Abdullah Abdulredha Qasem
Ali Meshal Abdullah Sabti
Amro Adel Abdelkarim Abdelmoti Mabrouk
Esraa Abdulaziz Mashaan Atiyeh
Fahdah Nahar Mashaan AlKhaledi
Fatimah Mahmoud Haji Hasan
Osamah Abdulrazzaq Mohammad AlHaji
Salem Abdullah Salem AlAjmi
Suliman Saleh Sahhaf Ali
Zahra Amanollah Haji
Zainab Adel Hussain Abdullah
Abdulaziz Osama Abed-Al-Latef Nasser
Abdullah Saad Abdullah AlKandari
Ahmad Husain Abdulghani AlMutawa
Ali Abdulkareem Naser AlJufaira
Amnah Khulaif H AlDhafeeri
Atyab Mohammed Jassem Khalefa
Danah Humoud Aber AlEnezi
Fahad Jazzaa Fahad AlEnezi
Fares Humoud Helal AlMutairi
Fatimah Fahad Eissa Boshehri
Haya H. Z. Sammour
Jumanah Saad Zayed AlSharar
Khaled Salem Naser AlAzemi
Mahmoud Adnan Zayed
Maryam Bader Abdulwahab AlShatti
Maryam Mohammad Ghaleb AlOtaibi
Rahmah Salem Abdulmohsen AlMarri
Salma Faraj Salem Matbeqi

Sarah Abdullateef Saleh AlEnezi
Shaheen Abdullah Mohammad AlHusaini
Ali Fahad Naser AlKhatib
Fajer Jassim Radhi AlMutairi
Ghadeer Emad Shaker Dashti
Kareemah Sami Homoud Ali
Khaled Abdullateef Sulaiman AlFahad
Khaled Abdulwahab Hamad AlBeshi
Laila Abdullah Mohammad Zadah
Mohammed Ahmad Haji Lari
Naif Mohammad Naif AlOtibi
Nasser Mohammad Eissa AlMousawi
Yousef Khaled Mohammad AlHajri



BACHELOR OF TECHNOLOGY

MECHANICAL ENGINEERING GRADUATES



Khaled M. Sarhan
Bachelor of Mechanical Engineering



Abdullah Hussain Mohammed
Bachelor of Mechanical Engineering



Khaznah Fahad AlAzmi
Bachelor of Mechanical Engineering



Sayed Abbas Fadhel Ali
Bachelor of Mechanical Engineering



Hussain Mahdi Abbas
Bachelor of Mechanical Engineering



Adnan Mohammad AlOstad
Bachelor of Mechanical Engineering



Ahmed Thafer Kittaneh
Bachelor of Mechanical Engineering



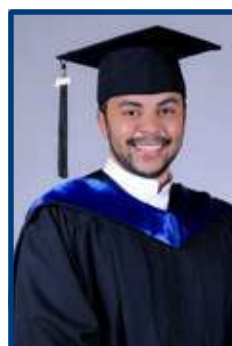
Ali Essam AlMomen
Bachelor of Mechanical Engineering



Ali Mahmoud Behbehani
Bachelor of Mechanical Engineering



Ali Mohammad AlAsousi
Bachelor of Mechanical Engineering



Ghazi Faisal AlSharrah
Bachelor of Mechanical Engineering



Hamad Abdullah AlMusaibeeh
Bachelor of Mechanical Engineering



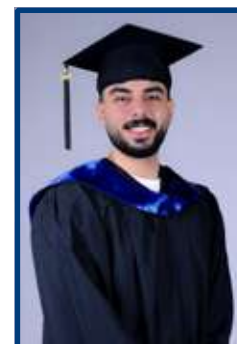
Hamad Mohammed AlShayji
Bachelor of Mechanical Engineering



Jassem Khaled AlMudhaf
Bachelor of Mechanical Engineering



Khaled Abdulrahman AlDhefiri
Bachelor of Mechanical Engineering



Mohamed Jasim AlSulaiman
Bachelor of Mechanical Engineering



BACHELOR OF TECHNOLOGY

MECHANICAL ENGINEERING GRADUATES



Mohammad Adnan Ajeel
Bachelor of Mechanical Engineering



Mohammad Nezar AlWathiqi
Bachelor of Mechanical Engineering



Mohammad Suliman AlEnezi
Bachelor of Mechanical Engineering



Muhammad Wael AlHashash
Bachelor of Mechanical Engineering



Nasser Sami AlSaidan
Bachelor of Mechanical Engineering



Oussama El Khatib
Bachelor of Mechanical Engineering



Ramzi Raed Amad
Bachelor of Mechanical Engineering



Saied Mohamed Solayee
Bachelor of Mechanical Engineering



Sulaiman Yaqoub AlHuraibi
Bachelor of Mechanical Engineering



Yousif Ali AlDousari
Bachelor of Mechanical Engineering



Areej Mohammad Alamdar
Bachelor of Mechanical Engineering



Awdah Mousa AlOstad
Bachelor of Mechanical Engineering



Elaf Haitham AlAwadh
Bachelor of Mechanical Engineering



Fanar Motlaq AlMutairi
Bachelor of Mechanical Engineering



Fatemah Sami AlMasoud
Bachelor of Mechanical Engineering



Fatimah Khaled Shamoh
Bachelor of Mechanical Engineering



BACHELOR OF TECHNOLOGY

MECHANICAL ENGINEERING GRADUATES



Haya Saleh Bughaith
Bachelor of Mechanical Engineering



Jenan Jassim Awadh
Bachelor of Mechanical Engineering



Khawlah Jaber Sadeq
Bachelor of Mechanical Engineering



Kholood Salem AlBader
Bachelor of Mechanical Engineering



Latefah Tareq AlGhanem
Bachelor of Mechanical Engineering



Layla Taleb Karam
Bachelor of Mechanical Engineering



Marwah Mohammad AlKandari
Bachelor of Mechanical Engineering



Maryam Mohammad Mesaieed
Bachelor of Mechanical Engineering



Nouran N. Mahmoud
Bachelor of Mechanical Engineering



Razan Magdy Hamouda
Bachelor of Mechanical Engineering



BACHELOR OF TECHNOLOGY

MECHANICAL ENGINEERING GRADUATES

Abdulaziz Osamah Abdulaziz AlKhudher
Abdullah Faihan Mohammad AlOtaibi
Abdullah Owayed Motlaq AlMutairi
Abdullah Tareq Abdullah AlMershed
Abdulrahman Khaled Fahad AlOtaibi
Ahmed Thafer Jamal Kittaneh
Ali Essam Hamad AlMomen
Ali Hossein Janadeleh
Ali Mohammad Ghuloum Ashkanani
Ali Saad Hadaad AlFadhli
Aljazi Khaled Ahmad AlRaqam
Ameena Abdullah Khaled AlFailakawi
Areej Mohammad Fadhel Alamdar
Dalya Khaleel Abd AlNabi Khajah
Fahad Abdulaziz Saad Shunaiber
Fahad Mohammad Rashed AlAjmi
Fawaz Sabah Ta'amah Saleh AlKhaledi
Jalal Salem Khudhur AlAdwani
Jenan Jassim Hussain Awadh
Khaled Abdulrahman Matar AlDhefiri
Khaled M. K. Sarhan
Khawlah Jaber Majeed Sadeq
Meshari Adel Hussain AlHamed
Meshari Farhan Abdulrahman AlDaihani
Mohammad Abdulrahman Faraj AlAzmi
Mouath Omar Ebrahim AlAwadhi
Muhammad Wael Muhammad AlHashash
Nasser Sami Hamad AlSaidan
Nouran N. Sh. Mahmoud
Omar Yousef Habeeb AlMonawer
Oussama El Khatib
Razan Magdy Ahmed Eissa Hamouda
Saied Mohamed Awad Solayee
Salem Mohammad Abdullah AlZofiri
Saud Farraj Saud AlSubaei
Yousif Yaqoub Yousif AlEssa
Abdulaziz Mohammad Muhaya AlDihani
Abdulaziz Naif Abdullah AlHarbi
Abdulaziz Salem Mohammed AlHubail
Abdullah Hussain Khalaf Mohammed

Abdullah Jassim Abdulredha AlBoloushi
Abdullah Jelowi Fahad AlAjmi
Abdullah Mohammed Mefreh AlAzmi
Adnan Mohammad Hasan AlOstad
Ahmad Abdullah Barakah AlMutairi
Ahmad Adnan Mustafa AlAli
Ali Hossam Mohammed AlKoot
Ali Mahmoud Ali Behbehani
Ali Mohammad Rashed AlAsousi
Bader Naser Rashed AlHajri
Dana Atef Eid Yousef
Elaf Haitham Ahmad AlAwadh
Fonar Motlaq Saud AlMutairi
Fatimah Sami Obaid AlMasoud
Fatimah Khaled Abdulkareem Shamoh
Ghazi Faisal Yousef AlSharrah
Hamad Abdullah Khalil AlMusaibeeh
Hamad Meshal Hussain AlKhalifah
Hamed Redha Ali Hasan
Haya Saleh Abdullah Bughaith
Humoud Hamad Mohammad AlDihani
Hussain Mahdi Hussain Abbas
Jassem Khaled Jassem AlMudhaf
Khaled Ahmad Khalil AlAli
Khaznah Fahad Shuwaimi AlAzmi
Kholood Salem Bader AlBader
Latefah Tareq Mohammad AlGhanem
Latifah Bader Jassem AlFailakawi
Mahmoud Hamed Mahmoud Qabazard
Marwah Mohammad Ghuloum AlKandari
Mohamed Jasim M. AlSulaiman
Mohammad Jawad Abdullah AlHerz
Mohammad Muneer Hasan Bahbahani
Mohammad Nezar Ali AlWathiqi
Mohammad Omar Mohammad AlKandari
Mohammad Sami Sanad AlMatar
Moudhi Mefarreh Tahous AlOtaibi
Naser Dlaim Thayer AlOtaibi
Omar Khaleel Awwad AlAzmi
Saleh Hasan Farhoud AlAjmi

Saud Hejab Saud AlAjmi
Saud Mohammad Shuaifan AlDoussari
Sayed Abbas Fadhel Sayed Ali
Shouq Naser Bader Muhammad
Sulaiman Yaqoub Yousef AlHuraibi
Taibah Fahad Amaom AlAzmi
Yousif Ali Najem AlDousari
Abdulaziz Emad Abduljabar AlSayyar
Abdullah Bader Abdullah AlKefeef
AlMaha Hussain Mohammad AlMohaitib
Awdah Mousa Abdullah AlOstad
Hamad Mohammed Fahad AlShayji
Husain Mousa Awadh AlShatti
Ibrahim Rajab Hasan AlAnsaree
Khaled Ahmad Abdullah Abdulrahim
Khaled Talal Sulaiman AlKhaldy
Layla Taleb Mohammad Karam
Maryam Mohammad Hafiz Mesaieed
Mohammad Abdullah Yousef Ghuloum
Mohammad Adnan Mohsen Ajeel
Mohammad Ibrahim Mohammad AlShatti
Mohammad Jaafar Murtadha Abdullah
Mohammad Naser Mohammad AlMutairi
Mohammad Suliman Khalifa AlEnezi
Mohammad Wael Mostafa Ben Yousif
Mohammed Hasan Mahmoud Kareem
Ramzi Raed Amad
Saad Khaled Saad AlHajeri
Saleh Abdulhameed Salem Bin Salem
Shahad Yaqoub Abadi AlMajadi
Shaikhah Muhammad Suliman AlRashidi
Turky Basem Mamdouh AlEnezi



BACHELOR OF TECHNOLOGY

PETROLEUM ENGINEERING GRADUATES



Layan Faris AlAnazi
Bachelor of Petroleum Engineering



Fadeela Faisal AlMohsen
Bachelor of Petroleum Engineering



Fahad Bader AlEwees
Bachelor of Petroleum Engineering



Humoud Waleed AlWasm
Bachelor of Petroleum Engineering



Mohammad Bader AlAzemi
Bachelor of Petroleum Engineering



Naser Khaled AlDhuwahi
Bachelor of Petroleum Engineering



Salem Haitham Mohammad
Bachelor of Petroleum Engineering



Thunayan Zayed AlObaid
Bachelor of Petroleum Engineering



Youssef Amr Hassan
Bachelor of Petroleum Engineering



Abeer Radwan Fawaz
Bachelor of Petroleum Engineering



Aishah Mohammad AlAli
Bachelor of Petroleum Engineering



AlAnoud Ali AlBassam
Bachelor of Petroleum Engineering



Azoub Ahmed AlMutairi
Bachelor of Petroleum Engineering



Dalal Ali AlRashedi
Bachelor of Petroleum Engineering



Dhuha Abdullah Binobaid
Bachelor of Petroleum Engineering



Esraa Makki Hasan
Bachelor of Petroleum Engineering



BACHELOR OF TECHNOLOGY

PETROLEUM ENGINEERING GRADUATES



Fatmah Ahmad AlBouhasan
Bachelor of Petroleum Engineering



Fotoun Bader AlAtwan
Bachelor of Petroleum Engineering



Ghadeer Saud AlOtaibi
Bachelor of Petroleum Engineering



Kawther Abdulredha Mohammed
Bachelor of Petroleum Engineering



Marwah Sadeq AlNajjar
Bachelor of Petroleum Engineering



Maryam Abdullah AlRashed
Bachelor of Petroleum Engineering



Maryam Mohammad AlRashidi
Bachelor of Petroleum Engineering



Namareq Saleh Ali
Bachelor of Petroleum Engineering



Rawan Abdullah Burhamah
Bachelor of Petroleum Engineering



Shahd Salem AlQatan
Bachelor of Petroleum Engineering



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PETROLEUM ENGINEERING GRADUATES

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Abdullah Nasser Abdullah AlEnezi
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Abeer Radwan Fawaz
Ali Mohammad Khalaf AlRamzy
Ammar Yahya Yousef Hussain
Dalal Ali Hazzaa AlRashedi
Danah Nabeel Yaqoub Halawah
Fahad Bader Abdulaziz AlEwees
Ghadeer Saud Bader AlOtaibi
Mansour Hussain Ali Abbas
Marwah Sadeq Mohammad AlNajjar
Meshal Talal Helal AlRoumi
Moath Wael Saad AlAsaq
Mohammad Bader Aayed AlAzemi
Negoud Abdullah Lamaan AlAjmi
Rawan Abdullah Yaqoub Burhamah
Yusuf Ghazi Abdullah AlMatouq
Ahmad Abdulsalam Ahmad AlMesfer
Ahmad Mohammad Hamad AlAjmi
Aishah Mohammad Mnahi AlAli
Ali Bassam Abdulaziz AlAbdalmanam
Dhuha Abdullah Eid Binobaid
Esraa Makki Assaf Hasan
Fadeela Faisal Mohammad AlMohsen
Faisal Abdulrahman Ahmad AlBalool
Fatmah Ahmad Abdulmajeed AlBouhasan
Fotoun Bader Helal AlAtwan
Humoud Waleed Khaled AlWasmi
Janan Jamal Hussain Kassim
Kawthar Sadeq Ahmad Mairza
Kawther Abdulredha Koozad Mohammed
Layan Faris H AlAnazi
Maryam Mohammad Emhadi AlRashidi
Namareq Saleh Eid Ali
Naser Khaled Sudan AlDhuwahi
Salem Haitham Ramadhan Ali Mohammad
Sarah Ajeel Abdullah Salah
Youssef Amr Abdelaal Hassan
Abdullah Abdulaziz Mohammad AlRabaie

AlAnoud Ali Naser AlBassam
Azoub Ahmed Eid AlMutairi
Faisal Abdulaziz Ali AlMuwail
Ghaliah Khaled Humoud AlKhalidi
Gomanah Husam Ghali AlKhussaili
Hassan Abdulla Essa AlBloushi
Laila Ammar Ali Esmail
Maryam Abdullah Eissa AlRashed
Maryam Shafeeq Ameen AlAwadhi
Mohammad Khaled Ebrahim Salmeen
Mohammed Mubarak Mousa AlBeloushi
Norah Ahmad Esmaeil Eshaq
Othman Khaled Ali AlSebaiei
Salem Rsheed Faleh AlRsheed
Shahd Salem Ibrahim AlQatan
Shahed Jassim Mubarak AlQahatani
Thunayan Zayed Saleh AlObaid
Yousef Khalifah Yousef AlMunaie





DIPLOMA OF CIVIL ENGINEERING GRADUATES



Fatema Anas Awad
Diploma of Civil Engineering



Salman Dawood AlEidan
Diploma of Civil Engineering



Fatimah Abdulwahab Behbehani
Diploma of Civil Engineering





DIPLOMA OF **CIVIL ENGINEERING GRADUATES**

Abdalaziz Fahad Assaf AlMutairi
Abdullah Adel Mohammad AlShaalan
Abdullah Khaled Salem AlMejren
Abdullah Saud Eshewi AlDhafeeri
Abdulrahman Mohammad AlWehaidah
Abdulrahman Saud Thamer AlAzemi
Abdulwahab Jamal - AlHamid
Ahmad Khalid Hassan Galban
Ahmad Meshal Bandar AlMutairi
AlZahraa Jamal Hussain AlDurai
Bader Saud Abdullah AlJadei
Basam Salem Tahous AlQahtani
Dana Rafat Mostafa Saleem Zeedan
Eiman Abdulaziz Dakheel AlMoraikhi
Fahad Bader Sulaiman AlDhaihani
Fatema Anas Awad
Hajer Hasan Mohammad AlDousary
Haya Abdullah Eid Abdullah
Jarah Meshal Obaid AlDaihani
Khaled Obaid Salman AlMutairi
Khaled Waleed Yahya AlYahya
Mahmoud Ali Mahmoud Dashti
Maryam Habeeb Mohammad AlWayel
Maryam Hasan Ali AlJadi
Mefreh Sattam Mefreh AlHarbi
Meshal Nayef Mefleh AlRashidi
Mohamed Abdirahman Mohamed Hassan
Mohammad Adel Jassim Bonashi
Mohammad Yaser Mohammad Buabbas
Mubarak Abdullah Mubarak Badah
Munirah Fahad Mohammad AlZeabi
Omar Ahmad Abdullwahab AlRefaei
Raghad Faisal Abdullah Sadeqi
Raghd Jassem Mohammad AlMatrouk
Randa Manaf Mohammad Yasin
Rashed Ali Rashad Rashed
Samah Khaled Mubarak Alobaidan AlAzemi
Shahad Mahmoud Hamad AlShetaili
Wdhah Salah Masoud AlHamlan
Abdulhadi Abdullah Abdulhadi AlShalahi

Abdullah Eissa Abdullah AlJanna
Abdullah Emad Jabr AlRashidi
Abdullah Fahad Ebrahim AlDousari
Abdullah Jaber Abdullah AlAbdali
Abdullah Mohamad AlHabcheh
Ali Abdullah Ali AlMweel
Ali Abdullah Hasan AlMousawi
Ali Jaber Ali Mandani
Bader Abdalnaser AlMesfer
Badriya Khaled Khalaf
Dareen Waleed Khaled AlWasmi
Essa Hammoud
Fatimah Abdullwahab Behbehani
Fayez Dhaidan Slubi AlMutairi
Gerges ElGamal Sedra Ibrahim
Ghazi Dahal Noman AlHarbi
Ghzlan Jassim Radhi AlMutairi
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Hasan Abdulmohsen AlSarraf
Hasan Ali Meshaal Mahmoud
Hashem Faisal Eissa Redha
Janan Hani Mohammad Ashkanani
Jarallah Mohammad Manea AlAjmi
Joud Mejbel Ebaid AlRashidi
Khaled Abdullah AlDousari
Khaled Mohammad Ahmad AlAnsari
Madhi Saad Madhi AlAzemi
Mahdey Salem Mahdey AlHebaini
Maryam Ali Abdulrazzaq Ali
Mohammad Fares Saleh AlDaihani
Mohammed Mahmoud K Buzaid
Naser Salem Hamdan AlAzmi
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Nour Jaser Flaifel AlFadhli
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Retaj Adel Duaij AlKhashan
Ruqaia Adnan Nasser AlEleewi
Saadoun Khalaf Ibrahim AlSaadoun
Salman Dawood Salem AlEidan
Saood Hamad Braidan AlAzmi

Sayed Hussain Mahmoud Mazed
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Abdulaziz Mohammad Ghazi AlMutairi
Abdullah Masoud Abdullah AlMasoud
Abdullah Mishaal Najem AlNeamah
Ahmad Eid Mohammad AlAzemi
AlBatool Mohammad Ghuloum
Ali Yousef Ali AlSahel
Amar Fares Saleh AlDaihani
Amnah Mohammad AlSedrah
Ayedh Yousef Ayedh AlAzemi
Danah Ahmad Omar Ameen
Ebrahim Mohammad Ali Mansour
Fahad Mohammad Abdullah AlQattan
Ghalya Nawaf Ghareeb AlEnezi
Hamad Talal Mohammad AlFadhli
Hasan Abdulaziz Baqer AlMousawi
Hmdan Ali Hmdan AlAzemi
Khaled Ali Abdullah AlRashed
Khaled Owayed Mesbeh AlAzemi
Khaled Qasem Hamdan AlAzemi
Latifah Hasan Ali AlJreesi
Mariam Hussain Saleh AlQaffas
Matar Mohammad Matar AlHajeri
Mathayel Barghash Fahad AlMutairi
Modhy Jassim Mohammad AlMaghreby
Mohammad Abdulaziz Jassem AlHaidar
Mohammad Amad Baqer Jaafar
Mohammed Naser Ghloum Mohammed
Muna Ahmad Fuad AlBazzaz
Naser Bader Braijan AlHees
Nwaf Yousef Mohammad AlBathali
Tlal Mohammad Dahham AlRsheidi
Yousef Saad Zaid AlMutairi



DIPLOMA OF **ELECTRICAL & ELECTRONICS ENGINEERING GRADUATES**



Safeya Mahmoud Katan
Diploma of Electrical & Electronics
Engineering



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Diploma of Electrical & Electronics
Engineering



Hanan Fawaz AlMutairi
Diploma of Electrical & Electronics
Engineering



Jood Alaa AlShaikh
Diploma of Electrical & Electronics
Engineering



Bader Helal AlBader
Diploma of Electrical & Electronics
Engineering



Ibrahim Abdulhakeem Ibrahim
Diploma of Electrical & Electronics
Engineering



DIPLOMA OF

ELECTRICAL & ELECTRONICS ENGINEERING GRADUATES

Abdulrahman Kh M M Sarhan
Ali Abdulredha Ahmad AlSahaf
Anwar Motlaq Hejab AlMutairi
Anwar Rashed Mutair AlBathali
Ayah Ahmad Omar AlEnezi
Fahad Salman Saud AlAzemi
Faisal Najem Abdullah AlSeweelem
Mohammad Abdulhameed Ayoub AlAswad
Mohammad Naser Ahmad AlMahboob
Mouhanad Mikhail Dargham
Safeya Mahmoud Jamal Katan
Salem Nabil Sweid
Abdulaziz Abdullah Meslet AlOtaibi
Abdulaziz Jawad Hussain AlHaddad
Abdullah Yousef Abdullah AlShaddad
Ahmad Khaled Ali Alkhulaifi
Ahmad Meshal Ahmad AlAbbasi
Ahmed Saad N AlAzmi
Ali Hammad Ghazzai AlMaymouni
Ali Jassim Ali Bin Ali Redha
Arwa Hamad Hamed AlFzee
Athbi Saad Shebeeb AlAzmi
Dhari Meshari Kamel AlSarraj
Fahad Bader Mohammad AlHadhood
Faisal Abdullah Ghareeb Hasan
Faisal Ahmad Farhan AlNwayem
Fawaz Faisal Bader AlRomi
Faysal Mohammad Awadh AlMutairi
Hajar Khaled Malallah Malallah
Hanan Fawaz Naser AlMutairi
Hasan Hemsh
Hassan Lafy Sugban Sulaiman
Ibrahim Abdulhakeem Alem Shah Ibrahim
Jood Alaa Rashed AlShaikh
Laileiah Mubarak Hajraf Haif
Mahdi Saleh Ali AlRashid
Mahmood Khaled Mahmood Ahmady
Mohammed Khaled Mohammed AlBesher
Naser Abdullah Naser AlHayyan
Saleh Abdulwahad Abdulkhoder AlKhabbaz

Salem Fahad Salem AlAjmi
Sara Ahmad Rasheed AlMutairi
Saud Eshaq Abdulraheem AlKandari
Shahad Mohammad Fadhel AlShammari
Shaymaa Radhi Ghadeer Thajeb
Suleman Mian Zeeshan Hassan
Yousiff Ahmad Merwi AlHadeyah
Abdulaziz Adel Mohammad Ghuloum
Abdulaziz Hamad Abdulquddus Zadah
Abdulaziz Jassim Mohammad AlQahtani
Abdullah Mohammad Jaafar AlAli
Abdullah Waleed Ali AlAskar
Bader Abdulhameed Salem AlEnzi
Bader Helal Saeed AlBader
Bandar Abdulkareem Shamekh AlRashidi
Ebraheem Naji Ebraheem AlHardan
Faisal Mansour Abdulaziz AlMatook
Hashem Ahmad AbdalKhudhur Khadadah
Hussain Abdulmohsen Karam Shehab
Khaled Mohammad Motlaq AlSubaei
Maen Subah Abdullah AlHubail
Mobina Gholamreza Salehi Mourkani
Mohamad Ayman Mohamad Al Ali
Mohammad Abdullah Heraimel AlOtaibi
Mohammad Batel Abdullah AlMutairi
Mohammad Tareq Barakah AlMutairi
Mohammed Essam Abdullatif Saif
Omar Hussain Mohammad AlShammari
Osamah Mohammad Matar AlMutairi
Salem Ahmad Salem AlGhareib
Salem Ayesh Saleh AlRashidi
Sherifa Jassim Abdullah AlRefai
Sulaiman Tareq Sulaiman AlMansour
Youssef Abdullah Naser AlAjmi



DIPLOMA OF **MECHANICAL ENGINEERING GRADUATES**

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Abdullah Fahad Amer AlAjmi
Abdullah Lafi Abdullah AlDeehani
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Abdullah Nawaf Abdi AlEnezi
Abdulrahman Khaled Fuad AlBaghdadi
Abrar Makki Assaf Hasan
Abulrahman Abdullah AlHumoud
Ahmad Tareq Hamed AlMeer
AlHwraa Mahmoud Awadh AlShatti
Ali Nasser Rashed AlAjmi
AlWaleed Khaled Humoud AlHajeri
Bandar Ali Salem AlHajri
Bandar Fahad Bandar AlOtaibi
Faisal Salem Khalaf AlMutairi
Fatma Abdullah Jassim Hasan
Husain Ayoub Mohammad Madi
Majed Mustafa Hasan Abed AlJawad
Meshal Mohammad Fahad AlOtaibi
Mohamed Tarek Mohamed Anwar Aly
Mohammad Hussain Barrak AlDouser
Mohammad Mubarak Saud AlAjmi
Mohammad Naser Taher Zadeh
Mohammed Meadhed Mefleh AlOtaibi
Rashed Saad Salman AlHajeri
Rashed Sami Faleh AlAzmi
Salman Humoud Hezam Judran
Sultan Mohammad Hajjaj AlJalawi
Sultan Salem Abdullah AlOtaibi
Waleed Ghazi Fahad AlMutairi
Zahraa Ahmed Jawad AlMoamen
Abdulaziz Manea Naser AlAjmi
Abdulaziz Medhesh Faleh AlHajeri
Abdulaziz Saad Ashwi AlSaidi
Abdulhadi Abdullah Juwaied AlAjmi
Abdulhadi Hani Mostafa AlBuloushi
Abdullah Ahmad Mubarak AlMee
Abdullah Humoud Abdullah AlHajri
Abdullah Meshal Motlaq AlOtaibi
Abdullah Musaedd Abdullah AlMutairi

Abdulrahman Meshal Abdulrahman Salem
Abdulwahab Mohammed Khalil AlBannai
Ahmad Jihad Ahmad Nofal
Ahmad Khaled Ali AlShatti
Ahmad Saud Mohammad AlShamary
Ali Ahmad Abbas Sheshtar
Ali Bader Mohammad AlSarraf
Ali Mostafa Ahmad AlMegadi
Ali Wael Mustafa Ben Yousif
Bader Mansour Hussain AlMutairi
Dosar Abdullateef Mostafa AlDerbas
Fahad Falah Abdullah AlBrazi
Fahad Hasan Saleh AlAjmi
Fahad Mohammad Faleh AlZuabi
Fahad Muhaya Hamdan AlDeehany
Fahad Odhaib Shlaiweeh AlOtaibi
Fahd Faisal Fahd AlDwani
Faisal Nasser Mohammad AlMasoud
Ghezlan Abdulrahman Abdulla Najem Abdulla
Hmoud Abdullah Ali AlHarbi
Husain Habeeb Darweesh Qasem
Husam Mohsen Faihan AlOtaibi
Huseen Ali Abdullah Bohamad
Jaber Mubarak Falah AlAzemi
Jouni Ibrahim Kailouh
Karim Ashraf Abdelaal Ahmed Abdelrazek
Khaled Jasser Lafi AlOtebi
Khaled Marshad Menwer AlMutairi
Khaled Mesfer Faisal AlHajeri
Khaled Meshari Faleh AlNuwaiem
Khuloud Bader Hussain AlKandari
Mahdi Manea Saleh AlAjmi
Majed Fahad Salem AlHajri
Mansour Musallam Mansour AlSubaiei
Mohamad Hussain Hamad AlShammari
Mohammad Abdullah Faleh AlAjmi
Mohammad Abdullateef Abdulaziz AlMas
Mohammad F N Saleem
Mohammad Hamad Mohammad AlAjmi
Mohammed Faihan Marzouq AlMutairi
Mohammed Khaled Abdulghani AlAbdulghani



DIPLOMA OF **MECHANICAL ENGINEERING GRADUATES**

Mohammed Soud Mohammed AlAzmi
Nasser Mohammad Abulqasem
Omar Nawaf Mohammad AlOtaibi
Othman Ahmad Mohammad
Saleh Ayad Eissa AlHamar
Saleh Faiez Mefreg AlZahamil
Salem Saad M AlShammari
Salim Asam Ali AlAsfour
Talal Sulaiman Saqer AlMutairi
Yaser Yousef Mousa AlKhayyat
Abdallatef Ahmad Salman AlDhafiri
Abdelrahman Mostafa Abdelrahman Soliman
Abdulla Eshaq Abdulla AlKandari
Abdullah Faisal Abdullah AlDousari
Abdullah Nayef Humoud AlOtaibi
Abdullah Zeyad Ghazi AlOtaibi
Abdullatif Raad Abdulmohsen AlMutwaa
Abdulrahman Sultan Abdullah AlUtaibi
Abdulredha Nasser Abdulredha Gadanfar
Ahmad Emad Sayed Ahmad AlKandri
Ahmad Saleh Abdulkareem AlOtaibi
Ahmad Yousef Mohammed Hashem
Ahmed Naser Jasem AlSarraf
Ali Hameed Mohammad AlAzemi
Ali Mansour Qasem Asiri
Ayah Mufed Jaafar AlKusaimi
Bader Hadi Fahhad AlAzemi
Bndar Abdullah Awwad AlHurairi
Essa Jassim Fadhel AlQattan
Fahad Abdullah Khlaif AlEnezi
Fahad Abdullah Obaid AlAjmi
Fawaz Abdulkareem Khalifah AlSaad
Hamad Turki Obaid Safeer
Hasan Ali Mashaan Ateyah
Joseph Habib

Khaled Hamad Mohammad AlMutairi
Khaled Nour Shaker AlOtaibi
Maeedh Awadh Maeedh AlAjmi
Majab Mohammad Saad AlAjmi
Meshari Ghazi Motlaq AlMutairi
Mohammad Abdulaziz Mohammad Shamsaldeen
Mohammad Eissa Maatouq AlAbasi
Mohammad Hamdan Baddah AlSulaimani
Mohammad Motlaq Buti AlOtaibi
Mohammad Naji Khaled AlHajeri
Nayef Musbeh Hamad AlAzimi
Saleh Khaled Saleh AlAsmawi
Salem Ebrahim Hanoun AlShemeri
Salman Adnan Sulaiman AlSalman
Salman Ali Hallaf AlHarbi
Salman Ayed Humoud AlAzemi
Salman Dawoud Salman AlAmiri
Saoud Fayez Saoud AlAzemi
Sayed Mohammad M S M S A A S Ebrahim
Shouq Ghanim Ghunaim AlMutairi
Talal Fawaz Motlaq AlSebae
Yahya Dawoud Hajeyah Hasan
Yousef Abdullah Abdulmohsen Hamdan





DIPLOMA OF PETROLEUM ENGINEERING GRADUATES



Tesnim Bouhanna
Diploma of Petroleum Engineering



Dalal Abdullateef AlSani
Diploma of Petroleum Engineering



Maryam Khaled AlBader
Diploma of Petroleum Engineering





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Abdulrahman Abdulaziz Khalifah Qasem
Abdulrahman Hamad Jassim Mohsen
Bushra Mohammad Yaseen Dhaidan
Hani Mohammad Ali AlBahar
Hayat Bader Adel AlMesfer
Khalid Bader Hussain AlSanea
Sarah Mohammad Abdulaziz AlBeeshi
Abdalrahman Bader Mohammad AlShati
Abdullah Ahmad Ali Husain
Abdullah Saleh Ahmad Saleh
Abdalmohsen Naser Mohammad AlAjmi
Abdulrahman Mefleh Dhaher AlFadhli
Abdulrahman Motlaq Mohammad AlQahtani
Abdulrahman Zayed Sari AlOtaibi
Ahmad Saud Mesfer AlAntari
Barak Khaled Barak AlShalash
Fahhad Abdullah Fahhad AlAjmi
Fajr Yahya Masri
Faleh Mohammad Twaim AlHajri
Fares Mohammad Adbulkareem AlMushouti
Fawaz Ajeel Bader AlZafiri
Hassan Abdulaziz Naseer Jafer
Homoud Mohammed Taweel AlAnezi
Hoor Ali Jawad AlNajdi
Khaled Makki Assaf Hasan
Khaled Salem Farhan AlAzemi
Layla Abdulaziz Abbas AlMunawer
Maram Marzouq Mudhhi AlOtaibi
Mohammad Abdullah Meteb Mejbil
Naser Yousef Ahmad AlShammari
Nasser Humood Khaled AlAzmi
Nourah Meshari Jassim AlShaibani
Omar Hayef Nayef AlDaihani
Raghad Salah Habeeb AlEbrahim
Salem Hamad Saleh AlAjmi
Sondos Hussain Mohammad AlKandari
Talal Adnan Mohammad Baraki
Tessnim Bouhanna
Yousef Bader Mghairan AlMutairi
Yousef Jaber Yousef AlJaber
Yousef Mohammed Yousef AlArouj

Abdalmohsen Motlaq Mohammad AlQahtani
Abdulaziz Nawaf Abdullah AlAbdullah
Abdullah Mansour Abdullah AlMansour
Abdullah Mubarak Motlaq AlOwayed
Abdullah Mubarak Saud AlAjmi
Abdullah Naser Mubarak AlHajri
Abdullah Talal Teamah AlShemeri
Abdulrahman Fawaz Motlaq AlAzimi
Abdulrahman Rakan Mnahi AlSubaie
Abdulwahab Othman Rajab AlAnsari
Ali Adel Abdullah Husain
Bader Mohammad Turki AlMutairi
Dalal Abdullateef Abdulmajeed AlSani
Danah Fahad Faraj Faraj
Edrees Khaled Mansour AlDousari
Fahad Jaber Mohammad AlHajri
Ghaleb Mubarak Ghaleb AlSahli
Khaled Mohammad Ebrahim AlHelal
Maryam Khaled Saeed AlBader
Mohammad Mabkhout Abdullah AlAjmi
Mohammad Shebeeb Mohammad AlAjmi
Omar Hamad Abdullah AlSalem
Omar Mohammad Humoud AlMutairi
Saleh Hassan Saleh AlAjmi
Soud Majed Soud AlMutairi

COLLEGE OF ENGINEERING EVENTS

TABLE OF CONTENT

▪ College of Engineering Representatives Participation in the 2024 CDIO International Working Meeting (IWM) in Singapore Polytechnic (SP).	41
▪ Petroleum Engineering Department meeting with Life Energy Company.	42
▪ Petroleum Engineering Department Faculty Members Online Meeting with Schlumberger (SLB) MENA Technology Director.	43
▪ College of Engineering Participation in the 15th Technological Innovation Conference and Exposition (TICE) and 8 th Engineering Excellence Awards (EEA).	44-46
▪ College of Engineering Participation in the 7th International Maintenance, Reliability and Asset Management Conference (Maintcon 2024).	47
▪ College of Engineering Participation in the Mediterranean Offshore Conference (MOC).	48
▪ College of Engineering Participation in the Life Energy Co. and Longi Co. Arranged Conference Titled "Redefining Kuwait: A New Era of Energy Possibilities"	49
▪ College of Engineering Industrial Advisory Board (EIAB) Meeting.	50
▪ Electrical and Electronics Engineering Students Participation in the AI and Cybersecurity exhibition.	51
▪ College of Engineering Participation in the Regional Innovation Competition of the Huawei ICT Competition 2024 -2025.	52
▪ CQUniversity Visit to the Australian University (AU).	53
▪ College of Engineering Participation in the Practise Competition of the Huawei ICT Competition 2024 – 2025.	54-55
▪ Australian University (AU) Representatives Meeting with Kuwait Integrated Petroleum Industries Co. (KIPIC).	56
▪ Signing Ceremony of the Memorandum of Understanding between the Australian University (AU) and Tishk University (TIU).	57
▪ Petroleum Engineering Students Participation in the 10th Middle East Artificial Lift Forum.	58-59
▪ College of Engineering Students Participation in the VEX Robotics Competition.	60-62
▪ The Australian University (AU) and Idaho State University (ISU) Joint Research Project Wins Top Honors at (ISU) Symposium.	63
▪ Australian University College of Engineering Participation in the Higher Education in the Innovation Era summit.	64-65
▪ Memorandum of Understanding Signing Ceremony Between the Australian University (AU) and German Jordanian University (GJU).	66
▪ Petroleum Engineering Students Participation in GOTECH 2025 AI Hackathon.	67-70
▪ College of Engineering Students Participation in INJAZ Company Program 2024-2025 Competition.	71
▪ Meeting with Life Energy Management to Discuss the Establishment of the Solar Academy at Australian University.	72-73
▪ College of Engineering Students Collaboration with Veolia Water Technologies.	74-75
▪ Australian University College of Engineering Participation in KNPC Technology Expo.	76-79
▪ College of Engineering Participation in the Six Annual Teaching and Learning Excellence Forum.	80
▪ Electrical and Electronics Engineering Department Faculty Members Participation in Huawei Technologies Event at the Jaber Al-Ahmad International Stadium.	81-82

COE REPRESENTATIVES PARTICIPATION IN THE 2024 CDIO INTERNATIONAL WORKING MEETING



Dr. Mohammed Abdul-Niby, Dean of the College of Engineering at the Australian University (AU), along with Dr. Fadi Al Khatib - Head of the Mechanical Engineering Department and Dr. Hassan Salti - Head of the Electrical and Electronics Engineering Department, participated in the 2024 CDIO International Working Meeting (IWM) and the International Learning Festival 2024 (ILF). The events took place from 25th to 27th of September 2024 at Singapore Polytechnic (SP).



The participation in CDIO International Working Meeting contributes to the advancement of engineering education at AU in general and elevates AU's profile within the global engineering education community in general and CDIO community in particular.



PETROLEUM ENGINEERING DEPARTMENT FACULTY MEMBERS MEETING WITH LIFE ENERGY COMPANY

On Tuesday 24th of September 2024 the Life Energy Company representatives Ms. Bodour Alnazer and Mr. Joseph Murgola were invited by Dr. Mortadha Al Saba, Head of Petroleum Engineering Department to discuss the development of a new 2+2 curriculum for the Renewable Energy Engineering.



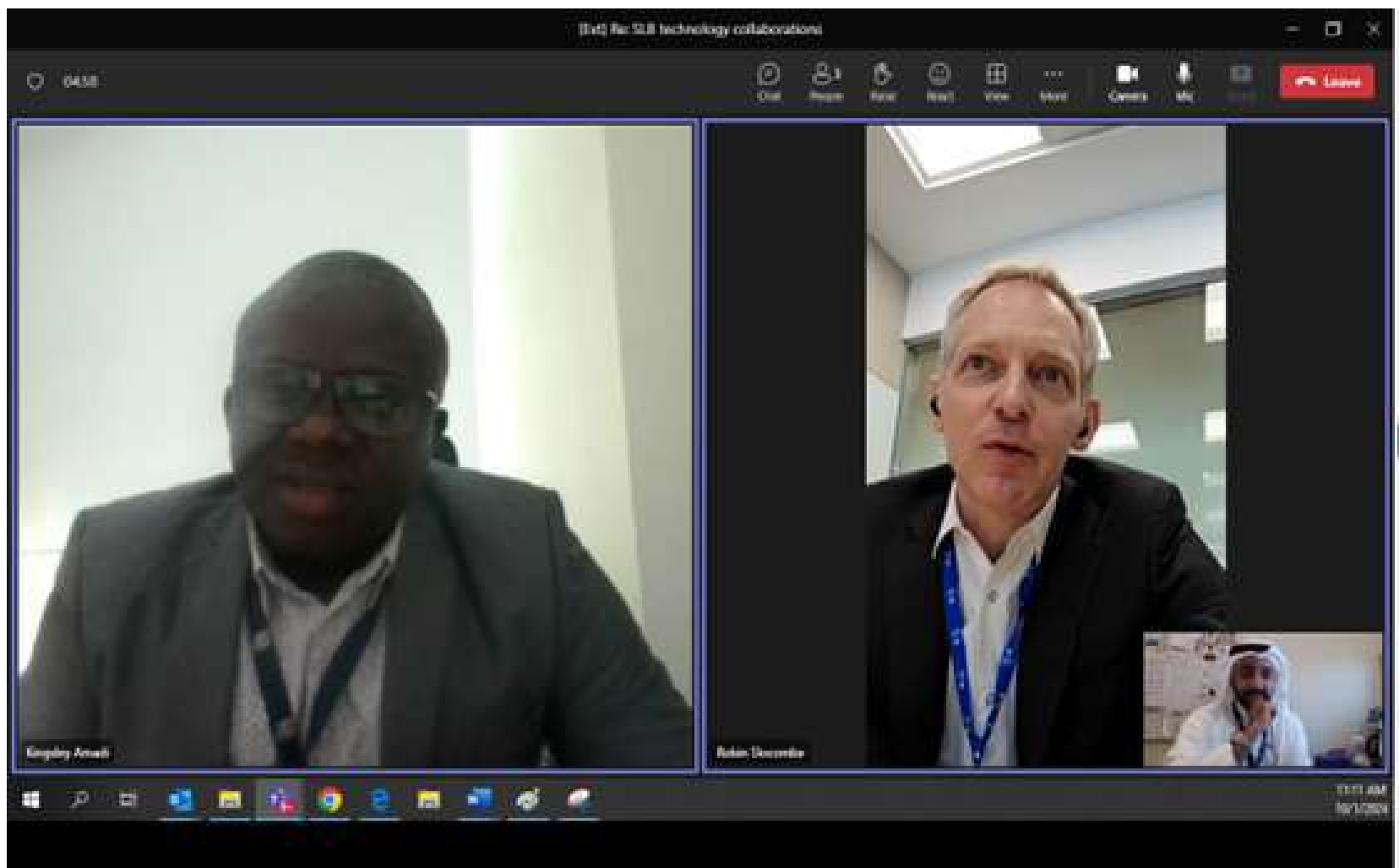
Dr. Mortadha explained the Diploma and Bachelor programs with the details of all courses as per semester. The Life Energy representatives commented that the developed program is well prepared and it is in line with Kuwait Strategic planning and Vision of 2035. It will also give a good opportunity for the young Kuwaiti generations. The meeting was very fruitful and added new values to finalize and endorse the new Renewable Energy Engineering.



PETROLEUM ENGINEERING DEPARTMENT

ONLINE MEETING WITH SLB

An online meeting took place on Tuesday 1st of October 2024 between representatives from the Australian University (AU) and Schlumberger (SLB). The attendees included Dr. Mortadha Al Saba, Head of the Petroleum Engineering Department; Eng. Kingsley Amadi, Senior Instructor and Mr. Robin Slocombe, Director of SLB MENA Technology. The purpose of the meeting was to discuss and explore potential research collaborations.



COE PARTICIPATION IN THE 15TH TICE & 8TH EEA



The College of Engineering at the Australian University (AU) achieved a remarkable success by winning three awards during their participation in the 15th Technological Innovation Conference and Exhibition (TICE) and the 8th Engineering Excellence Awards (EEA).

The event was held on Thursday 10th October 2024 at Crown Plaza Farwaniyah, Kuwait, under the patronage of H.E. Sheikh Malik Al-Jaber Al-Malik Al-Sabah, Head of Sustainable Development Initiatives.

The College of Engineering presented three research projects for the “Engineering Excellence Awards”, delivered one presentation, nominated two students for the “Emerging Engineer of the Year” award, and exhibited graduation projects by two student groups.



Dr. Suad Al Radhwan, a faculty member at AU, played a pivotal role as chairperson within the organizing committee of the conference.



In a proud achievement, AU secured two Gold Awards and one Silver Award. The first Gold Award in "Engineering Research - Optimization" recognized the project titled "Optimum Crude Blends for KIPIC Crude Distillation Units", supervised by Dr. Suad Al Radhwan, with students Abdulaziz Al Fendi, Ali Al Ramzi, Mohammad Al Azmi, and Fahad Al Owais participating.

The second Gold Award in "Engineering Research - Data Management" was awarded to the project titled "Towards Autonomous Rotary Drilling System: Penetration Model for Drilling Operations in the Oil Field Leveraging Artificial Intelligence", supervised by Dr. Rida Elgaddafi and co-supervised by Eng. Kingsley Amadi, with students Ahmad Dashti, Mohammad Al Jawad Al Ali, and Mubarak Al Abdullah.



The Silver Award in “Engineering Research – Optimization” was granted to the project titled “Smart Sustainable Drilling Fluid Additives Inventory Management System”, supervised by Dr. Mortadha Alsaba and co-supervised by Eng. Asama Hussain, with students Esraa Hasan, Janan Kassim, Fotoun Al Atwan, Kawthar Mirza, and Kawthar Mohammed contributing.



In addition, two Petroleum Engineering students, Tesnim Bouhanna and Mohammad Al Jawad Al Ali, were recognized as “Emerging Engineers of the Year”.



COE PARTICIPATION IN THE MAINTCON 2024

Two teams from the College of Engineering were accepted to showcase their innovative projects at the 7th International Maintenance, Reliability and Asset Management Conference (Maintcon 2024), which was held in the Kingdom of Bahrain from 13th to 16th of October 2024, and hosted by the Gulf Society for Maintenance and Reliability (GSMR) in collaboration with the Bahrain Society of Engineers (BSE),



The students Esraa Hassan and Janan Kassim supervised by Dr. Mortadha Alsaba – Associate Professor/Head of Petroleum Engineering Department and co-supervised by Eng. Asama Hussain, showcased their project titled “Smart Sustainable Drilling Fluid Additives Inventory Management System” triumphed at the event, competing alongside with prestigious universities from across GCC countries as well as GCC and international industries.

The team succeeded in being among the winners of the “Innovation Corner”. This remarkable achievement highlights our students’ hard work and dedication.



MEDITERRANEAN OFFSHORE CONFERENCE (MOC)



As part of the commitment of the College of Engineering in the producing industry ready professional through Project Based Learning (PBL). Dr Rida Elgaddafi – Assistant Professor and Eng. Kingsley Amadi – Senior Instructor from the Petroleum Engineering Department, engaged the students Ahmed Dashti and Mohammad AlAli of selected topic on digital skills of machine learning theory and predictive modeling during the 2024 summer semester. The paper abstract was accepted for presentation in the Mediterranean Offshore Conference (MOC) – held from 20th to 22nd October 2024 in Alexandria, Egypt.



On Monday 21st of October 2024, student Ahmed Dashti presented the paper during the (MOC) conference and was very successful. This achievement marks a step change in experiential learning, especially in the field of artificial intelligence and machine learning.

LIFE ENERGY CO. AND LONGI CO. ARRANGED CONFERENCE

On Wednesday 23rd of October 2024, faculty members from the College of Engineering at the Australian University attended a conference organized by Life Energy Co. and Longi Co. The attendees included:

- **Dr. Wisam Al Saadi – Associate Professor/Mechanical Engineering Department**
- **Dr. Mohamad Farhat – Associate Professor/Electrical & Electronics Engineering Department**
- **Dr. Hamzeh Aljarajreh – Assistant Professor/Electrical & Electronics Engineering Department**
- **Dr. Suad Al Radhwan – Assistant Professor/Petroleum Engineering Department**
- **Dr. Jean El Achkar – Assistant professor/Petroleum Engineering Department**

The conference titled “Redefining Kuwait: A New Era of Energy Possibilities” was held at the Regency Hotel in Kuwait. It provided valuable insights into the latest technologies and developments in renewable energy with a particular focus on solar energy. Additionally, the discussions addressed the challenges related to power demand and the implementation of solar energy solutions in Kuwait’s near future.



COE INDUSTRIAL ADVISORY BOARD (EIAB) MEETING

The College of Engineering Industry Advisory Board (EIAB) meeting took place at the Australian University (AU) on Tuesday 5th of November 2024. The meeting was remarkably successful and reflected the collaboration between the university and its industry partners.



AI AND CYBERSECURITY EXHIBITION

Two teams from Electrical and Electronics Engineering have participated in the AI and Cybersecurity exhibition which was held at Sabah Salem University City (Shaddadia) between 25th and 27th of November 2024.

Both teams presented their prototype of the graduation project they implemented in Spring 2024. The teams are as follows:



Team 1

Name of Project:

"RE'AYA: A Kuwaiti AI Driven Robotic Diagnostic Nurse"

Supervisor:

Eng. Hania El-Kanj – Senior Instructor

Team Members:

- Fares Al-Mutairi
- Fahad Jazzaa Al-Enezi
- Ahmad Al-Mutawa
- Atyab Khalefa
- Khaled Al-Azmi



Team 2

Name of Project:

"Smart Assistant for Visual Impairment"

Supervisor:

Eng. Sami Assaad – Senior Instructor

Team Members:

- Laila Abdullah Zadeh
- Maryam Mohammad Al-Otaibi

The exhibition was a good opportunity for our students to showcase and demonstrate the state of the artwork. The teams were approached by people from industry and academics who appraised their work and acknowledged their ideas and its novelty.

HUAWEI ICT COMPETITION 2024 - 2025

REGIONAL INNOVATION COMPETITION

Under the guidance of Eng. Mohamed Zaki, Senior Instructor the Electrical and Electronics Engineering students Arwa Jumah, Shima Shumais, and Abdulaziz Alanezi have successfully qualified for the Regional Innovation Competition as part of the Huawei ICT Competition 2024-2025 held on Wednesday 27th of November 2024. This impressive achievement reflects their dedication and expertise as they proudly represent Kuwait on a prestigious regional platform. Competing against 13 other teams from various countries, this milestone showcases the exceptional capabilities of AU students.

The Innovation Competition challenges participants to utilize Huawei technologies to develop innovative solutions that address critical global issues. The AU team's project "AI-Personalized Smart Body and Health Control System" is a groundbreaking initiative focused on weight management and reducing the risk of chronic diseases. Not only does this solution promote better health outcomes but it also holds the potential to alleviate the financial strain on government healthcare systems by redirecting resources to other vital sectors that shape the future of humanity.

The students presented their project in an online session to a distinguished jury of technology experts from around the world. The jury meticulously evaluated each team's solution ensuring a thorough and rigorous assessment process. This competition underscores the AU team's innovation and global competitiveness highlighting their commitment to tackling real-world challenges through cutting-edge technology.



CQUNIVERSITY VISIT TO THE AUSTRALIAN UNIVERSITY AU

The Auspice Partner CQUniversity visited the Australian University from 25th to 28th of November 2024.



COE PARTICIPATION IN THE PRACTISE COMPETITION OF THE HUAWEI ICT COMPETITION 2024 - 2025

AU students supervised by Eng. Mohamed Zaki, Senior Instructor - Electrical and Electronics Engineering have achieved remarkable success in the prestigious Huawei ICT Competition 2024 which took place on Monday 2nd of December 2024 at the Huawei Office in Al Hamra Tower, Kuwait. This year's competition featured three tracks: Computing, Network, and Cloud and began with a highly competitive preliminary stage involving over 120 students from universities across Kuwait.



AU Teams Attempting Theoretical exam

AU students showcased their exceptional skills and talent by dominating the National Stage, securing more than 75% of the available seats. This extraordinary accomplishment underscores the strength and capabilities of AU's ICT students. The results of the National Stage are nothing short of inspiring, as AU students secured first and second places in every track, claiming 6 out of 9 seats for the upcoming Regional Final Stage, where they will proudly represent Kuwait.

Below are the AU students who emerged victorious in the National Finals and qualified for the Regional Finals:



Network Track

1st place: Othman Muzher

2nd place: Faisal Alnwayem



Cloud Track

1st place: Abdou Yasser

2nd place: Yousef Abdulkareem



Computing Track

1st place: Nourah Almutairi

2nd place: Hasan Yaqout

AU REPRESENTATIVES MEETING WITH KUWAIT INTEGRATED PETROLEUM INDUSTRIES CO. (KIPIC).



Reference to the signed Memorandum of Understanding (MoU) between the Australian University (AU) and Kuwait Integrated Petroleum Industries Co. (KIPIC) a meeting was held with KIPIC on Sunday 15th December 2024 to support KIPIC in their initiative of conducting a market study on local accredited training institutes and share AU experiences, practices and well-established systems such as various certifications on training filed, registration, scheduling, records, attendances, best practices, digital transformation and more.

The meeting was highly productive and representatives from KIPIC expressed significant admiration for the various systems and practices implemented by AU.

SIGNING MoU BETWEEN THE AUSTRALIAN UNIVERSITY (AU) AND TISHK UNIVERSITY (TIU)

On Wednesday 24th of December 2024, a memorandum of understanding (MOU) was signed virtually between the Australian University (AU) and Tishk University (TIU).

The purpose of this MoU is to facilitate collaboration between the Australian University (AU) and (TIU) to promote joint scholarly activities related to the exchange of information, teaching and learning, research, faculty and student mobility.



PETROLEUM ENGINEERING STUDENTS PARTICIPATION IN THE 10TH MIDDLE EAST ARTIFICIAL LIFT FORUM.



The 10th Middle East Artificial Lift Forum (MEALF) took place from 20th to 22nd of January 2025, in Muscat, Oman. As part of the event an undergraduate student paper contest invited petroleum engineering students from regional universities to present their design or capstone projects aiming to enhance their technical, communication and academic skills.

The Australian University team's abstract titled "ESP Health Monitoring and Fault Recognition System," presented by students Tesnim Bouhanna, Manaris Morad and Mohammad AlAzemi, supervised by Dr. Mohammad Omar, Assistant Professor was among the selected abstracts. The experience proved invaluable, allowing the students to attend

presentations, network and present their work to the evaluation committee.

Student Tesnim Bouhanna reflected, "Representing my university in the competition was both exhilarating and rewarding, pushing me to showcase my skills under pressure. The overall experience helped me learn the importance of collaboration and perseverance."

Students Manaris Morad reflected, "Participating in the competition was a great experience that challenged my skills and pushed me to think creatively. We learned a lot, and the excitement of presenting our project and receiving feedback from the jury was encouraging and inspired me to face future challenges with confidence."

The Dean of the College of Engineering, Dr. Mohammed Abdul-Niby, met with the student Tesnim Bouhanna and supervisor Dr. Mohammad Omar. He congratulated them on their achievement and wished them continued success.



COE STUDENTS PARTICIPATION IN THE VEX ROBOTICS COMPETITION

The College of Engineering at the Australian University participated in the Kuwait National Robotics Competition (KNRC), aligned with the Vex U series, held from February 8th to 11th, 2025, at Kuwait University. This competition provides a platform for students to showcase their skills in robotics and engineering. This year, the competition introduced a high-stakes game that significantly raised the level of challenge. The Australian University's team included the following students from the Electrical and Electronics Engineering Department and Mechanical Engineering Department, who participated in and excelled during the competition:

Electrical & Electronics Engineering:

- Othman Muzher
- Hashem Khadadah
- Ahmad Alkuhlaifi
- Suleman Zeeshan
- Talal Alshatti
- Mohammad Alali

Mechanical Engineering:

- Bader Alazmi
- Ali Alazmi

The teams were a collaborative effort under the College of Engineering, combining the expertise of the Electrical & Electronics Engineering and Mechanical Engineering departments to enhance the design and functionality of the robots.

The team was mentored by the following coaches:

Supervisors:

- Eng. Asama Hussain
- Eng. Khaled Sarhan

Co-Supervisors:

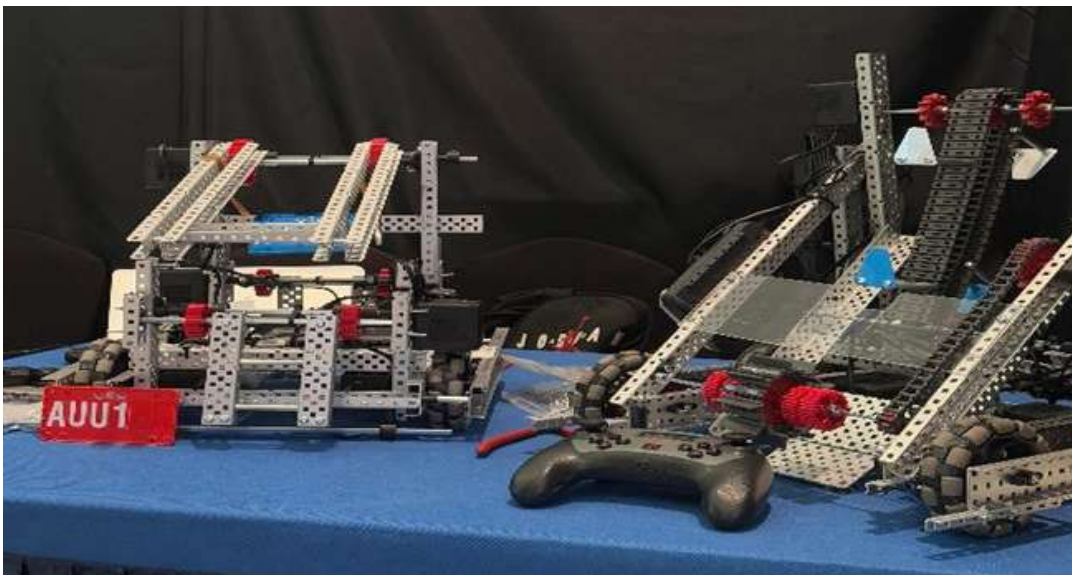
- Eng. Laila Dallol
- Eng. Reem Akasha



These coaches provided guidance and support, enhancing the team's performance through strategic advice and technical expertise.

This year's competition featured a high-stakes game that involved complex tasks requiring advanced strategy, precision and innovation. This game was designed to test the team's abilities to perform under pressure and implement sophisticated engineering solutions.

The teams were challenged to design two robots capable of navigating and completing tasks more efficiently and effectively than their counterparts. The high-stakes game added an element of intense competition, requiring teams to adapt quickly and make real-time strategic decisions.





Participating in such a high-level competition provides students with critical exposure to real-world engineering challenges. It enhances their problem-solving skills, teamwork and ability to innovate under pressure, qualities essential for future leaders in technology and engineering. The inclusion of a high-stakes game in this year's Kuwait National Robotics Competition not only heightened the challenge but also the learning opportunities for all participants. The Australian University team's success, marked by winning the "Judges Award," showcases their proficiency and preparedness for future technological endeavors.

The team from the Australian University stood out by winning the "Judges Award," a recognition of their exceptional design and engineering skills, which were particularly evident in their performance during the high-stakes game.

In recognition of the engineering students' outstanding achievements in the competition, the Dean of the College of Engineering convened with the winners and their mentors, presenting them with letters of commendation for their accomplishments and extending best wish for their continued success.



AU AND IDAHO STATE UNIVERSITY (ISU) JOINT RESEARCH PROJECT WINS TOP HONORS AT (ISU) SYMPOSIUM

The Australian University (AU) is proud to announce that its ongoing joint research project with Idaho State University (ISU), titled “Laboratory Evaluation of Carbon Fibre Reinforced Polymer (CFRP) Bars to Improve Joints in Natural Fibre Reinforced Concrete (NFRC) Pavements,” has been awarded First Place in the Top Graduate Poster Presentation category at ISU’s prestigious Research and Creative Works Symposium.

The winning research poster, presented by Mr. Saugat Dotel, a master’s degree Civil Engineering student at ISU, aimed to investigate the potential of Flax Fiber-Reinforced Concrete and Glass Fiber Reinforced Polymer dowels as sustainable alternatives to conventional pavement materials.

Mr. Dotel is jointly supervised by Dr. Taha Ahmad, Associate Professor of Civil Engineering Department at AU and project Co-Investigator, Dr. Mohammad Hany Yassin, Assistant Professor of Civil Engineering Department at AU. Their co-supervision has been officially acknowledged by ISU faculty, reflecting the deep collaboration between both institutions.



COE PARTICIPATION IN THE HIGHER EDUCATION IN THE INNOVATION ERA SUMMIT

Two teams from the Australian University, College of Engineering participated in the "Higher Education in the Innovation Era" summit, held at Abdullah Al Salem University, Shuwaikh Campus, Kuwait, from April 16th to 17th, 2025.

The summit explored the integration of digital technologies, such as artificial intelligence, big data, virtual reality and smart campus solutions, into academic institutions. Key topics included personalized learning, predictive analytics, cybersecurity and policy governance in technology-driven education. A highlight of the summit was the presentation of successful case studies and innovative projects from universities that have effectively adopted emerging technologies in their academic and operational environments. These showcases demonstrated practical advancements that enhance the learning experience, optimize institutional performance, and prepare students for the future workforce.



The participating teams who took part in the summit showcased their projects as follows:



Mechanical Engineering Team:

Name of Project: "Electric Vehicle Battery Cooling System using Nanofluids"

Team Members:

- Hamad Almejren
- Lojain Ali
- Thamer Alaftan

Supervised by: Dr. Wisam Al Saadi – Associate Professor
Mechanical Engineering Department



Electrical and Electronics Engineering Team:

Name of Project: "ORBIT - AI-Personalized Smart Body and Health Control System"

Team Members:

- Arwa Alkhalfan
- Shaima Shumais
- Khaled Alshammari
- Abdulaziz Alenzi
-

Supervised by: Eng. Mohammad Zaki – Senior Instructor
Electrical & Electronics Engineering Department

The event provided our students with a unique opportunity to showcase their work to a broad audience, receive insightful feedback and gain exposure to a diverse range of innovative ideas. It also reinforced the department's strategic objective of fostering a culture of innovation, research and entrepreneurship among students.

MoU SIGNING CEREMONY BETWEEN AU AND GERMAN JORDANIAN UNIVERSITY (GJU)



On Sunday 20th of April 2025, a memorandum of understanding (MOU) was signed between the Australian University (AU) and German Jordanian University (GJU).

The purpose of this MoU is to facilitate collaboration between the Australian University (AU) and German Jordanian University (GJU) to promote joint scholarly activities related to the exchange of information, teaching and learning, research, faculty and student mobility.



PETROLEUM ENGINEERING STUDENTS PARTICIPATION IN GOTECH 2025 AI HACKATHON



Our Petroleum Engineering students Manaris Abdulaziz Morad and Fatemah Bader Al Tannak under the mentorship of Dr. Mohammad Omar - Assistant Professor, participated in the prestigious AI Hackathon II, held during the GOTECH 2025 Conference at the Dubai World Trade Centre from April 21st to 23rd, 2025.



The AI Hackathon, organized by the Society of Petroleum Engineers (SPE) in collaboration with Dragon Oil, attracted 123 participants from universities and institutions around the globe.

Our students demonstrated exceptional skill and innovation by developing an AI-based solution for Surface Network Production Flow Behavior Prediction and Optimization.

Following a competitive evaluation process, the AU team advanced to the Top 20 Honorable Finalists and ultimately secured an impressive 7th place globally, distinguishing themselves on an international stage. This outstanding accomplishment reflects the strength of AU's academic programs and its commitment to engaging students in real-world learning experiences that prepare them to lead in a rapidly evolving energy sector.

طلبة الجامعة الأسترالية يحصدون المركز السابع عالمياً في مسابقة الهاكاثون



للطابان الفلترتان مع إدارة الجامعة

حقق طلاب قسم هندسة البترول في الجامعة الأسترالية إنجازاً عالمياً بحصولهم على المركز السابع في مسابقة هاكاثون للذكاء الاصطناعي GOTECH في معرض 2025 الذي أقيم في دبي. نظمت المسابقة من قبل جمعية مهندسي البترول بالتعاون مع شركة دراغون أويل. وشهدت المسابقة مشاركة من 123 فريقاً يمثلون أبرز الجامعات والمؤسسات العالمية.

مثلت الطابان منريس مراد وفاطمة التتق فريق الجامعة الأسترالية، تحت إشراف د. محمد عمر. استاز مساعد في قسم هندسة البترول. حيث قدمت حللاً مبتكرة على الذكاء الاصطناعي لتنبؤ وتحسين سلوك تدفق الإنتاج في الشبكات السطحية، وبعد اجتيازهما لتدقيق وتحكيم

صارم، تمكنتا من الحصول على المركز السابع في المسابقة. كما صنف الفريق ضمن أفضل 20 فريقاً. وعلق د. محمد عبد النبي عميد كلية الهندسة لدى الجامعة الأسترالية قائلاً: «يعكس هذا الإنجاز

نفاي طلاب وهيئة تدريس الجامعة الأسترالية، ويعزز مدقنا في إعداد قادة مستقبل قارين على الابتكار والتحقيق الاستدامة في قطاع الطاقة». كما تحدث د. مرزقي السبع رئيس قسم هندسة البترول،

قائلاً: «نحن فخورون جداً بهذا الإنجاز على الساحة العالمية. وإن إنجاز طاباننا يعكس قوة برامجنا الأكاديمية ويؤكد التزامنا بتعزيز الابتكار وحل المشاكل والتطبيق الواقعي لطلابنا».



The Dean of the College of Engineering, Dr. Mohammed Abdul-Niby, met with the students Manaris Abdulaziz Morad and Fatemah Bader Al Tannak and their supervisor Dr. Mohammad Omar congratulated them for their achievement and wish them continued success.





Petroleum Engineering student Tasnim Bouhanna from the AU SPE Chapter had the incredible opportunity to attend the GOTECH 2025 Conference held in Dubai from April 21st to 23rd, 2025. This event, under the patronage of the Chairman of the Dubai Supreme Council of Energy, brought together around 60 students from the Middle East and Africa to enhance their knowledge through various resources, support, and opportunities.

and automation in the oil and gas industry. She also had the chance to engage in expert discussions with professionals.

The second day featured a presentation by Olivier Houzé, the 2025 president of SPE, on a global sponsorship program for students. Then the attendees participated in an interactive Q&A session with industry experts, gaining valuable career insights and advice. Later, the attendees were grouped randomly for the Rush-Away challenge, a high-energy team-building competition. Tasnim's team secured second place out of eight teams.





On the final day, students were selected to present their experiences from the field trips. Tasnim was chosen to present the SLB trip along with four other students. She also attended a career power session with HR professionals, learning about the hiring process, selection criteria and tips for career success. The day concluded with a closing ceremony where all attendees received certificates for their participation.



ESTABLISHMENT OF SOLAR ACADEMY AT AU

The initiative to establish the Solar Academy at Australian University (AU) by Life Energy and its partners was kicked off on Tuesday, April 29, 2025, in the presence of AU President Professor Isam Zabalawi and Mr. Hamad Al Radhan, CEO of Life Energy.

The meeting was held to discuss the plan for Renewable Energy teaching and training for Fall 2025 - 2026 and Spring 2025 - 2026 semesters. The requirements for hardware and electricity connections were discussed, along with the equipment such as solar PV panels and inverters that will be supplied by Life Energy and its partners as technology providers.



The meeting concluded with a tour of the designated classroom for the Solar Academy. Life Energy representatives also visited the Huawei lab and the fabrication lab in Building 4. The meeting was highly productive and contributed significantly to our readiness for the Fall 2025 - 2026 semester.



COE STUDENTS PARTICIPATION IN INJAZ COMPANY PROGRAM 2024-2025 COMPETITION



The Australian University (AU) College of Engineering, in collaboration with the College of Business and the School of Aviation, participated with three teams in the "INJAZ Company Program 2024-2025 Competition" on Saturday 26th of April 2025, at the Cultural Center at AUM.

The "Ramalah" team succeeded in securing the "Best Booth Award." Their project demonstrated exceptional creativity and potential in addressing regional energy challenges. This success reflects the dedication, hard work, and ingenuity of our students.





Participating team “Ramalah” Students’ Names:

- Dana Khuraibet – Electrical and Electronics Engineering
- Anwar Albathali – Electrical and Electronics Engineering
- Nour Al-Mutairi - Electrical and Electronics Engineering
- Salem Sweid - Electrical and Electronics Engineering
- Leen Belal – School of Aviation

Mentor: Dr. Hamzeh Al-Jarajreh, Assistant Professor, Electrical and Electronics Engineering Department.



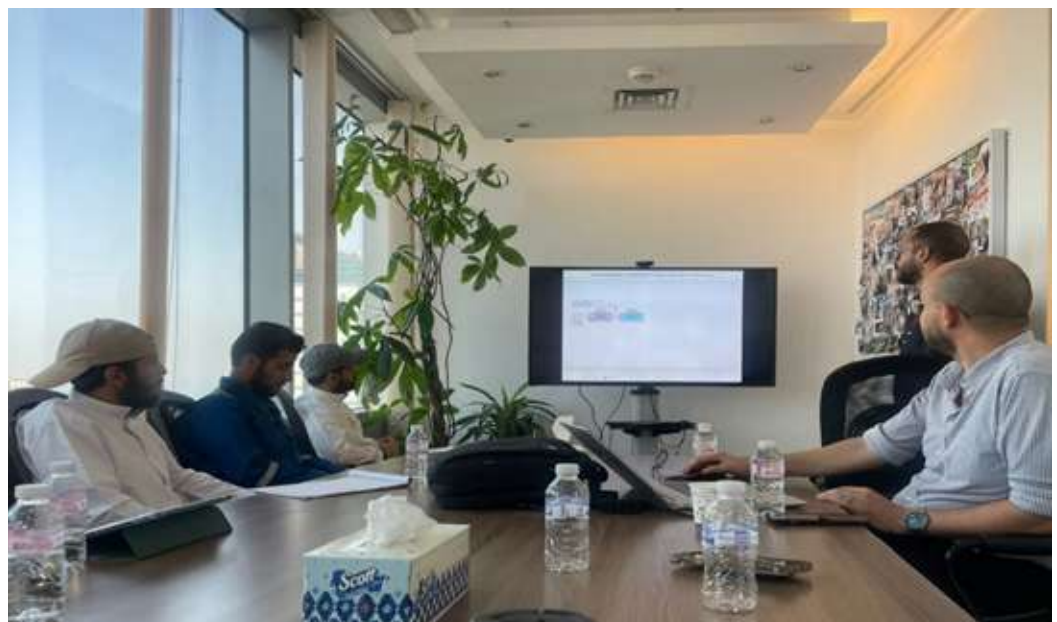
The Dean of the College of Engineering, Dr. Mohammed Abdul-Niby, met with the students and their Mentor congratulated them for their achievement and wish them continued success.

COE STUDENTS COLLABORATION WITH VEOLIA WATER TECHNOLOGIES

As part of its continuing commitment to support industry through applied research and technical consultation, the Australian University (AU), College of Engineering, collaborated with Veolia Water Technologies to develop an engineered solution to enhance the quality of water delivered via tanker systems. This capstone project, carried out by a senior student team from the Department of Mechanical Engineering under the academic supervision of Dr. Abeer Al Anazi, addressed specific challenges identified by Veolia regarding the reliability, efficiency, and safety of water treatment during transfer operations. The resulting system was designed and prototyped to meet Veolia's operational requirements and technical constraints.



Industrial visit to Veolia Water Technologies Company on October 18, 2024



The final prototype was successfully fabricated and tested under simulated field conditions. The system achieved consistent particulate removal, alarm-based operational feedback, and seamless filtration switchover, offering a practical, scalable, and cost-efficient solution for Veolia's water transfer operations.

When displayed in the "Exhibition of Engineering Students' Graduation Projects" on May 06, 2025, the prototype received enthusiastic feedback on the practicality and creativity of the design. The prototype not only demonstrated technical skills but also contributed to the broader conversation about sustainable water technologies.

This project exemplifies the value of academic-industry partnerships, where real-world engineering problems are addressed through structured educational initiatives, research-based design, and collaborative implementation.



Exhibition of Engineering Students' Graduation Projects" on May 06, 2025

COE PARTICIPATION IN KNPC TECHNOLOGY EXPO

The Australian University (AU) College of Engineering participated in the KNPC Technology Expo event, held at the Ahmad Al Jaber Oil and Gas Center in Ahmadi from the 12th to 13th of May 2025.

The event was organized by the KNPC Research and Technology Department. Local and international industry leaders were invited to participate in showcasing their latest technology. In addition to the exhibition, formal sessions and interactive activities took place throughout the two-day event to explore the latest technological advancements and ensure a valuable experience for all attendees.



The College of Engineering submitted 15 projects, out of which KNPC selected 8 projects that were most relevant to the oil and gas industry or contributed to a sustainable environment.

The Dean of the College of Engineering, Dr. Mohammed Abdul-Niby, along with the Head of the Petroleum Engineering Department, Dr. Mortadha Al Saba and a group of faculty members and graduate students attended the two-day event.



KNPC management toured the exhibition and spent significant time at the College of Engineering's display of 8 project prototypes, where the students explained the projects and their features. The KNPC management and visitors were very impressed with the quality of the projects and several projects will be further reviewed by KNPC for potential adoption at their facilities.



At the closing ceremony dinner, Dr. Mohammed Abdul-Niby received a memento in appreciation of AU - CoE's contribution to the event.



COE PARTICIPATION IN THE 6TH ANNUAL TEACHING AND LEARNING EXCELLENCE FORUM

The Teaching and Learning Center (TLC) hosted the sixth annual Teaching and Learning Excellence Forum titled “The Future of Higher Education in the Age of Artificial Intelligence” on Wednesday, May 21, 2025, at the Australian University (AU) auditorium. The event was held under the patronage of the Private Universities Council in Kuwait.

Faculty members from the College of Engineering attended the forum. Dr. Mortadha Al Saba, Associate Professor and Head of the Petroleum Engineering Department, served as the moderator for the discussion session, and Dr. Jean El-Achkar, Assistant Professor in the Petroleum Engineering Department, participated in the panel discussion titled “The Role of AI in Shaping the Future of Higher Education.”

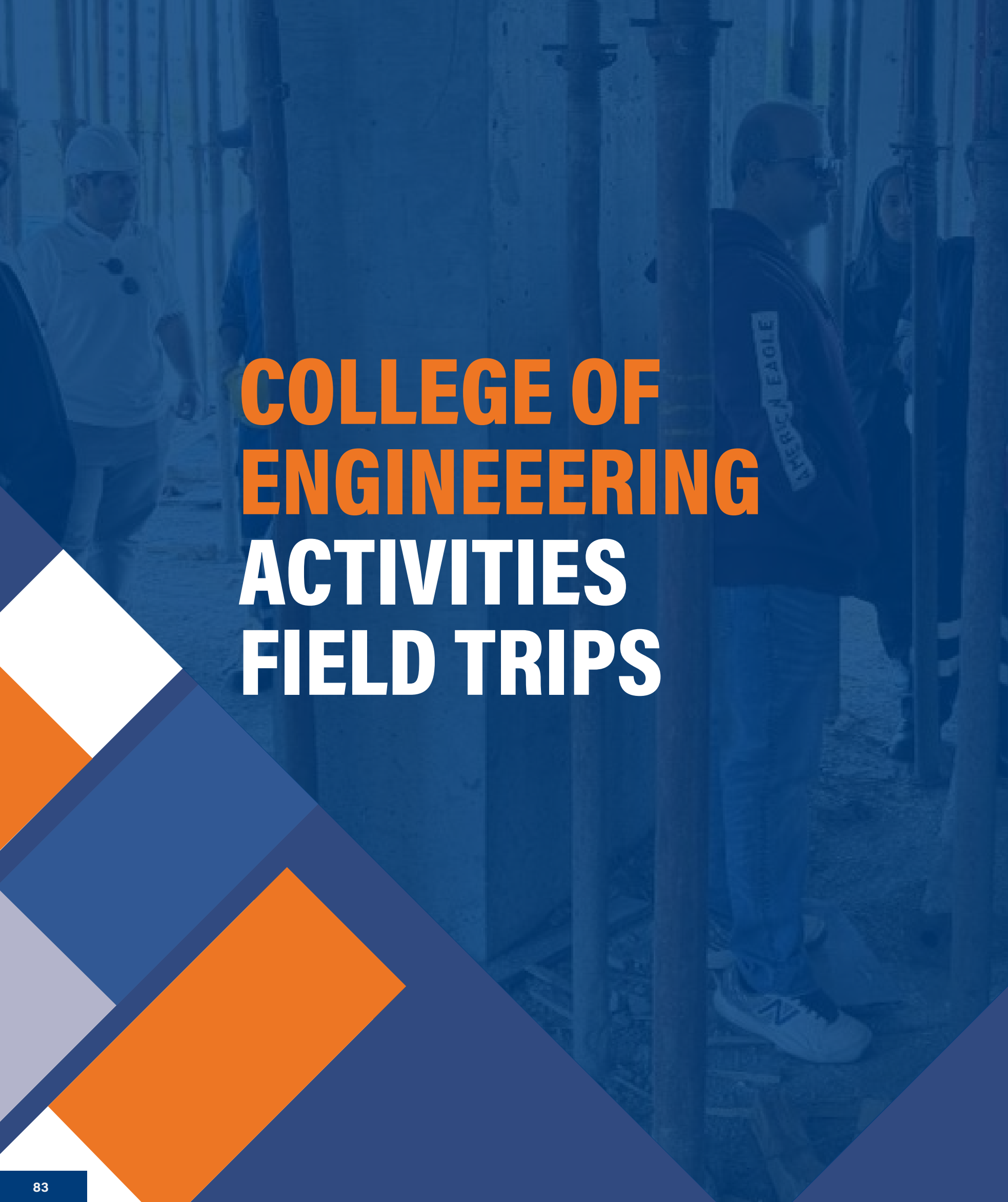


ELECTRICAL & ELECTRONICS ENGINEERING DEPARTMENT FACULTY MEMBERS PARTICIPATION IN HUAWEI TECHNOLOGIES EVENT AT THE JABER AL-AHMAD INTERNATIONAL STADIUM

17 faculty members from the Electrical and Electronics Engineering Department participated on Thursday 22nd of May 2025 in an event organized by Huawei Technologies at the Jaber Al-Ahmad International Stadium, aimed at exploring the capabilities of Wi-Fi 7. The event provided valuable insights into next-generation wireless technologies and their potential applications.







COLLEGE OF ENGINEERING **ACTIVITIES** **FIELD TRIPS**



TABLE OF CONTENT

▪ Mechanical Engineering Students First Field Trip to Veolia Company.	85
▪ Petroleum Engineering Students Visit the Eastern United Petroleum Services (EUPS) Logging Truck.	86
▪ Electrical and Electronics Engineering Students Field trip to KDD Factory.	87
▪ Civil Engineering Students Field Trip to ACICO.	88-89
▪ Civil Engineering Students Constuction Site Visit Contracted by Rawabi Al-Sham General Trading Company.	90
▪ Electrical and Electronics Engineering Students Field Trip to Yokogawa.	91-92
▪ Electrical and Electronics Engineering Students Field Trip to Ooredoo Tower in Kuwait City.	93
▪ Electrical and Electronics Engineering Students Field Trip to Doha West Power Station.	94
▪ Civil Engineering Students Concrete Constuction Site Visit to a Residential Building in Al-Masayel Area.	95
▪ Mechanical Engineering Students Field Trip to KOC Central Workshops.	96
▪ Civil Engineering Students Field Trip to Al Rakeb Steel Factory.	97
▪ Mechanical Engineering Students Field Trip to Kuwait Coast Guard.	98-99
▪ Civil Engineering Students Concrete Constuction Site Visit to a Residential Building in Sabah Al-Salem Area.	100
▪ Electrical and Electronics Engineering Students Field Trip to Al-Yasmin Farm.	101
▪ Electrical and Electronics Engineering Students Field Trip to IHS Mobile Telecommunication Tower.	102
▪ Electrical and Electronics Engineering Students Field Trip to Ooredoo Telecom Company.	103
▪ Civil Engineering Students Field Trip to Al-Riqqa Pumping Station.	104
▪ Civil Engineering Students Field Trip to Kirby Building Systems Mina Abdulla.	105
▪ Mechanical Engineering Students Field Trip to Petrochemical Industries Company (PIC) in Shuaiba.	106

MECHANICAL ENGINEERING STUDENTS

FIRST FIELD TRIP TO VEOLIA COMPANY

On Friday 18th of October 2024, a group of Mechanical Engineering students supervised by Dr. Abeer Al Anazi - Assistant Professor/Mechanical Engineering Department visited Veolia Company. The field trip was organized by Ms. Hana Alhouli, Talent Development & Communication Specialist at Veolia Kuwait.



The objective of the visit was to introduce senior bachelor's students to industrial work in Kuwait and expose them to the company's projects. During the visit, the students met with Mr. Ali Al-Mutairi, CEO of Veolia, and Eng. Mohammad Elmoeafi, Senior Operations Engineer. They were briefed on the company's activities, and a presentation was delivered regarding the ongoing projects and operations at Veolia.



PETROLEUM ENGINEERING STUDENTS VISIT THE EASTERN UNITED PETROLEUM SERVICES (EUPS) LOGGING TRUCK

During the Australian University “AU Career Fair” on Thursday 24th of October 2024 a group of Petroleum Engineering students supervised by Eng. Mufazzal Kabuli visited the Eastern United Petroleum Services (EUPS) Wireline Unit. The visit provided the students with an in-depth, hands-on educational experience about the operations of a petroleum well logging truck. It also introduced the students to the technology used in the oil and gas industry, demonstrated key job functions and highlighted career opportunities in petroleum engineering, geophysics and logging services.



The visit began with an explanation of the role of well logging in exploration and production activities. EUPS experts explained how well logging technology is used to gather crucial data about the subsurface, including rock formations, fluid content and reservoir characteristics.

Students were given a detailed tour of the EUPS petroleum well logging truck, which was equipped with advanced sensors and measurement tools. Key equipment on display included data acquisition systems and the truck's support infrastructure.

The logging truck's capability to operate in remote locations and harsh environments was highlighted, along with the importance of mobile units in wellsite operations.

ELECTRICAL AND ELECTRONICS ENGINEERING

STUDENTS FIELD TRIP TO KDD FACTORY

The Electrical and Electronics Engineering Department conducted three field trips for the students to the KDD factory on Monday 11th, Tuesday 12th and Wednesday 13th of November 2024 under the supervision of Dr. Kais Al-Abdullah, Eng. Eman Mostafa, and Eng. Sami Asaad.



The visit was made to the packing section in the KDD factory, where the students visited the production gallery. This section is equipped with advanced automated control systems that ensure precise and efficient packaging of dairy products, juices, and other food items. The process starts with the careful inspection and labeling of products with the date and the exact time of production, followed by automated filling, sealing, and capping. For dairy products, such as milk and yogurt, the packing process is carried out under strict hygienic conditions to prevent contamination and preserve freshness.



CIVIL ENGINEERING STUDENTS FIELD TRIP TO ACICO

As part of the “Civil Engineering Materials” course, students from Civil Engineering supervised by Dr. Ahmad Aiash, Assistant Professor / Civil Engineering Department visited ACICO Concrete Plant in Mina Abdullah on Tuesday 5th and Wednesday 13th of November 2024 to gain practical exposure to concrete production processes.



The students observed material handling, mixing, quality control tests such as the slump test, and sustainability practices like recycling water. Also, they learned about curing techniques, aggregate testing and the role of chemical admixtures in enhancing concrete properties.

The visit successfully bridged the gap between classroom learning and real-world applications, providing valuable industry insights.



The visit successfully bridged the gap between classroom learning and real-world applications, providing valuable industry insights.



CIVIL ENGINEERING STUDENTS CONSTRUCTION SITE VISIT CONTRACTED BY RAWABI AL-SHAM GENERAL TRADING COMPANY

On Wednesday 13th of November 2024, a group of Civil Engineering students supervised by Instructor Eng. Mohamad Al-Khiami and Lab Engineer Mr. Adel Jumaah visited a construction site. The project was contracted by Rawabi Al-Sham General Trading Company.



The site comprised a basement, ground floor and first floor. Students had the opportunity to bridge the gap between theoretical knowledge and practical application. They observed the preparation of steel reinforcement for the first-floor concrete casting and inspected already cast columns and slabs.



ELECTRICAL AND ELECTRONICS ENGINEERING

STUDENTS FIELD TRIP TO YOKOGAWA

Electrical and Electronics Engineering students participated in a field trip to Yokogawa in Shuaiba on Tuesday 19th of November 2024. The trip was supervised by Eng. Hania El Kanj, Senior Instructor in the Electrical and Electronics Engineering Department.

Yokogawa is a leading provider of industrial automation and test and measurement solutions. By combining superior technology with engineering services, project management, and maintenance, Yokogawa delivers field-proven operational efficiency, safety, quality, and reliability.



The visit included both theoretical and practical sessions. The presenter, Mr. Vadivelan Gnanvel, began with a theoretical presentation that was highly beneficial, covering all topics addressed in the course "Principles of Mechatronics." This presentation encompassed subjects related to instrumentation and mechatronics.

Overall, the field trip was extremely beneficial for the students as it helped them connect the knowledge acquired from various courses, including instrumentation, control systems, and principles of mechatronics.



ELECTRICAL AND ELECTRONICS ENGINEERING STUDENTS FIELD TRIP TO OOREDOO TOWER IN KUWAIT CITY

Two groups of Electrical and Electronics Engineering students, supervised by Dr. Amin Al Ka'bi, visited the Ooredoo Tower in Kuwait City on Tuesday 19th and Wednesday 20th of November 2024 as part of an educational field trip. This initiative aimed to provide students with practical insights into the operations of a leading telecommunications service provider in Kuwait.



The visit allowed participants to bridge theoretical concepts with real-world applications, focusing on mobile communications, data management and advanced networking technologies. The field trip comprised three main segments: a presentation by Ooredoo engineers, a tour of Ooredoo's data center and a site visit to one of Ooredoo's cellular base stations. Each segment was designed to enrich the students' understanding of telecommunications infrastructure and its critical role in modern communication networks.

This field trip to Ooredoo Kuwait was a highly enriching experience for the students, bridging the gap between classroom learning and industry practices.



ELECTRICAL AND ELECTRONICS ENGINEERING

STUDENTS FIELD TRIP TO DOHA WEST POWER STATION

Electrical and Electronics Engineering students field trip to Doha West Power Station on Thursday 21st of November 2024 supervised by Eng. Eman Mostafa.



The field trip was very beneficial to the students as they linked the knowledge that they have learnt in different courses such as power systems and electric machines.



CIVIL ENGINEERING STUDENTS CONCRETE CONSTRUCTION SITE VISIT TO A RESIDENTIAL BUILDING IN AL-MASAYEL AREA



Civil Engineering students field trip to concrete construction site on Saturday 23rd of November 2024, was supervised by Dr. Ahmad Saad, Dr. Reza Soleimanpour, Eng. Mohamad Al-Khiami and Eng. Adel Jumah. Students were given a tour by the site engineer in the project and watched a full slab concrete casting process. The project was a residential building in Al-Masayel area.



MECHANICAL ENGINEERING STUDENTS FIELD TRIP TO KOC CENTRAL WORKSHOPS



On Thursday 28th of November 2024, a group of diploma students from the Mechanical Engineering program supervised by Prof. Ahmad Sedaghat visited the KOC Central Workshops to provide the students with practical insights into pumps and valves. This experience will bridge the gap between theoretical knowledge and real-world applications, allowing students to observe manufacturing processes and safety protocols firsthand. Additionally, interactions with industry professionals will enhance their understanding of engineering roles and career opportunities in the field.

CIVIL ENGINEERING STUDENTS FIELD TRIP TO AL RAKEB STEEL FACTORY



Civil Engineering students field trip to Al Rakeb Steel Factory on Saturday 30 of November 2024 supervised by Dr. Mohammad Hany Yassi.

Students were introduced to the full steel structure design and fabrication process, covering analysis in Staad Pro, detailing in Tekla, CNC file conversion, cutting, forming, finishing, protection, and erection planning. They also observed the fabrication stages for ongoing projects, including the Al Haram expansion and other notable projects in Kuwait.

This hands-on experience provided valuable insights into the practical applications of steel structure engineering.



MECHANICAL ENGINEERING STUDENTS **FIELD TRIP TO KUWAIT COAST GUARD**



Mechanical Engineering students field trip to Kuwait Coast Guard at Fintas Kuwait on Wednesday 11th of December 2024 supervised by Dr. Nader Ghareeb and Dr. Ehab Bani Hani.



The students received a briefing about the history of the base and the coast guard's main tasks. Afterward, they toured different facilities inside the base, with facility managers providing detailed explanations about each location. Students had the opportunity to learn about the types and characteristics of deployed boats, gaining insights into the facilities that contribute to boat maintenance and operational longevity.



CIVIL ENGINEERING STUDENTS CONCRETE CONSTRUCTION SITE VISIT TO A RESIDENTIAL BUILDING IN SABAH AL-SALEM AREA



Civil Engineering students field trip to concrete construction site on Saturday 1st of February 2025, supervised by Dr. Ahmad Saad and Dr. Reza Soleimanpour. The students were given a tour by the site engineer in the project and watched a full slab concrete casting process. The project was a residential building in Sabah Al-Salem area.



ELECTRICAL AND ELECTRONICS ENGINEERING

STUDENTS FIELD TRIP TO AL-YASMIN FARM

Electrical and Electronics Engineering students field trip to Al-Yasmin Farm on Wednesday 19th of February 2025, was supervised by Dr. Hamzeh Aljarajreh. The students visited various sections, ending in the dairy production area at Al-Yasmin factory. Students toured the production gallery, which is equipped with advanced automated systems for precise and efficient dairy production. The process begins with milk being processed into final products, which are carefully inspected and labeled with production dates and times. Automated systems handle filling, sealing, and capping, all while maintaining strict hygiene standards to ensure freshness and prevent contamination. Students had the chance to see all these steps in action.



The field trip was extremely beneficial to the students as they linked the knowledge that they have learnt in different courses such as Programmable Logic Controllers and Control Systems.



ELECTRICAL AND ELECTRONICS ENGINEERING STUDENTS **FIELD TRIP TO IHS MOBILE TELECOMMUNICATION TOWER**



Electrical and Electronics Engineering students' field trip to IHS Mobile Telecommunication Tower in Kuwait on Wednesday 9th April 2025, was supervised by Dr. Amin Al Ka'bi. The students observed the physical tower, a lattice structure approximately 40 meters tall, designed to support multiple antennas. The engineers explained the importance of structural integrity to withstand Kuwait's harsh weather conditions, such as high winds and extreme heat. The tour included a look at the power supply unit, featuring solar panels and diesel generators as backup. Students were introduced to the concept of energy efficiency in tower operations, a critical factor in reducing operational costs.

Additionally, the tour highlighted the tower's array of directional and omnidirectional antennas, optimized for 4G and 5G networks. Students learned about antenna gain, beamforming, and frequency bands (e.g., 3.5 GHz for 5G), directly relating to their coursework on electromagnetic fields and communication systems. The engineers explained the tower's grounding mechanisms to protect against lightning strikes, a practical application of circuit protection principles taught in class.



At the tower's base, students examined the BTS equipment, including transceivers, amplifiers, and cooling systems. The engineers demonstrated how signals are processed and transmitted, emphasizing the role of digital signal processing (DSP).

The field trip provided students with a wealth of technical knowledge, reinforcing and expanding their classroom learning.



ELECTRICAL AND ELECTRONICS ENGINEERING STUDENTS FIELD TRIP TO OOREDOO TELECOM COMPANY

Electrical and Electronics Engineering students field trip to Ooredoo Telecom Company on Tuesday 15th of April 2025, the visit was organized through Eng. Sami Asaad, who recommended Ooredoo as a valuable destination for technical exposure. The students were accompanied by Eng. Reem Akasha, who guided and supported them throughout the visit.



The field trip provided an enriching educational experience, offering students firsthand exposure to diverse facets of the telecom industry. Their curiosity was evident as they engaged actively and posed insightful questions throughout the visit. Ultimately, the trip deepened their understanding of the field and sparked a greater interest in telecommunications.



CIVIL ENGINEERING STUDENTS FIELD TRIP TO AL-RIQQA PUMPING STATION



Civil Engineering students' field trip to the Al-Riqqa Pumping Station in Kuwait on Wednesday, April 16, 2025, was supervised by Dr. Sana Al-Ezzah and accompanied by Eng. Maram Al-Far and Eng. Nouf Mubarak. This visit offered our students an invaluable practical context to their academic studies. Witnessing the Al-Riqqa Pumping Station firsthand provided a tangible understanding of the design principles and operational challenges associated with large-scale wastewater conveyance and preliminary treatment. Observing the integration of hydraulic controls, screening systems, grit removal processes, high-capacity pumps and essential odor control measures demonstrated the real-world application of engineering solutions designed to manage significant urban flows efficiently while mitigating environmental impacts. Furthermore, understanding the station's role within the broader network connecting to Ardiya and Sulaibiya, alongside the plans for future expansion, underscored the importance of system-level thinking, scalability and long-term planning in sustainable water infrastructure design.



CIVIL ENGINEERING STUDENTS FIELD TRIP TO KIRBY BUILDING SYSTEMS MINA ABDULLA



Civil Engineering students' field trip to Kirby Building Systems Mina Abdulla in Kuwait on Thursday, April 17, 2025, was supervised by Dr. Mohammad Hany Yassin. The objective of the visit was to provide students with direct exposure to real-world structural steel fabrication processes and to reinforce their understanding of structural system behavior, production methodologies and industrial applications.

The visit began with a comprehensive guided tour of the manufacturing plant, where students observed key stages of production. The tour included a visit to the fabrication bay for built-up steel structural sections, where large custom steel members are fabricated using welding and automated assembly systems. Additionally, the students toured the cold-formed steel production bay, where they observed the continuous roll-forming process used to manufacture lightweight steel profiles commonly used in wall panels, purlins and secondary framing systems. The visit also covered the manufacturing of sandwich panels and roof sheeting plates, offering insight into composite wall and roof systems widely used in industrial and commercial steel buildings.

The technical tour was followed by a specialized lecture delivered by Dr. Shema Saeed, Manager of the Engineering Division at Kirby. The lecture focused on the modeling, analysis and design of steel structures, with a particular emphasis on the integration of structural design with fabrication and erection processes. Dr. Saeed also introduced students to commonly used structural analysis and design software tools in the steel construction industry, highlighting their role in ensuring accuracy, efficiency and compliance with modern design standards.



MECHANICAL ENGINEERING STUDENTS FIELD TRIP TO PETROCHEMICAL INDUSTRIES COMPANY (PIC) IN SHUAIBA



Mechanical Engineering students field trip to the Petrochemical Industries Company (PIC) on Wednesday 30th of April 2025, supervised by Dr. Nader Ghareeb. The visit allowed students to see the practical application of concepts learned in the classroom. Observing the design and operation of actual plant facilities helped bridge the gap between theory and practice.

The students also gained a deeper understanding of the complexities involved in petrochemical plant operations. They observed how various systems and processes are integrated to ensure the efficient and safe production of fertilizers and other products. Additionally, students learned about the importance of health and safety through the strict measures in place, which aim to prevent accidents and minimize environmental impact.





COLLEGE OF ENGINEERING SEMINARS

College of Engineering Weekly Seminar/Workshop Schedule

Fall 2024 – 2025 Semester

Name	Guest Speaker CoE Faculty	Department	Seminar Topic	Seminar Date	Time	Location
September 2024						
Dr. Hayder Salem – Associate Professor	CoE Faculty	Mechanical Engineering	Automated Instrument for Testing Natural Fibers Physical Properties	17 September 2024	12:00 – 01:00 PM	Auditorium/MS Teams
Prof. Dylan Lu	Guest Speaker	Electrical & Electronics Engineering	More Reliable Power Electronic Converters: Reliability Assessments and Converter Design and Operation	24 September 2024	12:00 – 01:00 PM	MS Teams
October 2024						
Eng. Sarah Akbar – CEO and Chairperson of OILSERV Kuwait and Board Member in Life Energy Company	Guest Speaker	Petroleum Engineering	Kuwait Energy Transition Agenda	1 October 2024	12:00 – 01:00 PM	Auditorium/MS Teams
Dr. Ahmad Aaish – Assistant Professor	CoE Faculty	Civil Engineering	Urban Mobility Safety in Barcelona: An Evaluation of Risk Factors and Techniques to Achieve Vision Zero	8 October 2024	12:00-01:00 PM	Auditorium/MS Teams
Dr. Abdullah A. Al-Shammari Assistant Professor of Mathematics Kuwait University	Guest Speaker	Mathematics and Physics	Estimating Strain Intrinsic Transmissibility via Invasion Timescale Thresholding: A Nonlinear Dynamics Approach	15 October 2024	12:00-01:00 PM	Auditorium/MS Teams
Dr. Suleiman M. Suleiman Associate Research Scientist at (KISR)	Guest Speaker	Mechanical Engineering	Challenges and Contributions of Gas Turbines in the Energy Transition	22 October 2024	12:00 – 01:00 PM	Auditorium/MS Teams
November 2024						
Dr. Amin Al Ka'bi – Associate Professor	CoE Faculty	Electrical & Electronics Engineering	Nanotechnology: Future Trends and Applications in Electrical Engineering	5 November 2024	12:00 – 01:00 PM	Auditorium/MS Teams
Dr. Sadeq Damrah – Assistant Professor	CoE Faculty	Mathematics & Physics	Dynamic Disease Models for Advanced Financial Risk Management	12 November 2024	12:00 – 01:00 PM	Auditorium/MS Teams
Dr. Umair Farooq – Senior Project Manager, WTE Wassertechnik GmbH, Kuwait Branch	Guest Speaker	Civil Engineering	Life as a Civil Engineer and the Umm Al Hayman Wastewater Treatment Project	19 November 2024	12:00 – 01:00 PM	Auditorium/MS Teams
December 2024						
Dr. Mohammad Mahdi Salehi – Senior CFD Researcher, Ekona Power, Canada	Guest Speaker	Mechanical Engineering	Computational Fluid Dynamic Simulation of Turbulent Reacting Flows	3 December 2024	12:00 – 01:00 PM	Auditorium/MS Teams

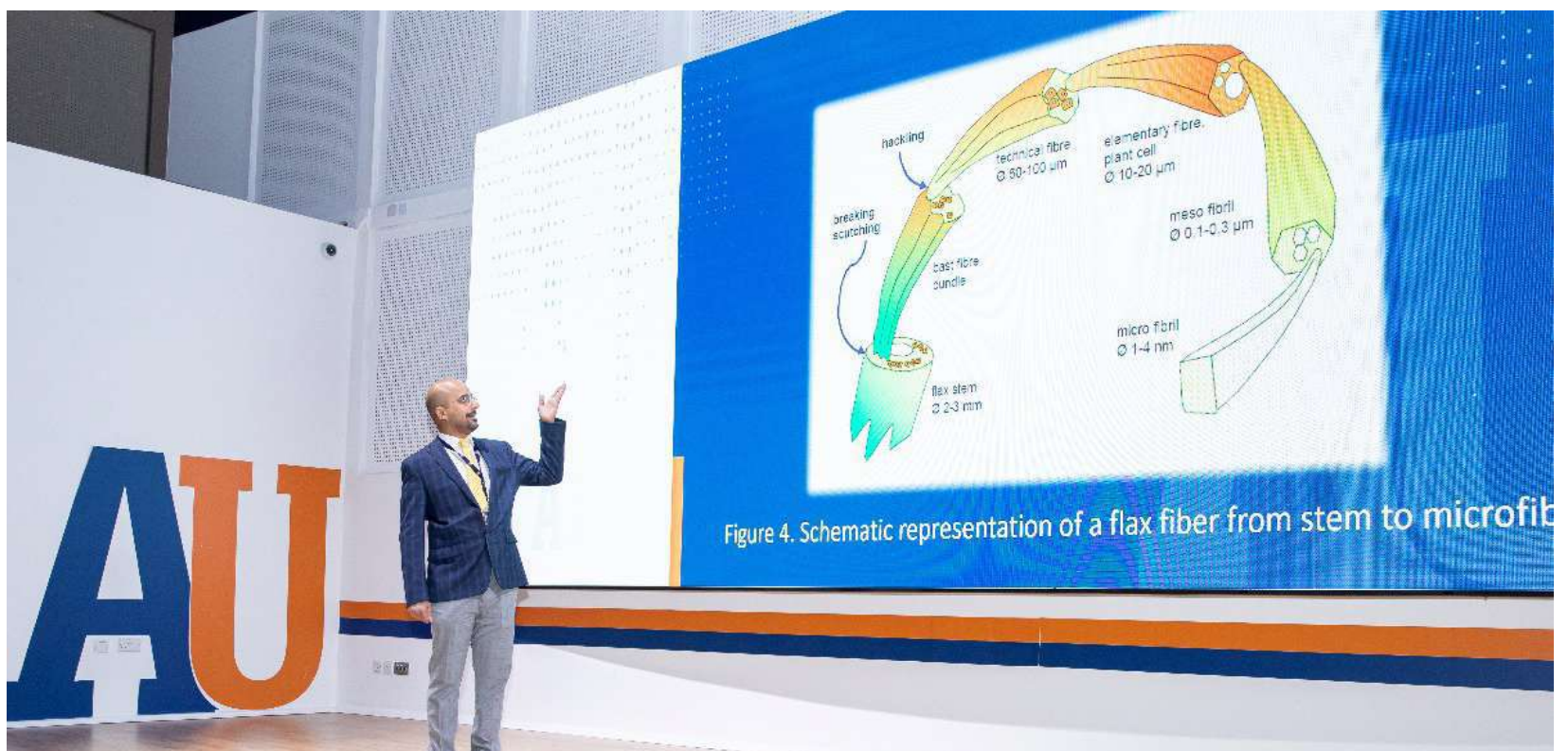
Mechanical Engineering Department	3
Civil Engineering Department	2
Petroleum Engineering Department	1
Electrical Engineering Department	2
Mathematics & Physics Department	2
Total Seminars	10

DR. HAYDER SALEM

"AUTOMATED INSTRUMENT FOR TESTING NATURAL FIBERS PHYSICAL PROPERTIES"



"Automated Instrument for Testing Natural Fibers Physical Properties" seminar presented by the Mechanical Engineering Department faculty member Dr. Hayder Salem at the Australian University (AU) on Tuesday 17th of September 2024.



PROF. DYLAN LU

"MORE RELIABLE POWER ELECTRONIC CONVERTERS: RELIABILITY ASSESSMENTS AND CONVERTER DESIGN AND OPERATION"

The screenshot shows a video conference interface. On the left, a presentation slide for UTS (University of Technology Sydney) is displayed. The slide title is "More Reliable Power Electronic Converters" with a subtitle "– Reliability Assessment, Modelling Device Aging and Converter Design and Control". The presenter is identified as Professor Dylan Lu, from the School of Electrical and Data Engineering, Faculty of Engineering and IT, University of Technology Sydney, Australia. On the right side of the interface, there are three video feeds of participants: Hamzeh Aljarajreh, Dylan Lu (the presenter), and Kingsley Amadi.

"More Reliable Power Electronic Converters: Reliability Assessments and Converter Design and Operation" seminar presented by the Electrical and Electronics Engineering Department guest speaker Professor Dylan Lu on the M.S Teams on Tuesday 24th of September 2024.

Lifespan Comparison



ENG. SARAH AKBAR **"KUWAIT ENERGY TRANSITION AGENDA"**



"Kuwait Energy Transition Agenda" seminar presented by the Petroleum Engineering Department guest speaker Eng. Sarah Akbar at the Australian University (AU) on Tuesday 1st of October 2024.



DR. AHMAD AAISH

"URBAN MOBILITY SAFETY IN BARCELONA: AN EVALUATION OF RISK FACTORS AND TECHNIQUES TO ACHIEVE VISION ZERO"



"Urban Mobility Safety in Barcelona: An Evaluation of Risk Factors and Techniques to Achieve Vision Zero" seminar presented by the Civil Engineering Department faculty member Dr. Ahmad Aaish at the Australian University (AU) on Tuesday 8th of October 2024.



DR. ABDULLAH AL-SHAMMARI

***"ESTIMATING STRAIN INTRINSIC TRANSMISSIBILITY VIA
INVASION TIMESCALE THRESHOLDING: A NONLINEAR
DYNAMICS APPROACH"***



"Estimating Strain Intrinsic Transmissibility via Invasion Timescale Thresholding: A Nonlinear Dynamics Approach" seminar presented by the Mathematics and Physics Department guest speaker Dr. Abdullah Al-Shammari at the Australian University (AU) on Tuesday 15th of October 2024.



DR. SULEIMAN M. SULEIMAN

**"CHALLENGES AND CONTRIBUTIONS OF GAS TURBINES
IN THE ENERGY TRANSITION"**



"Challenges and Contributions of Gas Turbines in the Energy Transition" seminar presented by the Mechanical Engineering Department guest speaker Dr. Suleiman M. Suleiman at the Australian University (AU) on Tuesday 22nd of October 2024.



DR. AMIN AL KA'BI

"NANOTECHNOLOGY: FUTURE TRENDS AND INNOVATIVE APPLICATIONS IN ELECTRICAL ENGINEERING"



"Nanotechnology: Future Trends and Innovative Applications in Electrical Engineering" seminar presented by the Electrical and Electronics Engineering Department faculty member Dr. Amin Al Ka'bi at the Australian University (AU) on Tuesday 5th of November 2024.



DR. SADEQ DAMRAH

***"DYNAMIC DISEASE MODELS FOR ADVANCED
FINANCIAL RISK MANAGEMENT"***



"Dynamic Disease Models for Advanced Financial Risk Management" seminar presented by the Mathematics and Physics Department faculty member Dr. Sadeq Damrah at the Australian University (AU) on Tuesday 12th of November 2024.



DR. UMAIR FAROOQ

"LIFE AS A CIVIL ENGINEER AND THE UMM AL HAYMAN WASTEWATER TREATMENT PROJECT"



"Life as a Civil Engineer and the Umm Al Hayman Wastewater Treatment Project" seminar presented by guest speaker Dr. Umair Farooq at the Australian University (AU) on Tuesday 19th of November 2024.



DR. MOHAMMAD MAHDI SALEHI

"COMPUTATIONAL FLUID DYNAMIC SIMULATION OF TURBULENT REACTING FLOWS"

The screenshot shows a Microsoft Teams meeting interface. At the top, there is a row of participant avatars with initials: MS, DK, DN, DM, DH, OY, and OD. The main content area displays a presentation slide titled "Introduction". The slide lists various engineering systems where turbulent reacting flows are found: Gas Turbines, Gas Flares, Industrial Furnaces, Chemical Reactors, Power Generation, Wildfires, Hypersonic Flow, and Aerospace Propulsion. To the right of the text are three images: a blue flame, a large industrial flare, and a series of small flames. The bottom of the slide includes the text "CFD Simulation of Turbulent Reacting Flows" and "M. Mahdi Salehi, PhD, Senior CFD Researcher, Ekona Power." On the right side of the Teams window, a "Participants" list is visible, showing the names of the attendees.

"Computational Fluid Dynamic Simulation of Turbulent Reacting Flows" seminar presented by the Mechanical Engineering Department guest speaker Dr. Mohammad Mahdi Salehi on the M.S Teams on Tuesday 3rd of December 2024.

The screenshot shows a Microsoft Teams meeting interface. At the top, there is a row of participant avatars with initials: MS, DK, DN, DM, DH, OY, and OD. The main content area displays a presentation slide titled "Chemical Kinetics". The slide lists the "Soot formation Mechanism" as having a very complex kinetics involving polycyclic aromatic hydrocarbons (PAH). To the right of the text is a diagram illustrating the soot formation process, showing the progression from fuel and oxidizer to small radicals, small aromatics, precursors, incipient particles, agglomerates, and finally oxidation products and graphitic aggregates. The bottom of the slide includes the text "Image Credit: Michelsen, Proceedings of the combustion institute, 2017" and "CFD Simulation of Turbulent Reacting Flows" and "M. Mahdi Salehi, PhD, Senior CFD Researcher, Ekona Power." On the right side of the Teams window, a "Participants" list is visible, showing the names of the attendees.

College of Engineering Weekly Seminar/Workshop Schedule

Spring 2024 – 2025 Semester

Name	Guest Speaker CoE Faculty	Department	Seminar Topic	Seminar Date	Time	Location
February 2025						
Eng. Hosam A. Jamal – Team Leader Environment – KNPC	Guest Speaker	Petroleum	Energy Transition at Oil Sector in Kuwait	3 February 2025	12:30 – 02:00 PM	Auditorium
Dr. Amin Al Ka'bi – Associate Professor	CoE Faculty	Electrical & Electronics	Current Developments & Future Trends in Electronics & Integrated Circuits	17 February 2025	12:30 – 02:00 PM	Auditorium
April 2025						
Dr. Naveed Ahmed Associate Professor Department of Mathematics and Natural Sciences Chair - Center for Applied Mathematics & Bioinformatics (CAMB) Gulf University for Science and Technology.	Guest Speaker	Mathematics & Physics	Higher-Order Discontinuous Galerkin Time Discretization & Convection Stabilized Pressure Robust Method for Transient NavierStokes equations	7 April 2025	12:30 – 02:00 PM	Auditorium
Dr. Morteza Mohammazadeh – Associate Professor and Head of Engineering Department, Germany University of Technology, Oman	Guest Speaker	Mechanical	Data-driven Approach to Engineering	9 April 2025	12:30 – 02:00 PM	Auditorium
May 2025						
Dr. Masoud Irannezhad – Assistant Professor	CoE Faculty	Civil	The Future Appearance of Water Scarcity in the Arabian Peninsula	5 May 2025	12:30 – 02:00 PM	Auditorium

Mechanical Engineering Department	1
Civil Engineering Department	1
Petroleum Engineering Department	1
Electrical Engineering Department	1
Mathematics & Physics Department	1
Total Seminars	5

ENG. HOSAM JAMAL **"ENERGY TRANSITION AT OIL SECTOR IN KUWAIT"**



"Energy Transition at Oil Sector in Kuwait" seminar presented by the Petroleum Engineering Department guest speaker Eng. Hosam Jamal at the Australian University (AU) on Monday 3rd of February 2025.



DR. AMIN AL KA'BI

**"CURRENT DEVELOPMENTS & FUTURE TRENDS IN
ELECTRONICS & INTEGRATED CIRCUITS"**



"Current Developments & Future Trends in Electronics & Integrated Circuits" seminar presented by the Electrical & Electronics Engineering Department faculty member Dr. Amin Al Ka'bi at the Australian University (AU) on Monday 17th of February 2025.



DR. NAVEED AHMED

***"HIGHER-ORDER DISCONTINUOUS GALERKIN TIME
DISCRETIZATION & CONVECTION STABILIZED PRESSURE
ROBUST METHOD FOR TRANSIENT NAVIER-STOKES EQUATIONS"***



"Higher-Order Discontinuous Galerkin Time Discretization & Convection Stabilized Pressure Robust Method for Transient Navier-Stokes equations" seminar presented by the Mathematics and Physics Department guest speaker Dr. Naveed Ahmed at the Australian University (AU) on Monday 7th of April 2025.



DR. MORTEZA MOHAMMASZAHERI

"DATA-DRIVEN APPROACH TO ENGINEERING"



SEMINAR ANNOUNCEMENT

"DATA DRIVEN APPROACH TO ENGINEERING"



Dr. Morteza Mohammadzaheri

Associate Professor and Head of Engineering Department



9th April, 2025



12:30 PM - 2:00 PM



MS Teams

"Data-driven Approach to Engineering" seminar presented by the Mechanical Engineering Department guest speaker Dr. Morteza Mohammazaheri on the M.S Teams on Wednesday 9th of April 2025.

Data Collection 2

Design of Experiments/Data Collection

Tests may be designed based on the data needed for analysis or data-driven modelling

Examples

Large enough sample

The frequency and amplitude range of excitations

The sample time

How to define? We need to know about the problem .
Engineers can do this.



DR. MASOUD IRANNEZHAD

"THE FUTURE APPEARANCE OF WATER SCARCITY IN THE ARABIAN PENINSULA"



"The Future Appearance of Water Scarcity in the Arabian Peninsula" seminar presented by the Civil Engineering Department faculty member Dr. Masoud Irannezhad at the Australian University (AU) on Monday 5th of May 2025.





COLLEGE OF ENGINEERING PRESENTATIONS & TRAININGS

SENIOR GRADUATE STUDENTS FIRST MEETING WITH KISR



On Monday 23rd of September 2024, Dr. Suad Al Radhwan Assistant Professor / Petroleum Engineering Department accompaniment with a group of Petroleum Engineering senior students attended a meeting with Kuwait Institute for Scientific Research (KISR) - Renewable Energy Department.



The meeting's purpose was to brief KISR about the project topic and expose the students to the Solar PV. Also, to provide the students with access to related energy software programs. The students benefited from this visit and gained good knowledge about the PV solar and its implementation. At the end of the meeting, KISR took the students on a tour to see the several types of PVs in KISR laboratory.

GPCA LEADERS OF TOMORROW PROGRAM AT AU

On Thursday 17th of October 2024, the Gulf Petrochemical and Chemical Association (GPCA) Youth Council was invited by the College of Engineering to introduce the “Leaders of Tomorrow Program” to the Australian University (AU) students. The program aimed to equip the students with the tools and insights necessary to shape a sustainable future in the petrochemical and chemical industries.



The event commenced with a presentation by Dr. Jean El Achkar, Assistant Professor at the Petroleum Engineering Department and event coordinator, highlighting the milestones achieved through the partnership between GPCA and AU.



The first session, Introduction to GPCA and the Arabian Gulf Chemical Industry, was delivered by Ms. Dima Hourani and Ms. Anwar Al-Awadhi from GPCA. They gave students a comprehensive overview of the industry's history and vital role in the region's economic development.



The second session, Mr. Fadi Matar from Dow Chemical Company led a thought-provoking discussion on Innovation inside the Chemical Industry, offering students insights into how the industry drives sustainability and innovation. The session also highlighted the key roles students can play in this evolving landscape.

The third session, Navigating the Shift from Campus to Career, presented by Mr. Meshari Al-Ahmad from PIC, offered students practical advice on transitioning from university to the corporate world. His personal experiences and actionable tips provided valuable guidance for their future careers.



The event concluded with certificates of appreciation presented to the speakers and the GPCA Youth Council, acknowledging their contributions.



Al Anba	Page 5	Sunday 11/3
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الجامعة الأسترالية تستضيف برنامج 'قادة الغد' GPCA



جانب من التكريم على هامش الحفل

قدمها مشاري الأحمد من شركة صناعة الكيماويات البترولية، وفي الختام أهدت أسفا جوقيل عرضاً موجزاً سلطت فيه الضوء على أنشطة GPCA، ودعت الطلاب الحاضرين للانضمام إلى برنامج قادة GPCA للغد الذي سيقام في مسقط ديسمبر 2024، وشمل البرنامج أيضاً جلسات نقاش تفاعلية، حيث تبادل الطلاب الأفكار والأسئلة مع المتحدثين حول مستقبلهم في قطاع الكيماويات، واختتمت الفعالية بتوزيع شهادات تقدير على المتحدثين ومجلس شباب GPCA تقديراً لدورهم في إنتاج البرنامج.

بين GPCA والجامعة الأسترالية، مشيراً إلى النجاحات البارزة التي تحققت من خلال هذه الشراكة. وبعد اللقمة تم توزيع البرنامج إلى ثلاث جلسات تضمنت عدداً من المتحدثين الذين قدموا نظرة ثاقبة للحضور عن المجال بالإضافة إلى نصائح عملية تهيئ الطلاب للانتقال من بيئة الجامعة إلى بيئة العمل. وأدعت دلال الهولي الحفل بداية مع الجلسة الأولى بمشاركة كل من دينا حوراني وأثوار العوضي من GPCA، ثم تابع فادي مدور من شركة داف للكيماويات الجلسة الثانية، أما الجلسة الثالثة فقد

استضافت الجامعة الأسترالية ميسادة «سادة الغد» بالتعاون مع مجلس الشباب التابع لاتحاد الخليجي للبتروكيماويات والكيماويات «GPCA»، تعزيزاً للشراكة التي نشأت بين الطرفين وفق مذكرة التفاهم المشتركة بينهما. ووفق البرنامج تجربة تعليمية قيمة لطلبة الجامعة وزودهم بمهارات فعالة لصياغة مستقبل مستدام في المجال. بدأ البرنامج بكلمة القامحا «دجان الأشقر» استاذ مساعد في قسم هندسة البترول لدى الجامعة الأسترالية، حيث سلط الضوء على الرحلة التعاونية المشتركة

RESEARCH COLLABORATION WITH PAAF

Reflecting his commitment to sustainability and innovation, Dr. Jean El Achkar - Assistant Professor/ Petroleum Engineering Department at the Australian University (AU), initiated a research collaboration with the Public Authority for Agriculture Affairs and Fish Resources (PAAF) in Kuwait.



On Sunday 13th of October 2024 Dr. Jean El Achkar along with his senior students Sara Alenezi, Mohsen Alajmi, Ghazl Alkhayat and Khalid Alqaoud met with the PAAF team to discuss their senior project, "Enhancing Agricultural Sustainability in Kuwait by Converting Waste into Bioenergy within a Circular Economy." This project explores converting agricultural waste and cow manure into renewable bioenergy, a key step in supporting Kuwait's sustainability goals and advancing its agricultural sector. This productive meeting marks the beginning of an impactful collaboration, and AU looks forward to the promising outcomes that will emerge from this joint effort.



PROFESSIONAL DEVELOPMENT SESSION CONDUCTED BY CARRIER



On Tuesday 15th April 2025, the students of the Mechanical Engineering Department, supervised by Dr. Wisam Al Saadi, participated in a professional development (PD) session on Variable Refrigerant Flow (VRF) systems conducted by Carrier. The session offered students an in-depth introduction to advanced HVAC technology, covering the fundamental principles of VRF operation, key system components, control loop mechanisms, and the energy efficiency advantages of this technology.

Through a combination of hands-on demonstrations and real-world case studies, students deepened their understanding of practical applications, system control strategies, and troubleshooting methods. The inclusion of control loop discussions allowed students to explore how sensors, controllers, and actuators work together to maintain optimal system performance.

By the end of the session, participants had gained valuable practical experience, a solid foundation in VRF system design and control, and were awarded a certificate of participation from Carrier.





COLLEGE OF ENGINEERING STUDENTS' GRADUATION EXHIBITION

EXHIBITION OF ENGINEERING STUDENTS' GRADUATION PROJECTS



The Graduation Projects Exhibition is a signature event of the College of Engineering at the Australian University. It is held twice a year at the end of the Fall and Spring semesters. It marks the result of students' academic journeys, showcasing innovative final-year projects that tackle real-world engineering challenges. The event is the result of coordinated efforts among the College, academic departments, and various University units, including marketing, student affairs, and external relations. This collaboration ensures a professional and impactful exhibition.

The projects reflect students' technical skills, creativity, and readiness for industry. The exhibition also provides a platform for engagement with industry partners, alumni, and the wider community, underscoring the University's commitment to experiential learning and engineering excellence.

EVENT COORDINATOR:

Dr. Mohamad Farhat – Associate Professor
Electrical and Electronics Engineering Department

EVENT ASSISTANT:

Mrs. Amani Abed Al Hai - Senior Officer
Academic Administration - Electrical and Electronics
Engineering Department

FALL 2024-2025

For Fall 2024, the CoE Exhibition of Engineering Students' Projects at the Australian University took place on December 10th, 2024, at Salwa Al Sabah , Ballroom in Salmiya, under the patronage of His Excellency Dr. Nader Abdullah Al Jallal Minister of Education and Minister of Higher Education and Research, represented by His Excellency Engineer Adel Al Badr, the PUC General Secretary.

LifeEnergy **AU** **الجامعة**
الأسترالية
AUSTRALIAN
UNIVERSITY
الكويت
KUWAIT
Australian Embassy

THE EXHIBITION OF ENGINEERING STUDENTS' GRADUATION PROJECTS FALL 2024/2025

**Under the patronage of his Excellency
The Minister of Higher Education and Scientific Research
Dr. Nader Abdullah Al Jallal**

**The College of Engineering at the Australian University (AU) and its
Dean Dr. Mohammed Abdul-Niby are honored to invite you to attend
"The Exhibition of Engineering Students' Graduation Projects"
on Tuesday, December 10th, 2024, at 11:00 A.M.
Venue: Salwa Al Sabah Ballroom – Salmiya.**

**For more information,
Please contact Dr. Mohamad Farhat on 96028663**

OPENING CEREMONY



A total of 81 students proudly showcased 19 graduation projects spanning various engineering disciplines. Most of these projects were centered around cutting-edge technologies such as artificial intelligence (AI) and sustainability, offering innovative solutions to real-world challenges.

The exhibition was further elevated by the participation of 30 esteemed evaluators from leading companies and organizations. These experts generously contributed their time and knowledge to assess the projects, engage with the students, and provide valuable insights, ensuring that the hard work and achievements of the participants were recognized and celebrated.

The event welcomed distinguished guests, industry professionals, proud families, and faculty members, all of whom were inspired by the creativity, technical expertise, and dedication demonstrated by the students. The exhibition stands as a testament to their hard work and readiness to contribute meaningfully to the engineering industry and the wider community."













WINNERS ANNOUNCEMENT - COLLEGE OF ENGINEERING



CIVIL ENGINEERING DEPARTMENT





ELECTRICAL & ELECTRONICS ENGINEERING DEPARTMENT





PETROLEUM ENGINEERING DEPARTMENT



WINNERS ANNOUNCEMENT - SMART ENERGY



Projects Evaluation Process:

Internal evaluators from AU, as well as external evaluators from industry, were invited to evaluate the displayed projects during the Graduation Projects Exhibition. The evaluation was conducted by filling electronically in an evaluation sheet shared by email with each assessor. The evaluation process of each project considered the following criteria:

- 1) Originality/ability to create new knowledge
- 2) Project aims and objectives
- 3) Project outcomes and findings
- 4) Significance and relevance to Kuwait economy/industry
- 5) Presentation Quality (e.g., video, abstract...)

Petroleum					
	Name	Title	Company	Email	Contact Number
1	Ahmad Al Otaibi	CEO	Petroleum Dynamics	President@petrodynkuw.com	9444-4038
2	Hamad AlRadhan	CEO	Life Energy	h.alradhan@thelifeenergy.com	9984 9897
3	Khaled Bushaiba	Engineer, Into Plane	KAFCO	kmb@kafco.com	9995 0300
4	Yaqoub Bader Yaqoub Ali	Senior Engineer, Process	KIPIC	y.yaqoubali@kipic.com.kw	
5	Fatemah Mataqi	WCD Sales Manager - Drilling	SLB (Schlumberger)	FGhaleb@slb.com	9499 7824
6	Ashjan Hussain Bager	Industrial Engineer (Recruiter)	SLB (Schlumberger)	ABager2@slb.com	9792 9508
7	Saleh Msaed Saad Almuhaeni	Senior Engineer, R&T	KIPIC	s.muhaeni@kipic.com.kw	
Civil					
	Name	Title	Company	Email	Contact Number
1	Dr Umair Farooq	Senior Project Manager DBO	WTE Wassertechnik GmbH, Kuwait Branch	Umair.Farooq@wte.de	6006 8868
2	Dena Alnashie	CEO	Al Nasser Al Nashie United Company	dnashie@nnuc.net	
3	Dr. Yousef Alshammari	Assistant Research Scientist	KISR	yshammari@kisir.edu.kw	9771 0060
4	Dr. Zafer Sakka	Research Scientist	KISR	zsakka@kisir.edu.kw	5563 0099
5	Almeqdad Mohamad	Specialist, Structural & Civil Engineer	IHS Towers	almeqdad.mohammad@ihstowers.com	9550 1285
6	Dr. Anwar Al-Ibrahim	Assistant Professor	Kuwait University	anwar.alibrahim@ku.edu.kw	6655 6556
Electrical					
	Name	Title	Company	Email	Contact Number
1	Qais AbdulHadi	Service Manager	National Oilwell Varco (NOV)	Qais.AbdulHadi@nov.com	9896 7916
2	Anas Ali Abdulaziz Al-Qousi	Senior Manager of Network Optimization	Ooredoo	aqousi@ooredoo.com.kw	6636 2021
3	Hebah Abbas	Chairwoman Sustainability Committee	Kuwait Water Association	hebah@kwa.org.kw	9988 3455
4	Fahad AlOthman	Product Delivery Manager	SLB (Schlumberger)	falothman@slb.com	9677 9996
5	Abdallah Abu Seido	Cluster Owner	IHS Towers	abdullah.seido@ihstowers.com	
6	Hussein Hamdan	Cluster Owner	IHS Towers	houssein.hamdan@ihstowers.com	
7	Qais Samawi	Director, Towers Operations Center	IHS Towers	qais.samawi@ihstowers.com	
8	Wissam Ladjohounlou	Network Operations Engineer	IHS Towers	wissam.ladjohounlou@ihstowers.com	
9	Saravanan Murugesan	Electrical Engineer	K-PAK	kpakmaintenance@kuwaitpack.com	9600 6840
Mechanical					
	Name	Title	Company	Email	Contact Number
1	Dr. Wagdy Said	Plant Manager	Aquasan	w.said@aquasan.com.kw	6044 1632
2	Abdulaziz Alshoail	Sales Director	National Oilwell Varco (NOV)	Abdulaziz.Alshoail@nov.com	9793 3539
3	Abdulrahman Al-Awadhi	Acting Senior Controller, Business Improvement Processes (IMS)	KAFCO	ama001@kafco.com	9750 6761
4	Dr. Hidab Al-Hamwi	Researcher	KISR	hhamwi@kisir.edu.kw	5053 3882
5	Nawaf Al-Hasan	Maintenance Manager (KW Talent Acquisition Mgr)	SLB (Schlumberger)	nalhasan@slb.com	9752 9958
6	Mohammed Akbar	Testing Engineer	GE	Mohammed.Akbar@ge.com	
7	Fatemah Sadayan	Mechanical Engineer	K-PAK	fatima@kuwaitpack.com	9798 9421
8	Mohammed Elgendy	Mechanical Engineer	K-PAK	elgendy@kuwaitpack.com	6038 7603



Scan this QR code to access the booklet and view all project descriptions from various departments

EXHIBITION OF ENGINEERING STUDENTS' GRADUATION PROJECTS **SPRING 2025**



For Spring 2025, the COE Exhibition of Engineering Students' Projects at the Australian University took place on May 6th, 2025, at Salwa Al Sabah Ballroom in Salmiya, under the patronage of Dr. Sa'ad Hadi Al-Omari, Chairman of the Board of Trustees.

A total of 224 students proudly showcased 48 graduation projects spanning various engineering disciplines. The distribution of projects and students across departments was as follows:

- **Electrical & Electronics Engineering Department: 12 Projects - 53 Students**
- **Petroleum Engineering Department: 8 Projects - 39 Students**
- **Mechanical Engineering Department: 12 Projects - 65 Students**
- **Civil Engineering Department: 16 Projects - 67 Students**

Special thanks to KFAS for sponsoring this event and for their continuous support.

OPENING CEREMONY AND RIBBON CUTTING





EXHIBITION TOUR













WINNERS ANNOUNCEMENT - COLLEGE OF ENGINEERING



CIVIL ENGINEERING DEPARTMENT





ELECTRICAL & ELECTRONICS ENGINEERING DEPARTMENT





MECHANICAL ENGINEERING DEPARTMENT





PETROLEUM ENGINEERING DEPARTMENT



WINNERS ANNOUNCEMENT - AUSTRALIAN EMBASSY VOTED PROJECT



Projects Evaluation Process:

Internal evaluators from AU, as well as external evaluators from industry, were invited to evaluate the displayed projects during the Graduation Projects Exhibition. The evaluation was conducted by filling electronically in an evaluation sheet shared by email with each assessor. The evaluation process of each project considered the following criteria:

- 6) **Originality/ability to create new knowledge**
- 7) **Project aims and objectives**
- 8) **Project outcomes and findings**
- 9) **Significance and relevance to Kuwait economy/industry**
- 10) **Presentation Quality (e.g., video, abstract...) A list of the evaluators is presented below:**

Petroleum				
	Name	Title	Company	Contact #
1	Ahmad Al Otaibi	CEO	Petroleum Dynamics	9444-4038
2	Bedour Aboseedo	Senior Reservoir Engineer	KOC	9779 7719
3	Aisha Embaireeg	Domain Champion	SLB	9784 7799
4	Ahmad Abou Omar	Contract Management Engineer	Veolia	6558 2818
5	Khaled Al Sayed	Team Leader – Water Equipment Sector	Arabi Company	9722 3819
Civil				
	Name	Title	Company	Contact #
1	Dr. Zafer Sakka	Research Scientist	KISR	5563 0099
2	Eng. Dena Alnashie	CEO / Partner	Al Nasser & Al Nashie United Company	6900 9057
3	Dr. Umair Farooq	Senior Project Manager	WTE Wassertechnik	6006 8868
4	Fahed Hamawee	Civil Engineer	Mustashar Al-Bena Company	9900 8324
5	Dr. Wagdy Said	Plant Manager	Aquasan	6044 1642
6	Zainab Mounir	Senior Service Engineer	OTIS Elevators Company	9692 8986
7	Tuleen Nazzal	Job Delivery Lead	SLB	9720 5799
Electrical				
	Name	Title	Company	Contact #
1	Ahmad Abdulwahab Ahmad Al Saleh	Manager, Business Development	Og Innovation	6573 1014
2	Eng. Dina Saeed Subuh	Director Capability Management	Ooredoo	6636 9893
3	Eng. Fudha Alabdulrazzaq	Senior Specialist HR Information Systems	Ooredoo	6636 9595
4	Mohammad Qasem	Segment Equipment Leader	Baker Hughes	9092 7374
5	Murugesan Periyasamy	Construction Manager	OTIS Elevators Company	9733 0502
6	Hebah Abbas	Chairwoman	Kuwait Water Association	9988 3455
7	Talal Ali Al-Shehri	Field Development & Engagement Manager	SLB	5572 9065
8	Mohammed Alsubaie	Facility Engineer	One Facilities Management	9859 5265
9	Munawar Khan	Senior Manager	Arabi Company	9979 7816
10	Fady Kelib Mekhael	Acting Segment Manager	Arabi Company	9724 8180
Mechanical				
	Name	Title	Company	Contact #
1	Yousef Al-Ojeiru	Lead Engineer	Gulf Consult	
2	Anbarasu Subramanian	Mechanical Engineer	OTIS Elevators Company	9925 5245
3	Mohamed Hamdy Al Mowafy	Maintenance Engineer	Veolia	5537 3666
4	Nawaf Alhasan	KWT Talent Acquisition Manager	SLB	9752 9958
5	Ali Almutairi	Operations Manager	Veolia	9945 8281
6	Mohamed Maher Hassan	Business Development Manager – Solar Power Solutions	Arabi Company	9995 5601
7	Abdullah Almarzouq	General Manager	One Facilities Management	



Scan this QR code to access the booklet and view all project descriptions from various departments



Scan the QR codes to access the videos of the event and view the pre-event preparations.





COLLEGE OF ENGINEERING TEACHING EXCELLENCE AWARDS

The Teaching Excellence Award for the academic year 2023/2024 was presented on Wednesday, 2nd of October 2024, during the annual staff dinner of the Australian University (AU). This award is granted once per academic year to recognize the outstanding performance of a faculty member across various dimensions, including teaching, corporate social responsibility (CSR), research, and other contributions. The nominated faculty members from the College of Engineering are as follows:





*Dr. Mohamed Omar - Assistant Professor /
Petroleum Engineering Department*



*Eng. Faisal Al Otaibi - Instructor / Civil Engineering
Department*



Mr. Amin Bilal - Instructor / Mathematics and Physics Department

Two faculty members from the College of Engineering have been awarded recognition for their contributions:

- **Dr. Mohamad Farhat – Associate Professor / Electrical and Electronics Engineering Department**
- **Dr. Adel Younis – Associate Professor / Mechanical Engineering Department**





COLLEGE OF ENGINEERING LONG-SERVICE AWARDS

LONG-SERVICE AWARDS

The Australian University (AU) awarded several employees from the College of Engineering with long-service awards during the annual staff dinner held on Wednesday, 2nd of October 2024.

The honored employees from the College of Engineering were:



Prof. Ahmad Sadaghat – Professor / Mechanical Engineering Department



Dr. Fadi Al-Khatib – Associate Professor / Head of Mechanical Engineering Department



Dr. Hassan Salti – Associate Professor / Head of Electrical and Electronics Engineering Department



Dr. Mohamed Salem – Associate Professor / Civil Engineering Department



Dr. Rana Malhas – Assistant Professor / Petroleum Engineering Department

Additionally, other employees were awarded long-service awards:

- **Mrs. Muna Juma – Sr. Academic Administration Officer / Mathematics and Physics Department**
- **Mrs. Amani Abdhah – Sr. Academic Administration Officer / Electrical and Electronics Engineering Department**

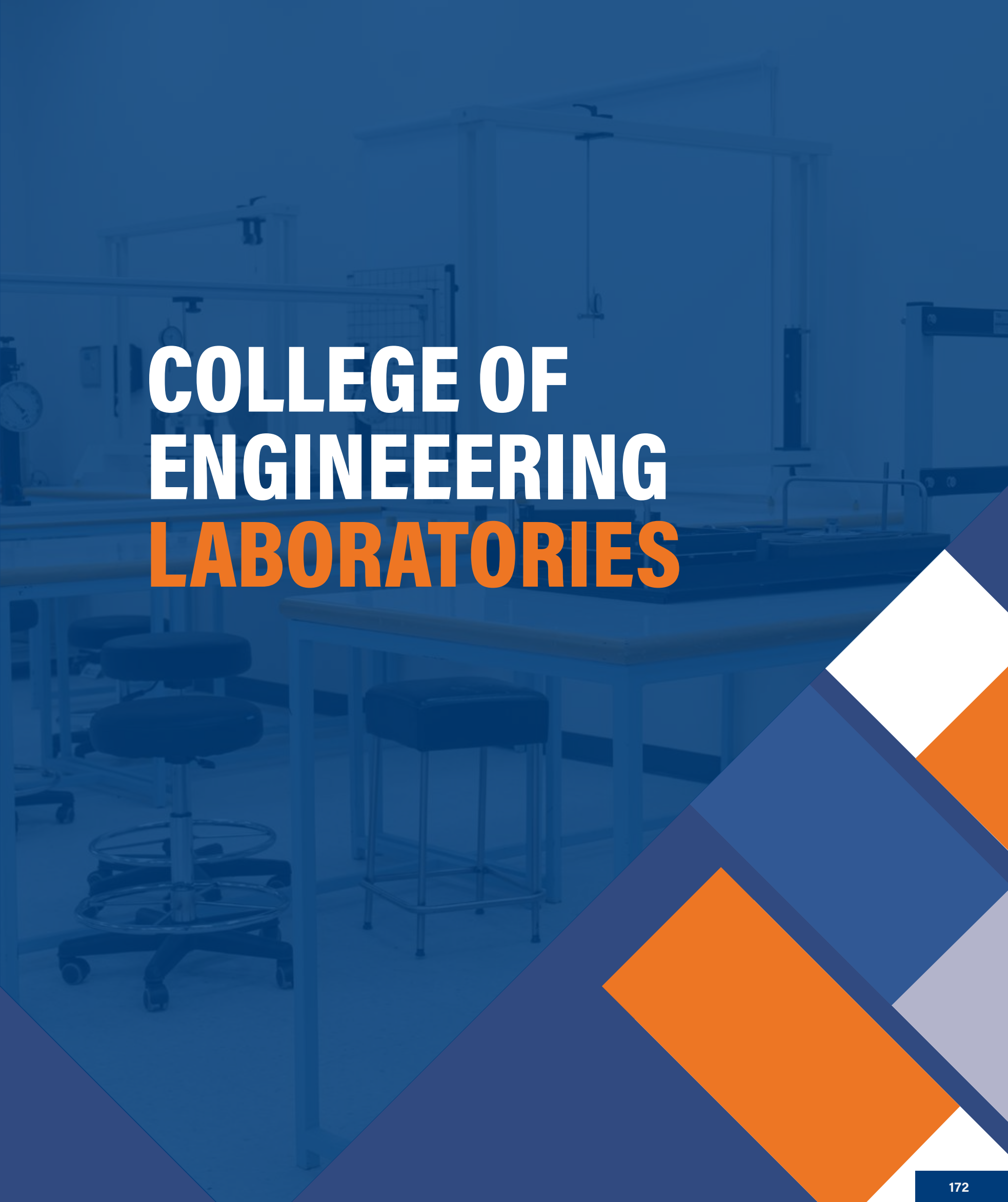


COLLEGE OF ENGINEERING SCIENTIFIC CONFERENCES ATTENDED

SCIENTIFIC CONFERENCES ATTENDED BY COLLEGE OF ENGINEERING FACULTY

Faculty Name	Program Description	Location/Venue	Date
Mechanical Engineering Department			
Prof. Ahmad Sedaghat - Professor	7 th IFIP International Internet of Things (IoT) Conference	Nice, France	6 - 8 Nov 2024
Dr. Wisam Al Saadi -Associate Professor	The 7 th International Symposium on Hydrogen (Energy and Energy Technology (HEET 2024	Osaka, Japan	14 - 15 Nov 2024
Dr. Zainab Al Hajaj – Associate Professor	9 th International Conference on Renewable Energy and Conservation	Rome, Italy	22 - 24 Nov 2024
Dr. Hayder Salem – Associate Professor	16 th International Conference on Mechatronics and Manufacturing	Yokohama, Japan	2 - 4 April 2025
Dr. Adel Younis – Associate Professor	12 th International Health, safety, Enviromint and Loss Prevention Development Conference and Exhibition	Crown Plaza, Kuwait	7 – 8 May 2025
Prof. Ahmad Sedaghat -Professor	Thirteen European Conference on Renewable (Energy Systems (ECRES 2025	Virtual, MS Teams	26 - 27 May 2025
Dr. Fadi Alkhatib – Associate Professor / HoD	21 st CDIO International Conference 2025 Monash University	Melbourne, Australia	1 - 5 June 2025
Electrical and Electronics Engineering Department			
Eng. Hania El Kanj – Senior Instructor	Third International Conference 2024 on Sustainable Mobility Applications, (Renewables and Technology (SMART	UAE, Dubai	22 - 24 Nov 2024
Dr. Arash Mehdizadeh – Assistant Professor	IEOM 2 nd GCC International Conference on Industrial Engineering and Operations Management	Muscat, Oman	1 - 3 Dec 2024
Dr. Amin Al ka'bi – Associate Professor	International Conference on Computer and (Applications (IEEE/ICCA 2024	Cairo, Egypt	16 - 20 Dec 2024
Dr. Amin Al ka'bi – Associate Professor	International IOT, Electronics and Mechatronics Conference (IEMTRONICS (2025	UK, London	3 - 5 April 2025
Dr. Majdi Al Omari – Associate Professor	9 th International Conference on Energy (Economics and Energy Policy (ICEEEP 2025	Nice, France	7 - 9 April 2025
Eng. Mohamad Zaki –Senior Instructor	Higher Education in the Innovation Era, Summit	Abdullah Al Salem University, Shuwaikh Campus, Kuwait	16 – 17 April 2025
Dr. Mohamad Farhat – Associate Professor	10 th International Conference on Sustainable and Renewable Energy Engineering	Nice, France	13 - 16 May 2025
Dr. Mohammed Abdul-Niby – Associate Professor / Dean	21 st CDIO International Conference 2025 Monash University	Melbourne, Australia	1 - 5 June 2025

Petroleum Engineering Department			
Dr. Seyed Ali Zadeh – Assistant Professor	Gas and Oil Technology Showcase and (Conference (GOTECH	UAE, Dubai	21 - 23 April 2025
Eng. Kingsley Amadi – Senior Instructor	12 th International Health, safety, Enviromint and Loss Prevention Development Conference and Exhibition	Crown Plaza, Kuwait	7 - 8 May 2025
Dr. Rida Elgaddafi – Assistant Professor	SPE Oman Petroleum and Energy Show 2025	Muscat, Oman	12 - 14 May 2025
Dr. Biltayib Misbah Biltayib – Assistant Professor	Nigeria Annual International Conference and Exhibition 2025	Nigeria, Lagos	4 - 6 August 2025
Civil Engineering Department			
Dr. Masoud Irannezhad – Assistant Professor	The 10 th International Conference on Water and Environment (WRE 2024)	Hong Kong	15 - 18 Dec 2024
Dr. Ahmad Saad – Associate Professor / HoD	10 th International Conference on Structural Engineering and Concrete Technology (ICSECT 2025)5	Barcelona, Spain	9 - 13 April 2025
Eng. Mohamad Al-Khiami – Senior Instructor	IEEE Global Engineering Education 2025 Conference	UK, London	22 - 25 April 2025
Dr. Ahmad Saad – Associate professor / HoD	12 th International Health, safety, Enviromint and Loss Prevention Development Conference and Exhibition	Crown Plaza, Kuwait	7 - 8 May 2025
Dr. Ahmed Assad – Assistant Professor	42 nd International Symposium on Automation and Robotics in Construction (ISARC) and Joint CSCE Construction Specialty Conference / ASCE Construction Research Congress (CRC) 2025	Montreal, Quebec, Canada	2 - 31 July 2025
Dr. Mohamed Salem	The 9 th International Conference of Recent Trends in Environmental Science and Engineering (RTESE 2025)	UK, London	16 - 19 July 2025

The background of the page is a photograph of an engineering laboratory, featuring workbenches, stools, and various mechanical equipment. A semi-transparent blue overlay covers the entire image. In the bottom right corner, there is a decorative geometric design composed of several overlapping triangles in shades of blue, orange, and white.

COLLEGE OF ENGINEERING LABORATORIES

COLLEGE OF ENGINEERING LABORATORY



This academic year marked a significant chapter in the ongoing growth and modernization of the engineering laboratories at AU. As part of our strategic initiative to expand and enhance the College of Engineering's hands-on learning environment, we successfully furnished and equipped several new laboratories with advanced tools, furniture, and safety infrastructure. These efforts reflect our commitment to maintaining cutting-edge facilities that support experiential learning, interdisciplinary collaboration, and innovation.

The development process began with detailed planning and coordination across departments. Multiple meetings were held involving faculty members, lab engineers, and technicians to identify the specific requirements for each lab. This collaborative approach ensured that procurement decisions were based on actual academic needs, technical specifications, and long-term scalability.

Through this process, comprehensive lists of essential furniture, laboratory instruments, and safety equipment were developed and prioritized. These discussions also addressed logistical concerns, space constraints, and future expansion potential to create highly functional, ergonomic, and discipline-specific lab environments.

Once the equipment was procured and installed, focused training sessions were conducted for lab staff, ensuring a smooth transition to the new systems. These sessions equipped our lab engineers and technicians with the knowledge and skills needed to operate, maintain, and troubleshoot the new equipment effectively. More importantly, they enhanced our team's ability to support faculty and students in conducting advanced experiments and project work. This investment in human capacity has significantly strengthened the technical foundation of our labs.



In parallel, a series of strategic meetings were held with long-standing and new suppliers to discuss the procurement of cutting-edge laboratory equipment and the upgrade of existing systems. These meetings not only helped us identify and source high-quality, reliable equipment that meets current academic and industry standards, but also fostered strong partnerships with vendors. Through ongoing dialogue, we were able to tailor equipment specifications to our unique needs, ensure timely delivery and installation, and plan for future upgrades with minimal disruption to lab operations.

We extend our sincere appreciation to the university leadership and administration for their unwavering support and allocation of the necessary resources to realize this ambitious lab development project. Their commitment to excellence in engineering education has been pivotal in bringing these plans to fruition.

We are also deeply grateful to our lab engineers and technicians, whose tireless efforts, technical expertise, and collaborative spirit have been integral to every phase of this process—from planning and setup to training and implementation. Their dedication ensures that our laboratories not only operate efficiently but also provide a safe, supportive, and innovative environment for our students.

Through these combined efforts, the College of Engineering continues to build and sustain laboratories that are not only technologically advanced but also aligned with best practices in safety, usability, and academic relevance. These enhancements reinforce our mission to provide our students with high-quality, hands-on engineering education that prepares them for the challenges and opportunities of the future.





CIVIL ENGINEERING LAB



STRUCTURAL LAB



MECHANICS OF MATERIALS LAB



PHYSICS LAB



PETROLEUM ENGINEERING LAB



MECHANICAL ENGINEERING LAB



CHEMISTRY LAB



FLUID MECHANICS LAB



MACHINES AND CONTROL LAB

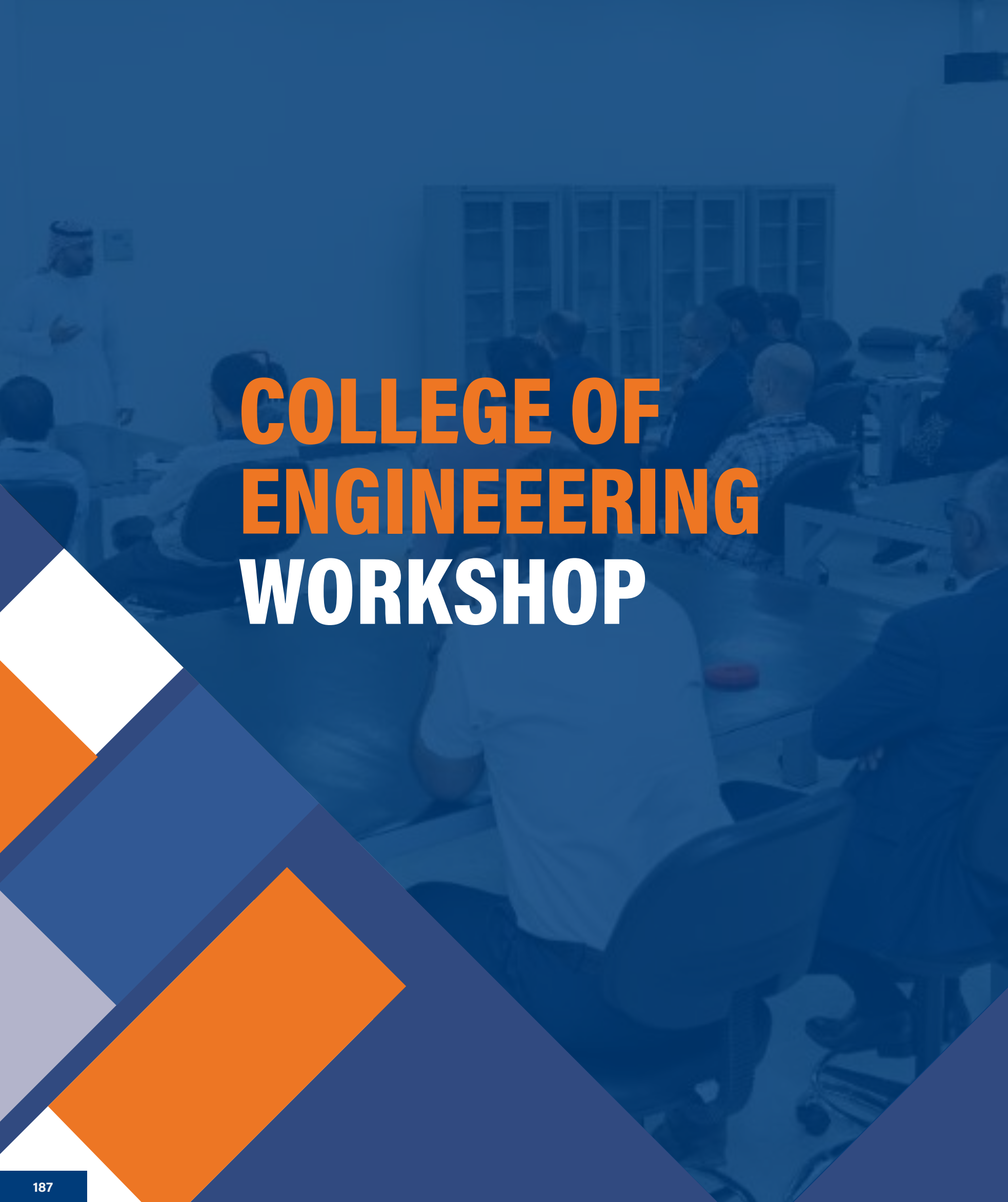


ELECTRONICS AND COMMUNICATION LAB



HUAWEI DATACOM LAB





COLLEGE OF ENGINEERING WORKSHOP

COE WORKSHOP & FABRICATION LAB



Dr. Nader Ghareeb

Manager - COE Workshop & Fabrication Lab
Assistant Professor - Mechanical Engineering Department

The main objective of the CoE Workshop & Fabrication Lab is to enhance innovation and creativity by providing students and faculty with sufficient tools and equipment, as well as introducing them to the recent additive manufacturing technologies.

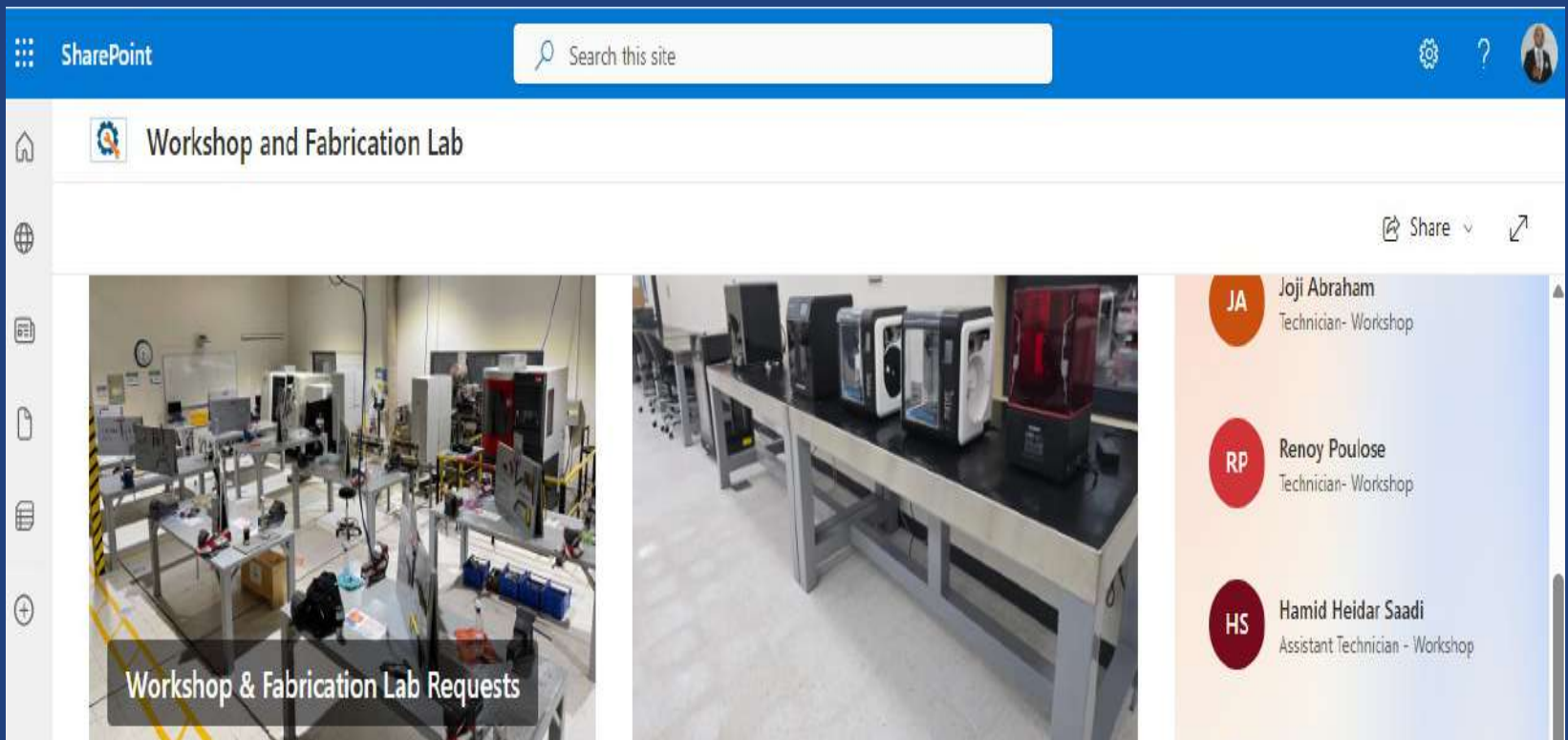
Furthermore, they assist students in achieving the required practical academic activities of the CoE in a safe working environment and under the supervision of well-trained technicians. Students are thus granted the opportunity to transform their ideas into real physical prototypes.

CoE Workshop & Fabrication Lab Basic Achievements:

- Added a link on the AU homepage to access the Workshop & Fabrication Lab through the internet and create a service request.
- Organized a seminar to explore the wide possibilities of 3D printing technology and share the future plans with interested AU staff and technicians
- Hosted the CQU Audit visit to the workshop and fabrication lab and presented the projects that were executed inside the workshop or the fabrication lab.
- Organized the day-to-day smooth operations of the workshop and the fabrication lab.
- Trained the workshop technicians and lab engineers on using the Mayku Multiplier Device
- Introduced the workshop and its activities to schools' students, as well as to the delegates from German embassy in Kuwait who visited the AU.
- Assisted students on their graduation projects and staff working on research topics.
- Delivered quality mechanical services to research staff and students.
- Provided a safe place to work by maintaining a critical focus on safety and environmental management issues, and ensuring that all safety and health policies, procedures and regulations are followed.

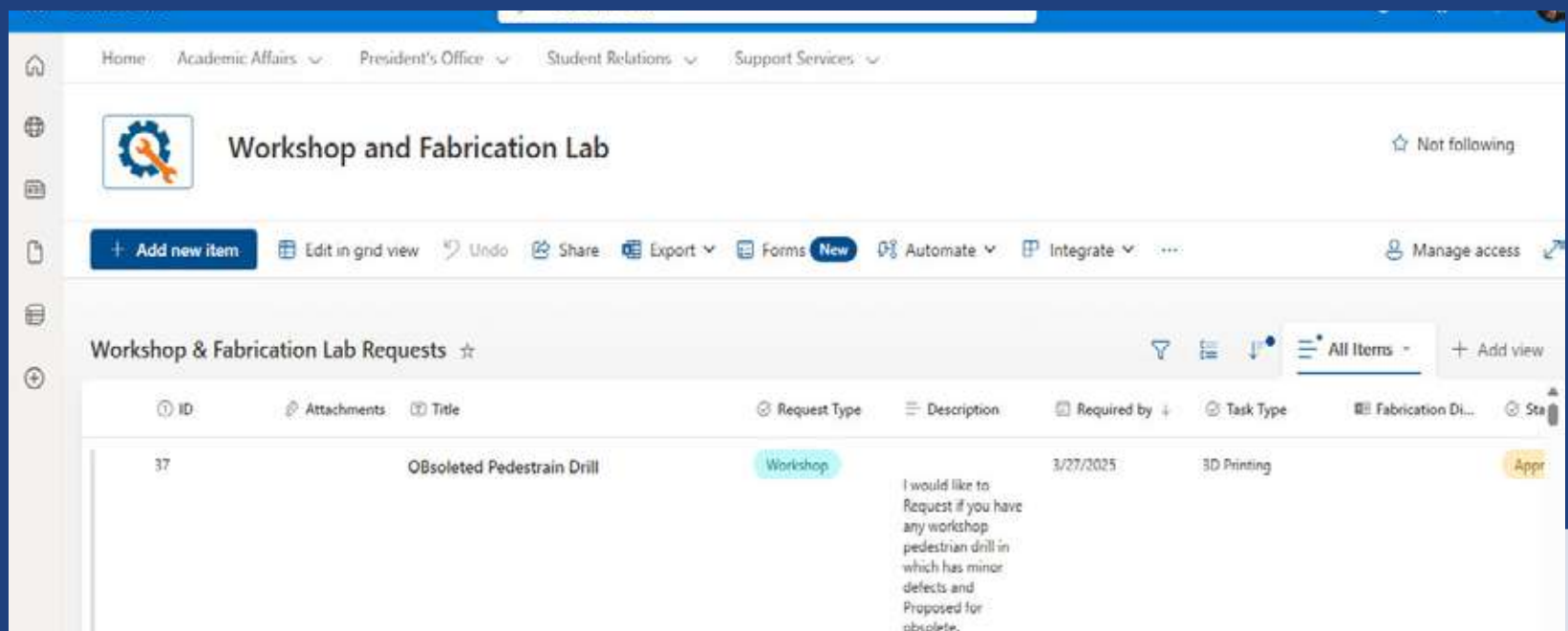
A LINK TO REQUEST WORKSHOP & FABRICATION LAB SERVICES

With the support of the IT department, a link was created on the AU homepage. It facilitates the process of requesting the services of the workshop and the fabrication lab. Once a staff member clicks on this link and sends the service request, a notification is sent to the manager. The manager will check if the request can be fulfilled, and if yes, it will be approved and sent to the designated technician to work on it. Once the task has been completed, the manager will close the request, and an email will be sent to the staff member asking to visit the workshop or fabrication lab and collect the requested item.



The screenshot shows a SharePoint site for 'Workshop and Fabrication Lab'. The top navigation bar includes the SharePoint logo, a search bar, and user profile icons. The main content area has a title bar with a gear icon and the text 'Workshop and Fabrication Lab'. Below the title bar, there are two large images of the workshop. The left image is labeled 'Workshop & Fabrication Lab Requests'. The right image shows a long table with various equipment. To the right of the images, there is a list of technicians:

- JA** Joji Abraham
Technician- Workshop
- RP** Renoy Poulse
Technician- Workshop
- HS** Hamid Heidar Saadi
Assistant Technician - Workshop



The screenshot shows the 'Workshop and Fabrication Lab' SharePoint site. The top navigation bar includes links to Home, Academic Affairs, President's Office, Student Relations, and Support Services. The main content area has a title bar with a gear icon and the text 'Workshop and Fabrication Lab'. Below the title bar, there is a list of requests titled 'Workshop & Fabrication Lab Requests'. The list has columns for ID, Attachments, Title, Request Type, Description, Required by, Task Type, and Fabrication Di... (Fabrication Diagrams). The first request is:

ID	Attachments	Title	Request Type	Description	Required by	Task Type	Fabrication Di...
37		OBsoleted Pedestrain Drill	Workshop	I would like to Request if you have any workshop pedestrian drill in which has minor defects and Proposed for obsolete.	3/27/2025	3D Printing	Appr

SEMINAR "INNOVATION MEETS IMAGINATION" INSIDE FABRICATION LAB: (THURSDAY, 17-10-2024)



This event is aimed at introducing the wide possibilities of 3D printing technology and sharing plans for the future. Initially, the difference between subtractive vs additive manufacturing was explained with video demonstrations. The basic 3D printing techniques were then introduced and the recent advancements in this field were addressed.

After that, the steps that are needed to produce the final printed object from the initial CAD file were illustrated. Then, some produced prototypes from 3D printing were shown to the audience.

Finally, the procedures to submit a service request through the AU homepage were presented and the future plans were shared with the attendees. The seminar was concluded by answering questions from the audience.



CQU AUDIT VISIT TO AU WORKSHOP & FABRICATION LAB: (MONDAY, 25-11-2024)



On Monday, 25-11-2024, the CQU Audit committee visited the AU workshop and fabrication lab. The workshop & fabrication lab manager introduced the committee to the workshop activities and the operating machines. After that, the committee moved to the fabrication lab where a short presentation about the fabrication lab activities and the advanced 3D printing technologies was delivered. Finally, students from all engineering departments have presented some of the graduation projects that were completed completely or partially inside the workshop/fabrication lab premises.

The committee was impressed by the achievements of the students and the organization of the workshop and fabrication lab activities.





TRAINING THE COE WORKSHOP TECHNICIANS AND LAB ENGINEERS ON USING THE SUPPLIED MAYKU MULTIPLIER MACHINE (SUNDAY, 19-01-2025):

The Multiplier is a desktop pressure former that can achieve sub-one-micron resolution in sheet thicknesses of up to 5mm. Combined with high-resolution 3D printing, it can achieve injection mold-like quality parts right from the desktop in a matter of minutes. This capability is invaluable for designers and engineers who need to iterate quickly and test their designs in real-world conditions.

On 19-01-2025, a service engineer from Burgan Equipment Co. visited the fabrication lab and gave a training course on the safe handling and operation of the MAYKU multiplier to all CoE workshop technicians and lab engineers. The session began with an overview of the machine's capabilities and applications, emphasizing its use among others in prototyping and educational fields. After that, the safety protocols and maintenance procedures, such as using the provided toolkit for upkeep were highlighted. Then, the steps to select materials and thicknesses from the menu were explained, including the importance of choosing the right material for specific applications. After that, the audience were guided through the forming process, as well as through the proper positioning of the material within the forming area and securing it in place. The training was concluded by allowing participants to create their own forms using sample templates, reinforcing the principles of thermoforming design. This hands-on approach ensures that attendees gain practical experience and confidence in using the MAYKU Multiplier effectively.



**INTRODUCING THE COE WORKSHOP AND LABS TO THE
AMBASSADOR (TUESDAY, 02-07-2024) AND THE CULTURAL
AFFAIRS OFFICER OF THE FEDERAL REPUBLIC OF GERMANY
(WEDNESDAY, 11-09-2024):**



His Excellency, Hans-Christian Freiherr von Reibnitz, the Ambassador of Federal Republic of Germany, and the Cultural Affairs Officer, Ms. Vera Gebhardt visited the AU Workshop and Labs at 2 different timings to learn more about the workshop activities. Dr. Nader Ghareeb, the workshop manager, and Dr. Michel Nahas, the labs manager, gave them first an introduction about the tools and devices that are used in the workshop and labs, as well as about the activities that students carry out in relation to their academic education. The ambassador was very excited to see that many existing tools are made in Germany.

INTRODUCING THE COE WORKSHOP TO SCHOOLS' STUDENTS



Similar to previous year, the AU workshop hosted again a group of students from different local schools who visited the AU campus to learn about its programs and see among others the CoE workshop and other engineering labs. Dr. Nader Ghareeb, the workshop manager, started the demonstration by emphasizing the importance of workshop safety rules, as these set the stage for a safe and informative experience. Following this, he introduced the students to various hand tools and existing machines, explaining their functions and demonstrating how they are used in engineering tasks. This hands-on introduction sparked their curiosity and provided them with a good understanding of the tools and machinery involved in engineering work. To conclude the visit, a welding demonstration was performed. This demo did not only illustrate the details of welding only, but it also highlighted the importance of precision and safety in engineering practices.

Overall, this session was a comprehensive blend of safety education, tool familiarization, and practical demonstration, offering the students a well-rounded glimpse into the world of engineering.

Welding Demos provided to students from the School of Aviation at AU:

Also similar to the previous year, students from the School of Aviation visited the CoE workshop to witness a welding demonstration. The event was planned to provide them with hands-on experience and insights into the critical skills of welding. For the sake of safety and to provide a better understanding of the welding concepts, the students were divided into small groups and the safety precautions that must be followed during every welding process were explained.

As the demonstration commenced, the students were introduced to various welding techniques, including MIG, TIG, and arc welding. They observed the complex process of joining metals, understanding the importance of precision and safety in every step. The students were captivated by the live demonstration, asking insightful questions and gaining valuable knowledge that would aid their future careers.

The event not only displayed the technical aspects of welding but also emphasized the significance of welding skill and attention to detail during the welding process. Overall, the welding demo was a resounding success, leaving the students inspired and better equipped for their journey in aviation.



Workshop classes for CoE students:

In this course, students learn initially about the workshop safety protocols. Safety protocols are emphasized throughout the workshop, imparting a strong sense of responsibility and awareness. Only after passing the exam on safety precautions, the students are introduced to a variety of essential hand tools.

These hand-tools include hammers which are used to strike and shape materials, screwdrivers of various types for fastening and loosening screws, and wrenches for tightening and loosening nuts and bolts. Pliers, such as needle-nose, slip-joint, and locking pliers, are demonstrated for gripping, bending, and cutting wires and other materials. Files and rasps are introduced for smoothing and shaping metal and wood surfaces. Measuring tools like calipers, micrometers, and tape measures are essential for precision work, ensuring accurate dimensions and fits. Hand saws, including hacksaws and coping saws, are used for cutting various materials. Additionally, students learn to handle chisels and punches for cutting and marking materials.

At the end of this course, which also includes hands-on practices, students gain confidence and proficiency in using these hand tools, preparing them for more advanced tasks and projects in their future careers.

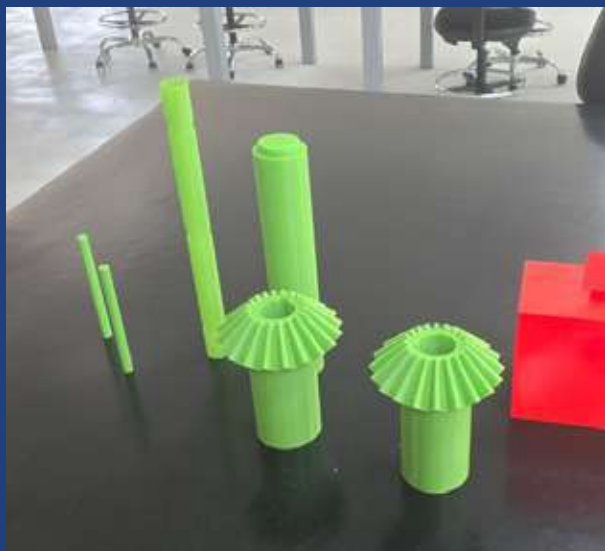


Since the new curriculum has been launched, students from all engineering disciplines started taking the course MECH100 - Workshop I



Workshop & Fabrication Lab Support for Graduation and Research Projects:

The workshop and fabrication lab technicians assisted students who were working on graduation projects, and staff who are working on some research projects, by producing some of the desired items using advanced CNC and 3D printing devices for them. Some of those items are presented below.



The CoE Workshop and Fabrication Lab will continue to provide its facilities, support and expertise of its trained technicians to all engineering students and staff and assist them in fulfilling the requirements of their courses and research projects in a safe working environment.



COLLEGE OF ENGINEERING PROJECT BASED LEARNING (PBL) CENTER

PROJECT BASED LEARNING (PBL) CENTER



Dr. Ehab Bani Hani

Manager - Project Based Learning (PBL) Center
Associate Professor - Mechanical Engineering Department
CPEng - Mechanical Engineering

The mission of the PBL Center is to:

- Foster a PBL model for the socio-cultural context of the Middle East region.
- Develop and implement an effective PBL environment for College of Engineering (College of Engineering) - Australian University (AU-Kuwait) students.
- Train and coach, PBL facilitators.
- Provide an internal and external representation of the PBL approach at AU-Kuwait.

PBL Principles:

The six learning principles of the PBL model applied in the College of Engineering can be summarized as follows:

- Project-oriented (i.e., a project scenario provides a starting point and guidance for the learning process).
- Student self-directed/facilitator-guided (i.e., students are responsible for their learning and decide on their learning strategy, guided by the facilitator).
- Activity-based (i.e., activities such as research, drafting, etc. allow reflection and learning).
- Real life context (i.e., project scenarios and work are as close as possible to an industry setting).
- Analytical thinking is required (i.e., challenges resulting from the project work require thinking to be solved).
- Team-based (i.e., students work collaboratively; facilitator acts as a “client” or “line manager”).

These principles influence each other and ensure an effective PBL model. PBL Center serves as a hub for innovation, enabling students and faculty members alike to push the boundaries of knowledge and achieve their goals.

PBL Center Journey in 2024/2025:

Building upon last year's remarkable achievements, in 2024/2025, the PBL Center continued its mission of educational innovation, interdisciplinary collaboration, and student-centered learning within the College of Engineering and beyond. This academic year was marked by expanding AI initiatives, strengthening industry ties, enhancing capacity-building efforts, and launching new collaborations that reflect the Center's growing impact at institutional and regional levels

PBL Projects:

Under the guidance of dedicated PBL facilitators, numerous exciting projects have been carried out where students worked on projects that contributed to the development of the intended course learning outcomes. A total of 24 courses were utilized in PBL in the College of Engineering, with seven courses in Mechanical Engineering and Civil Engineering, and a further five units in Electrical & Electronics Engineering and Petroleum Engineering. The complexity of projects increased from semester to semester, and students were effectively prepared for the workplace.

Complemented by the CDIO concept (Conceive, Design, Implement, Operate), students covered the whole cycle of engineering design based on various engineering design projects. Simulation is used to simulate the behavior of large engineering structures.



Fig. 1: Faculty member from Mechanical Engineering Department evaluating student's prototypes enrolled in 21SMCE423/424: Fluid and electrical drive systems/Automation and sensors in fluid systems/ (PBL course), Spring 2024-2025.



Fig. 2: Faculty members from Mechanical Engineering Department conducting a Viva Voce for students enrolled in 21SMCE413/414: Engineering Design and Management Implementation (PBL course), Spring 2024-2025.



Fig. 3-a: Mechanical Engineering students enrolled in 21SMCE423/21SMCE424 - Fluid and electrical drive systems/Automation and sensors in fluid systems (PBL course), Spring 2024-2025.

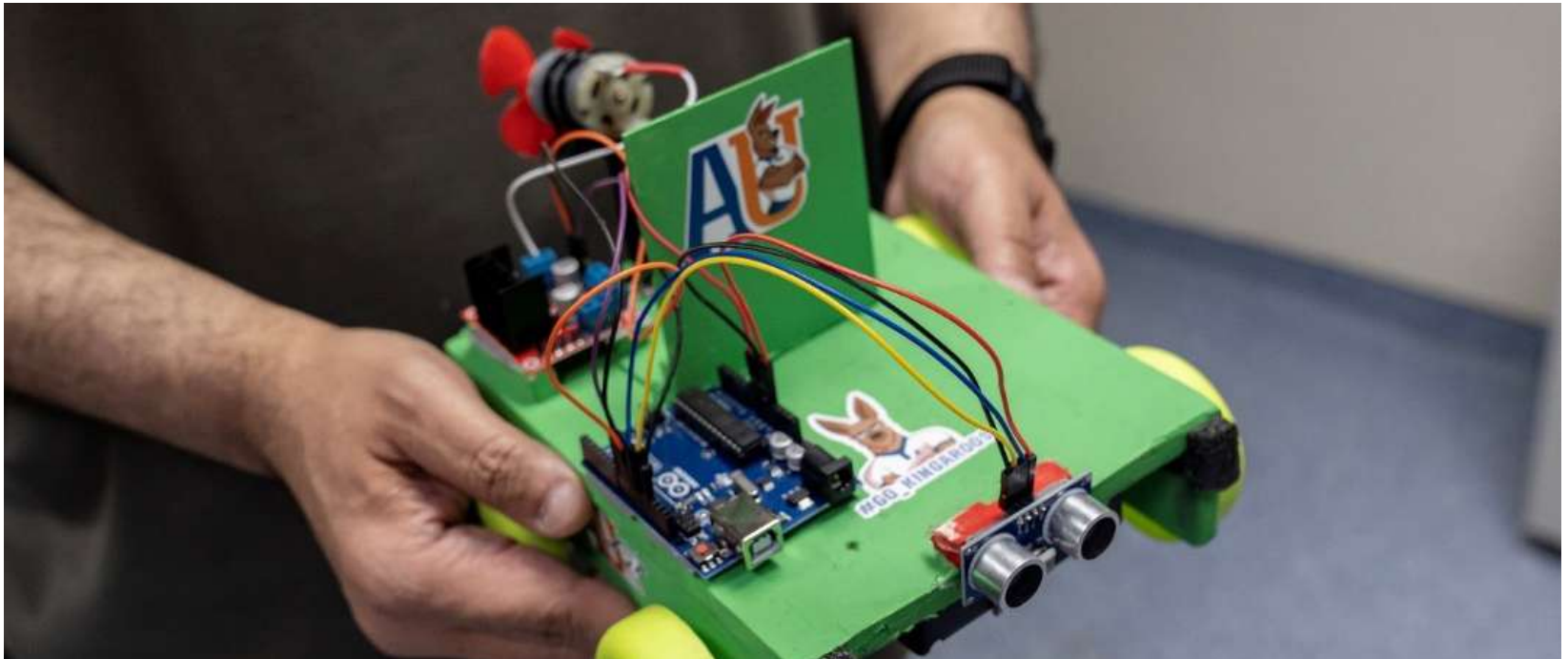


Fig. 3-b: Project for mechanical engineering students enrolled in 21SMCE423/21SMCE424/ Fluid and Electrical Drive System / Automation and sensors in fluid systems ((PBL course), Fall 2024 - 2025

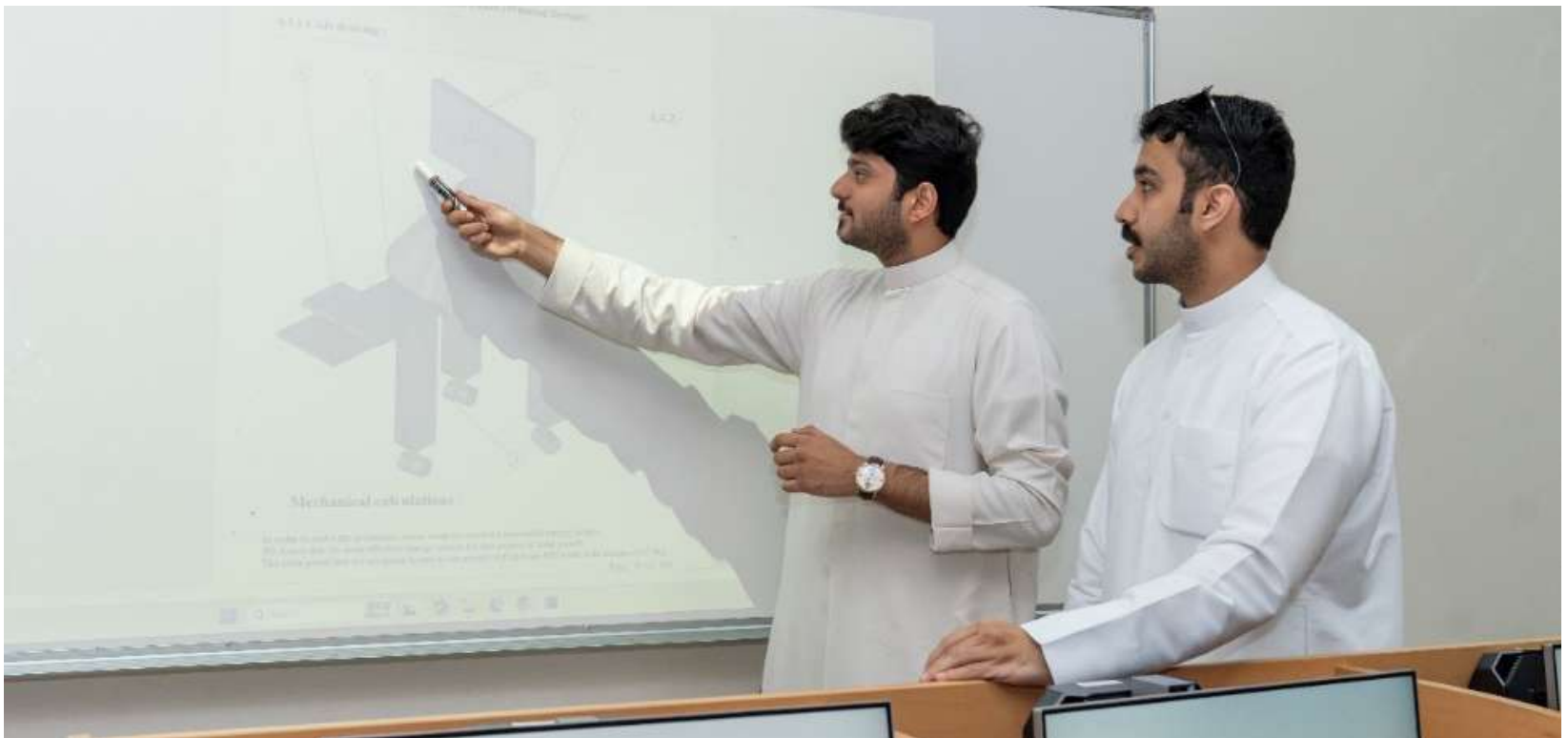


Fig. 4: Mechanical Engineering students enrolled in 21SMCE413/21SMCE414: Engineering Design and Management Implementation (PBL course) VIVA VOCE, Spring 2024-2025.

Capacity Building and Faculty Development:

The PBL Center remains committed to supporting faculty development by organizing customized workshops and facilitating regular PBL committee meetings within the College of Engineering.



Fig. 5: College of Engineering PBL committee meeting, Fall 2024-2025.

One of the foundational achievements this year was the successful training of new faculty members on the AU PBL model, equipping them with the pedagogical tools needed to facilitate project-based learning across various courses. These efforts were complemented by orientation sessions for new PBL committee members in the College of Engineering, where roles and responsibilities were clearly defined to ensure strategic alignment and smooth implementation of PBL initiatives.



Fig. 6: Orientation Workshop for Faculty on the PBL Model – College of Engineering, Fall 2024-2025.

PBL Publications and Web Development:

In parallel, the center has contributed to publications related to PBL implementation at AU, key PBL documentation was revised to align with these advancements. The PBL Facilitator Guide and PBL Industrial Brochure were updated to reflect the latest educational practices and institutional goals. Additionally, the updated PBL Center webpage was launched in close collaboration with the MIS, Administration, and Marketing departments, ensuring that the Center's resources and achievements are effectively communicated to both internal and external audiences.



Fig. 7: PBL industry brochure was prepared in Fall 2024-2025.

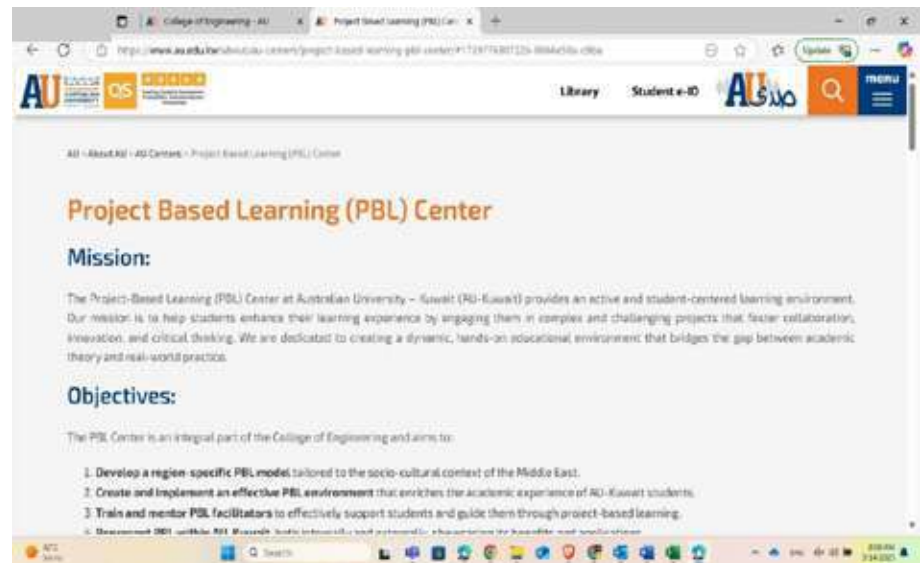


Fig. 8: New PBL Center webpage was launched in Fall 2024-2025.

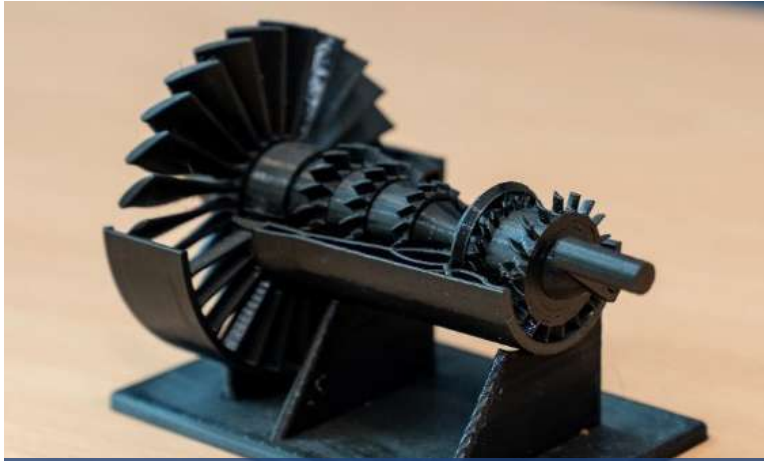


Fig. 9: Students utilizing 3D printing for PBL projects – a Jet Engine demo, Fall 2024 - 2025.

3D printing Services:

At the PBL Center, we believe in providing innovative solutions to enhance learning and research experiences. As part of our commitment to fostering creativity and exploration, we offer state-of-the-art 3D printing services. Whether students are working on projects or faculty members are conducting research activities, The PBL Center also conducted a comprehensive orientation for the new technician in the Fabrication Lab, ensuring a proper handover and operational readiness of the 3D printing facilities. This ensures continuous student access to advanced prototyping resources for coursework and research.

Expansion of AI and Technological Integration:

Building on the momentum from 2023/2024, the PBL Center significantly deepened its focus on Artificial Intelligence (AI) during the 2024/2025 academic year. Many PBL-related projects within the College of Engineering incorporated AI components—demonstrating the growing relevance of AI in student learning and project development.

This growth was supported by the Center's continued investment in digital transformation, including the deployment of new AI tools, cloud-based computing environments, and enhanced high-performance computing infrastructure across campus. These upgrades enabled more robust student innovation and facilitated expanded collaboration with AI-focused industry partners.

Strengthening Industry and Academic Collaborations:

This year witnessed significant growth in collaborations with industry partners. The PBL Center facilitated many field trips and field visits and hosted several guest lectures and seminars. These experiences provided students with invaluable insights into real-world engineering challenges and solutions. New partnerships were also developed with regional startups, tech incubators, and research institutions, paving the way for collaborative innovation and internship opportunities.

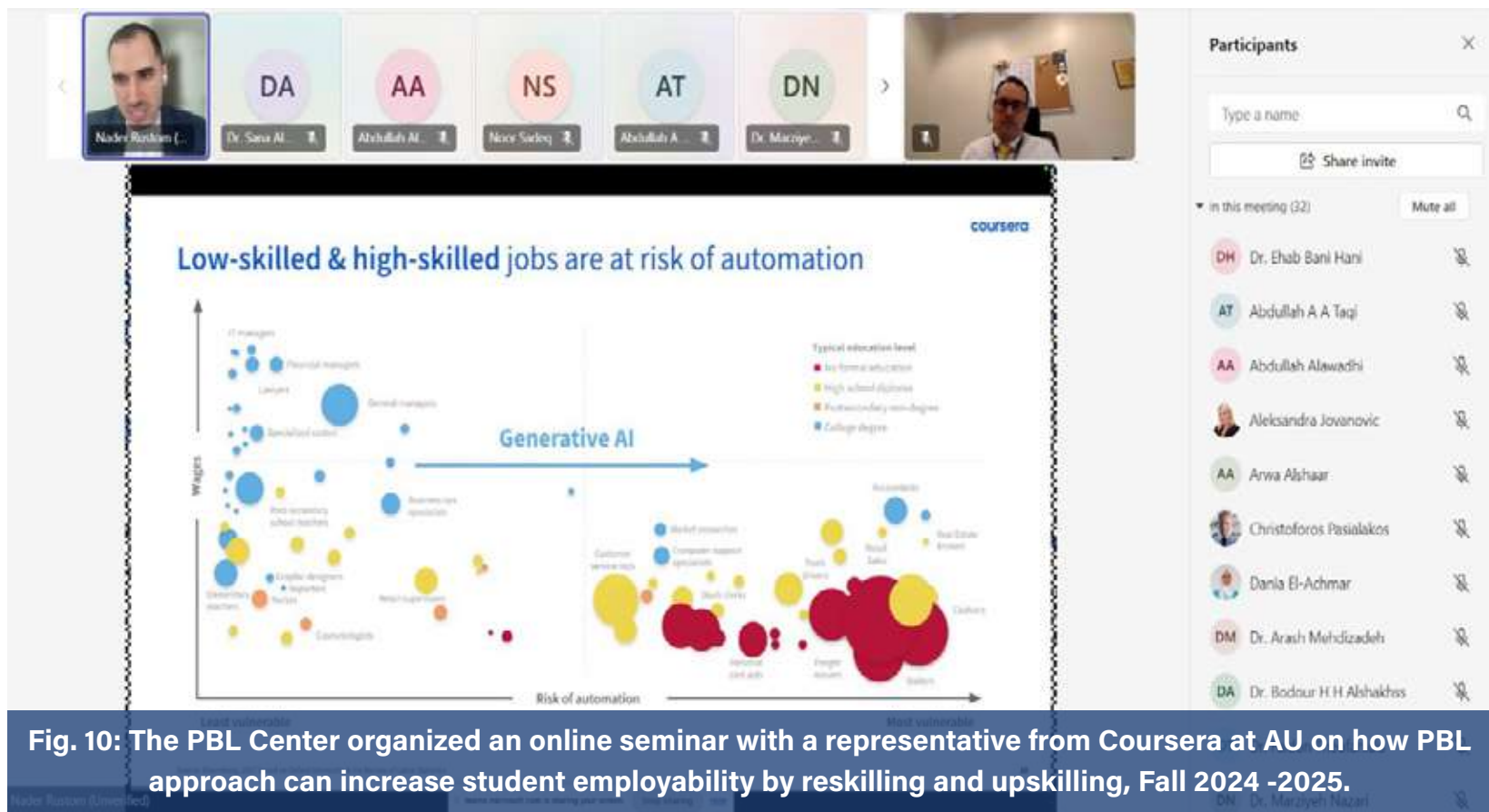


Fig. 10: The PBL Center organized an online seminar with a representative from Coursera at AU on how PBL approach can increase student employability by reskilling and upskilling, Fall 2024 -2025.

Industry engagement significantly expanded during Fall 2024/2025 and Spring 2024/2025, with seven collaborative projects spanning multiple engineering departments. Notable partnerships included:

- **Mechanical Engineering:** VEOLIA Kuwait, NGO-Athar.
- **Petroleum Engineering:** Kuwait Oil Company (KOC), PAAF.
- **Civil Engineering:** WSP Group.
- **Electrical and Electronics Engineering:** Yasmin Farms.

These projects provided students with hands-on experience aligned with real-world challenges, effectively bridging the gap between classroom theory and industrial practice.



Fig. 11: Civil Engineering students undertook an informative field trip to the Al-Riqai Pumping Station in 21SCVE423/21SCVE424 - Water/Wastewater Environmental Design (PBL course), Spring 2024-2025.



Fig. 12: Faculty members from the College of Engineering and PBL committee members meeting with an industry representative from Journey to Digital Intelligence - Kuwait, Fall 2024 - 2025.

Student Excellence and Public Engagement:

The PBL Center maintained strong engagement with university-wide initiatives. Notably, during the Fall 2024/2025 semester, College of Engineering students earned the top three positions in the “Lead Your Future” event organized by AU’s Innovation and Entrepreneurship Center. Efforts are ongoing to further enhance participation for Spring 2025, with emphasis on PBL course outputs and entrepreneurial ideas.



Fig. 13: College of Engineering - Mechanical Engineering student presented their PBL course and win in the “Lead Your Future” event organized by the innovation and entrepreneurship center at AU, Fall 2024 -2025.

Promoting Sustainability and Renewable Energy Education:

In alignment with AU's sustainability goals, the PBL Center supported a wave of projects focused on renewable energy, environmental impact assessment, and smart infrastructure. Students engaged in hands-on activities including the design of solar-powered systems, energy efficiency audits, and pollution control simulations. These efforts were further enhanced using advanced modeling tools and environmental risk analysis frameworks.



Fig. 14: Mechanical Engineering students enrolled in 21SMCE423/21SMCE424 - Fluid and Electrical Drive Systems/Automation and sensors in fluid systems (PBL course), Spring 2024-2025.



Fig. 15: Petroleum Engineering students enrolled in 21SPTE422 Environmental Protection PBL course, Spring 2024-2025.

Additionally, the PBL Center supported and facilitated a research initiative by the Electrical and Electronics Engineering Department in the College of Engineering to conduct a survey assessing AU students' awareness of sustainability. The survey targeted students enrolled in PBL courses offered in the diploma programs across the College of Engineering during Spring 2025. This initiative was further enhanced through a workshop on sustainability, also supported by KFAS.



Questionnaire to Assess AU Students' Awareness of Sustainability

The form Questionnaire to Assess AU Students' Awareness of Sustainability is no longer accepting responses.
Try contacting the owner of the form if you think this is a mistake.

Fig. 16: PBL Center Facilitates Sustainability Awareness Survey Led by Electrical and Electronics Engineering Department with KFAS Support, Spring 2024-2025.

The background is a photograph of a building facade, likely a university building, with a blue tint. Overlaid on the bottom right are several large, semi-transparent geometric shapes in shades of blue, orange, and white, creating a modern, abstract design.

COLLEGE OF ENGINEERING AU SCIENTIFIC RESEARCH CENTER



AU SCIENTIFIC RESEARCH CENTRE

Dr. Khalil Mohamad Khanafer

Senior Manager – AU Scientific Research Centre

Research at AU:

In recent years, Australian University (AU) has undertaken a comprehensive transformation of its research mission, restructuring its strategic direction and governance framework to position impactful research as a core institutional priority. This shift has led to a focused investment in key thematic research areas such as water and environmental sustainability, energy, advanced materials, mechatronics and automation, educational theory and practice in higher education, innovation and entrepreneurship, business management, finance, marketing, and communication. To support this vision, the College of Engineering has actively cultivated both national and international research partnerships. These collaborations have expanded AU's research capabilities by enabling faculty to access global networks, share expertise, and leverage external resources. Notably, AU faculty have participated in joint research with international institutions while also securing support from local funding bodies such as the Kuwait Foundation for the Advancement of Sciences (KFAS), thereby broadening the university's research scope and impact. Internally, AU has launched grant schemes designed to promote multidisciplinary research that addresses national priorities. Complementing these efforts are incentive programs that encourage faculty members to pursue high-impact research and disseminate findings in reputable academic journals. AU's faculty is composed of experts across a wide array of disciplines, allowing the institution to produce industry-ready graduates equipped with the knowledge and skills to address complex real-world challenges. In alignment with Kuwait's National Development Plan (New Kuwait Vision 2035), AU's Research Center is focused on establishing sustained, application-oriented research streams in priority areas. Emphasizing strong industry engagement, these research efforts aim to address pressing societal needs through collaborative, interdisciplinary approaches. The university's research agenda is designed to increase the effectiveness, visibility, and long-term value of its scholarly contributions both regionally and internationally.

VISION AND MISSION:

Vision

Our research vision is to enhance the profile of AU as a higher educational institution by contributing to the pursuit of original research aimed at extending the boundaries of applied knowledge.

Mission

The research mission is as follow:

- To enhance the research profile of AU locally, regionally, and internationally
- To create national and international impact in the field of applied research
- To establish a research program supportive of the applied teaching model at AU
- To create interdisciplinary and collaborative research
- To sustain strong partnerships with research funding organizations such as, KFAS, Kuwait Institute for Scientific Research (KISR), and the industry.

College of Engineering - Faculty Research Output (2024/2025):

AU is enthusiastic about contributing significantly to the advancement and enhancement of research and technology. The faculty members at the College of Engineering have consistently engaged in conducting research both individually and collaboratively. In the academic year 2024/2025, they accomplished notable achievements, including the publication of 67 research works (comprising 43 journal papers and 20 conference papers) and receiving 5 KFAS grants and 4 AU internal grants, as depicted in Figure 1. Numerous peer-reviewed papers were published in esteemed Q-ranked journals, based on Scopus rankings.

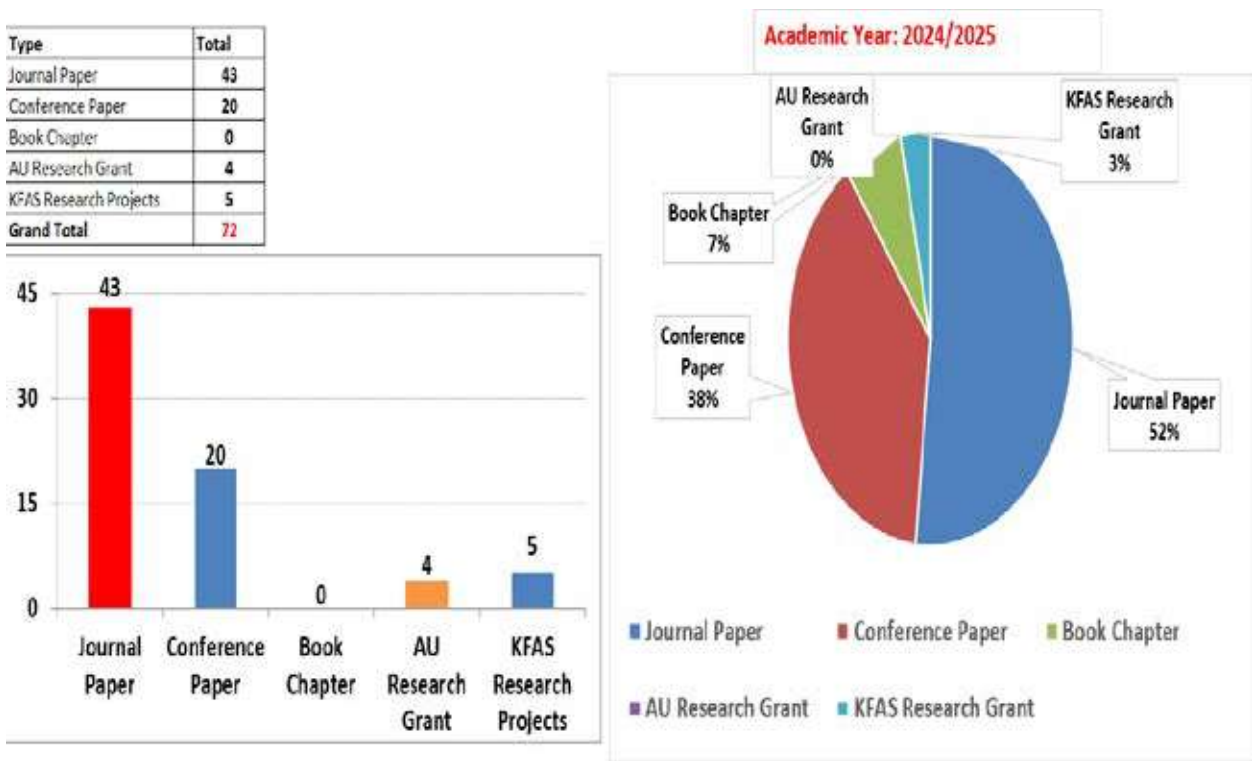


Figure 1. Summary of the College of Engineering Faculty Members Research Output for the Academic Year (2024/2025)



COLLEGE OF ENGINEERING COMMUNITY SERVICE & FACULTY ENGAGEMENT

TABLE OF CONTENT

Dr. Biltayib Misbah Biltayib Participation in the 15 th Technological Innovations Conference and Exposition (TICE) in Kuwait.	217
Dr. Suad Al Radhwan Participation in the 7 th International Maintenance, Reliability and Asset Management Conference (MAINTCON 2024).	218-220
“L3 Certificate in Effective Coaching” Certificates Awarding Ceremony.	221
College of Engineering Faculty Participation in the 19th International Strategic Management Conference.	222-224
College of Engineering Faculty and students Participation in the 2024 Third International Conference on Sustainable Mobility Applications, Renewables, and Technology (SMART).	225
Dr. Suad Al Radhwan Participation in the InnoEX2024 Event.	226
Dr. Jean El Achkar Awarded the Prestigious LSE-Kuwait Fellowship.	227
Dr. Suad Al Radhwan Delivers Lecture at Kuwait University.	228
Dr. Suad Al Radhwan Honored by the 7 th International Maintenance, Reliability and Asset Management Conference (MAINTCON 2024) Steering Committee.	229
Dr. Suad Al Radhwan Participation in the Kuwait Sustainable Energy Week (KSEW).	230
Dr. Mortadha Al Saba Participation in the SPE/IADC Conference.	231
Junior Engineering Camp 2025	232-236

DR. BILTAYIB MISBAH BILTAYIB PARTICIPATION IN THE 15TH TECHNOLOGICAL INNOVATIONS CONFERENCE AND EXPOSITION (TICE) IN KUWAIT



Dr. Biltayib Misbah Biltayib, an Assistant Professor in the Petroleum Engineering Department, presented on his development of a Taylor-Couette viscometer for testing drilling fluids at the 15th Technological Innovations Conference and Exposition (TICE) which took place on Thursday 10th of October 2024 at the Crown Plaza Farwaniyah, Kuwait.

During the presentation Dr. Biltayib discussed how polymers and nanoparticles enhance fluid performance under varying shear rates. The presentation highlighted practical benefits for drilling operations and was well received by the audience.

DR. SUAD AL RADHWAN PARTICIPATION IN THE 7TH INTERNATIONAL MAINTENANCE, RELIABILITY AND ASSET MANAGEMENT CONFERENCE (MAINTCON 2024)



Dr. Suad Al Radhwan, Assistant Professor in the Petroleum Engineering Department, has been invited to the 7th International Maintenance, Reliability and Asset Management Conference (MAINTCON 2024). The conference was held in the Kingdom of Bahrain from 13th to 16th of October 2024 at Exhibition World Bahrain. Dr. Al Radhwan's contributions to the conference include:

- **Chairperson of the Innovation Corner.**
- **Chaired Technical session during the Conference.**
- **Assigned to announce during the Gala Dinner, the winners of the best projects showcased in the Innovation Corner under the exhibition.**

In preparation for the Innovation Corner section, Dr. Suad formed a team from GCC industries and universities. The Innovation Committee, led by Dr. Suad Al Radhwan, conducted several meetings to organize this section of the conference.





النفط



maint@on

مؤتمر الشرق الأوسط السابع للصيانة والاعتمادية وإدارة الأصول

النفط

للمساهمة في تبني الحلول التقنية والمستدامة بمجال الصيانة والاعتمادية

“ركن الابتكار” في “مينتكون 2024”

يجتذب أعدادا كبيرة من الزوار





سعاد الرضوان

أعلنت شركة النفط عن إطلاق منتظرة من الجديدة كـ وكان هذا الـ لهذه السيار منها بعناية اـ

الابتكار سيوفر كذلك فرصة فريدة للمبتكرين والرواد؛ لعرض مواهبهم بين شركات النفط والغاز الإقليمية، والمسؤولين الحكوميين والأفراد البارزين في هذه الصناعة. وأضافت الرضوان أن ركن الإبداع في المعرض تضمن مبادرات قدمها عدد من الشركات الصناعية الرائدة في المنطقة

وإدارة الأصول، عبر استحداث وتخصيص ركن خاصة بالإبداع والابتكار في أجنحة المعرض المصاحب للمؤتمر. وأشارت الرضوان إلى أنه عبر قيادة الابتكار، فإن “ركن الابتكار” يعد أكثر الابتكارات الإقليمية المرغوبة، إذ يكرم الابتكارات المتميزة، ويشجع المبتكرين والباحثين

أكدت رئيس اللجنة المشرفة على زاوية الإبداع في المؤتمر الدولي السابع للصيانة والاعتمادية وإدارة الأصول (مينتكون 2024) د. سعاد الرضوان، أهمية تبني قطاع الصناعة استراتيجيات تولي الإبداع والابتكار أولوية كبيرة؛ نظرا لما تشكله من قيمة مضافة في عالم الصناعة، مشيرة إلى أن هذا المؤتمر الدولي، الذي افتتحه وزير النفط والبيئة د. محمد بن دية، في 13 أكتوبر الجاري بمركز

“L3 CERTIFICATE IN EFFECTIVE COACHING” CERTIFICATES AWARDING CEREMONY



The Institute of Leadership & Management (ILM) is a globally respected organization within the City and Guilds Group, dedicated to advancing leadership and management skills across various sectors. It offers practical, workplace-based training programs, including the “Level 3 Certificate in Effective Coaching”.

Recently, Dr. Ahmad Saad and Dr. Michel Nahas from AU’s College of Engineering completed this certification, enhancing their coaching skills to foster development and engagement among students and staff, emphasizing active listening, goal setting, and motivational techniques in academic and project settings.

AU President Prof. Isam Zabalawi awarded their certificates on Thursday 31st of October 2024, in a ceremony at AU, emphasizing the University’s commitment to high-quality leadership and mentorship that enriches the academic and professional growth of its students and staff.

COE FACULTY PARTICIPATION IN THE 19TH INTERNATIONAL STRATEGIC MANAGEMENT CONFERENCE



Eng. Khaled Abu Jbara, Instructor in the Electrical and Electronics Engineering Department at the Australian University (AU), successfully represented his institution at the “19th International Strategic Management Conference” (ISMC), hosted from 30th of October till 1st of November 2024, at the Australian University (AU) campus in Kuwait.

This pivotal event, centered on “Planning for Industry 5.0: Human-Centric, Sustainable and Resilient Organizations,” was organized by the International Strategic Management and Managers Association in partnership with Gebze Technical University, Yildiz Technical University and the Australian University’s Business College.



Eng. Khaled presented his impactful research, “Leveraging Artificial Intelligence Machine Learning for Predictive Maintenance in Wind Energy Systems” which showcased collaborative efforts with Turkish scholars to advance sustainable energy. The study underscored how machine learning models, particularly XGBoost, can revolutionize maintenance strategies reducing downtime and operational costs.



Eng. Khaled's work and engagement have opened pathways for future partnerships and knowledge exchange within the engineering and strategic management communities. The paper is now being considered for publication in one of the prestigious journals associated with the conference.





Eng. Mohamad Iyad Al-Khiami, a Civil Engineering Instructor at the Australian University of Kuwait (AU), participated in the “19th International Strategic Management Conference” held from 30th of October till 1st of November 2024, at the Australian University (AU) campus in Kuwait.

The conference theme was “Planning for Industry 5.0: Human-Centric, Sustainable and Resilient Organizations”. During the conference, Eng. Mohamad presented ongoing research, that is part of his AU grant.

The paper presented was titled “Human-Centric Innovation in Construction: Evaluating Industrial Exoskeletons for Improved Performance and Fatigue Management”. The paper investigated the efficacy of industrial exoskeletons in improving performance and managing fatigue among construction

workers. Construction workers suffer from work-related musculoskeletal disorders, mainly in the lower back, which can result in injuries and early retirement. Industrial exoskeletons offer a potential solution to mitigate the prevalence of these disorders and help in managing fatigue



COE FACULTY AND STUDENTS PARTICIPATION IN THE 2024 THIRD INTERNATIONAL CONFERENCE ON SUSTAINABLE MOBILITY APPLICATIONS, RENEWABLES, AND TECHNOLOGY (SMART)

The 2024 Third International Conference on Sustainable Mobility Applications, Renewables, and Technology (SMART) was hosted at the School of Engineering, Applied Science and Technology, Canadian University, Dubai, UAE between 22nd to 24th of November 2024. Eng. Hania El Kanj – Senior Instructor / Electrical and Electronics Engineering Department presented the paper “A Smart IoT Based Water Desalination System: A Kuwaiti Case Study” with her co-authors the students Amash Alaslami, Abdulrahman Alfailakawi, Essa Alkandari and Abdulmuhsen Hajjeah. The paper was awarded the best paper on renewables for sustainable water and will be published in the IEEE Xplore Digital Library.



DR. SUAD AL RADHWAN PARTICIPATION IN THE INNOEX2024 EVENT



On Friday 29th of November 2024, Dr Suad Al Radhwan an Assistant Professor in the Petroleum Engineering Department at the Australian University (AU) participated in the InnoEX2024 event as a judge for the competition of the students of 20 Indian Schools in Kuwait.

This event was conducted to display innovative ideas and innate talents of children in Science and Technology from Junior level and senior level grades. In the opening session, Dr Suad delivered a speech about the event and its expectations. The event featured Working Project Exhibition, Poster Making, Quiz, Spell Bee and more. The event was outstanding reflecting the talents that Indian children have and how promising is their future. Many of the projects were highly innovative projects and can be scaled up for actual implementation in industries and life applications. At the end of the event, Dr Suad received a memento as appreciation for her contribution to this event.

DR. JEAN ELACHKAR AWARDED THE PRESTIGIOUS LSE-KUWAIT FELLOWSHIP



Dr. Jean El Achkar, Assistant Professor in the Petroleum Engineering Department has been selected to receive the prestigious Kuwait Fellowship at the London School of Economics and Political Science (LSE). LSE, one of the world's most renowned academic institutions, is recognized for its excellence in social sciences and policy research. Recently ranked as the top university in the UK and named the "University of the Year 2025", LSE offers an exceptional platform for groundbreaking research. This highly competitive fellowship, funded by the Kuwait Foundation for the Advancement of Sciences (KFAS), will enable Dr. Jean to serve as a Visiting Research Scholar at the LSE Middle East Centre in London from 1st of June 1 to 1st of September 2025. During this period Dr. Jean will be conducting research on his proposed topic: "Unlocking Kuwait's Bioenergy Potential: Integrating Organic Waste Valorization into Renewable Energy and Environmental Policy".

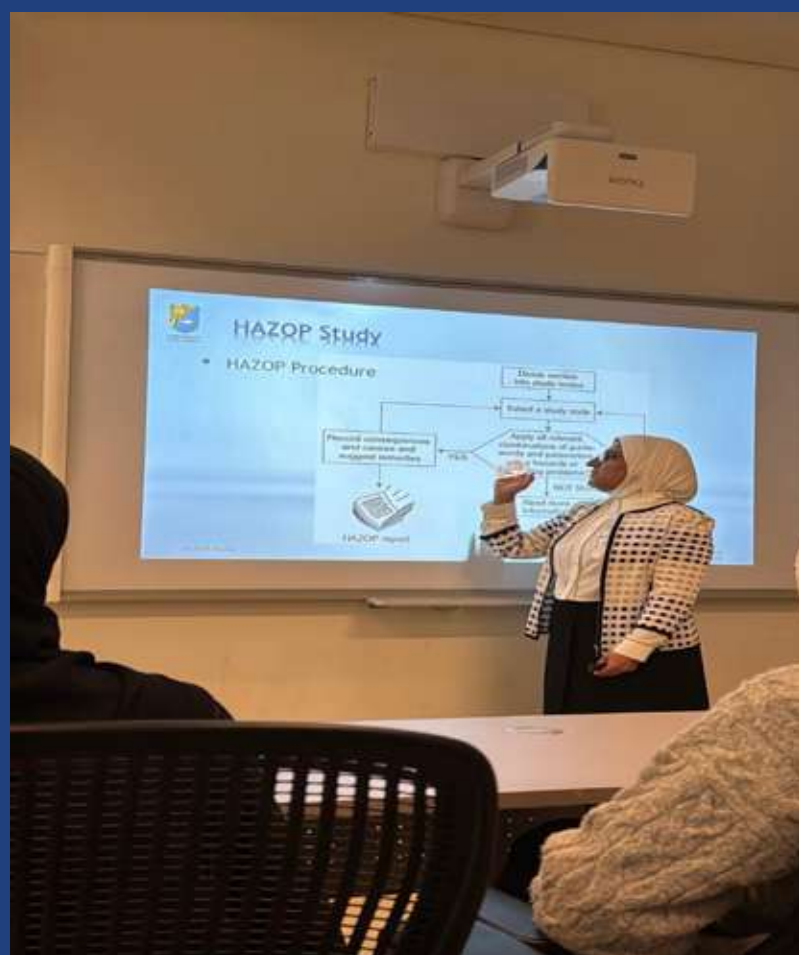
This fellowship represents a remarkable opportunity to contribute to Kuwait's energy diversification and environmental sustainability goals. It also underscores the importance of fostering impactful research that can benefit both Kuwait and the broader Middle East region.

DR. SUAD AL RADHWAN DELIVERS LECTURE AT KUWAIT UNIVERSITY

On Wednesday 11th of December 2024, Dr. Suad Al Radhwan, an Assistant Professor in the Petroleum Engineering Department at the Australian University was invited by Kuwait University to deliver a lecture to the Chemical Engineering Department students.

The lecture titled "Hazard & Operability (HAZOP) Study," was part of the course ChE 391 Process Synthesis. Dr. Suad presented a brief overview of HAZOP, its mechanism and emphasized the importance of Oil and Gas employees being fully aware of HAZOP analysis to avoid hazardous situations in process plants.

Dr. Suad certified as a HAZOP Chairman shared her vast experience in HAZOP analysis for Oil & Gas industries with the students. She taught them how to conduct a HAZOP study during the design and modification phases as well as how to address challenges in processing plants within the Oil & Gas industries. The lecture included HAZOP analysis for actual cases, providing practical insights into this critical safety methodology.



DR. SUAD AL RADHWAN HONORED BY THE 7TH INTERNATIONAL MAINTENANCE, RELIABILITY AND ASSET MANAGEMENT CONFERENCE (MAINTCON 2024) STEERING COMMITTEE

Dr. Suad Al Radhwan, Assistant Professor in the Petroleum Engineering Department at the Australian University (AU), was honored by the MAINTCON 2024 Steering Committee with an invitation to the Appreciation Dinner for the 7th International Maintenance, Reliability and Asset Management Conference & Exhibition (MAINTCON 2024) held on Friday 21st of February 2025 in Bahrain.



Dr. Suad was presented with an appreciation memento by Mr. Ahmad Al Jelwah Chairperson of the Gulf Society for Maintenance & Reliability (GSMR) in recognition of her invaluable contributions as Chairperson of the Innovation Corner and her management of various activities throughout the preparation and execution of MAINTCON 2024. Her dedication was instrumental in the success of MAINTCON 2024.



DR. SUAD AL RADHWAN PARTICIPATION IN THE KUWAIT SUSTAINABLE ENERGY WEEK (KSEW)



Dr. Suad Al Radhwan, Assistant Professor in the Petroleum Engineering Department, attended the Kuwait Sustainable Energy Week (KSEW), held from 11th to 13th May 2025 at the Kuwait International Fairgrounds. It was the first event of its kind in Kuwait, aimed at supporting renewable energy and its applications in the country.

The event was organized by the Ministry of Electricity, Water and Energy (MEW) in coordination with the Regional Center for Renewable Energy and Energy Efficiency (RCREEE). It included an international conference, exhibition and workshops, with participation from both local and international companies. The event was officially inaugurated by the Minister of MEW, Dr. Sobeeh Al Mukhaizim, followed by a tour of the exhibition.



Life Energy, as a gold sponsor, invited the Australian University (AU) to participate in their booth, showcasing the winning project from the Fall 2024-2025 semester titled "Energy Efficiency Concept for the Oil & Gas Upstream Sector."

During his visit to the Life Energy booth, the Minister received a comprehensive overview of the project and was introduced to the initiative of establishing a Solar Academy at AU through Life Energy. The presentation underscored the academy's role in supporting Kuwait's Vision 2035. The Minister expressed strong admiration for the initiative and commended the proactive approach taken towards achieving the national vision.

DR. MORTADHA AL SABA PARTICIPATION IN THE SPE/IADC CONFERENCE

Dr. Mortadha Alsaba, Associate Professor and Head of the Petroleum Engineering Department, participated as a judge in the Student Paper Contest (PhD Division) alongside other distinguished academic and industry professionals. He supported the evaluation of innovative student research in petroleum engineering at the SPE/IADC Conference held in Abu Dhabi on May 28th and 29th, 2025. His participation contributed to recognizing emerging talent and reflects AU's active engagement in international academic and professional forums.



JUNIOR ENGINEERING CAMP 2025

The poster for the Junior Engineers Camp 2025 features a photograph of two young men working on a computer in a lab setting. The text on the poster includes the title 'JUNIOR ENGINEERS CAMP', the tagline 'Where Circuits Meet Creativity: Future Engineers Start Here!', and a 'JOIN NOW' button. Below this, a row of icons represents the camp's details: dates (Jun 10th - 23rd, 2025), duration (30 Hrs), time (09:00 AM - 12:00 PM), location (AUSTRALIAN UNIVERSITY (AU)), and age group (14+). A section titled 'CAMP OBJECTIVES:' lists eight bullet points about the camp's goals, such as sparking curiosity with hands-on coding and building confidence through teamwork. At the bottom, contact information is provided: a phone number (22620866), a WhatsApp number (65564560/98922404), and an email address (aa@aa.com.kw).

JUNIOR ENGINEERS CAMP
*Where Circuits Meet Creativity:
Future Engineers Start Here!*

JOIN NOW

Jun 10th - 23rd, 2025 Duration: 30 Hrs 09:00 AM - 12:00 PM AUSTRALIAN UNIVERSITY (AU) Age group: 14+

CAMP OBJECTIVES:

- Spark curiosity with hands-on coding, AI, ML, electronics, and civil engineering.
- Bring ideas to life by building circuits, programming smart sensors, and using LEDs, buzzers, and robot cars.
- Explore real-world AI through face detection, object tracking, voice recognition, and training ML models.
- Tackle engineering challenges by designing, testing, and improving creations.
- Build confidence and creativity via teamwork, communication, and visual programming.
- Master the design process: Brainstorm, prototype, and present final projects.
- Develop teamwork and leadership by collaborating with diverse peers.

22620866 65564560/98922404 aa@aa.com.kw

The Junior Engineering Camp took place from June 10th to June 23rd, 2025, at the AU campus. Our junior students were exposed to a variety of activities ranging from an introduction to engineering to various lab experiments and hands-on tasks. The participants were awarded a certificate of attendance at the end of the camp to recognize their achievements.

The different activities were delivered by AU staff members, each in their specialty domain. The activities were conducted in different laboratories on campus at AU, so the participants were working in the same environment as our engineering students.

Here is a list of the AU staff members who conducted the different sessions at the camp:

Electrical & Electronics Engineering Department:

1. Eng. Asama Aktar
2. Eng. Laila Dallol
3. Eng. Reem Akasha

Civil Engineering Department:

1. Eng. Adel Juma
2. Eng. Ammar Nouri

The participants in the camp were of different ages and are studying at different schools in Kuwait.
List of participants:

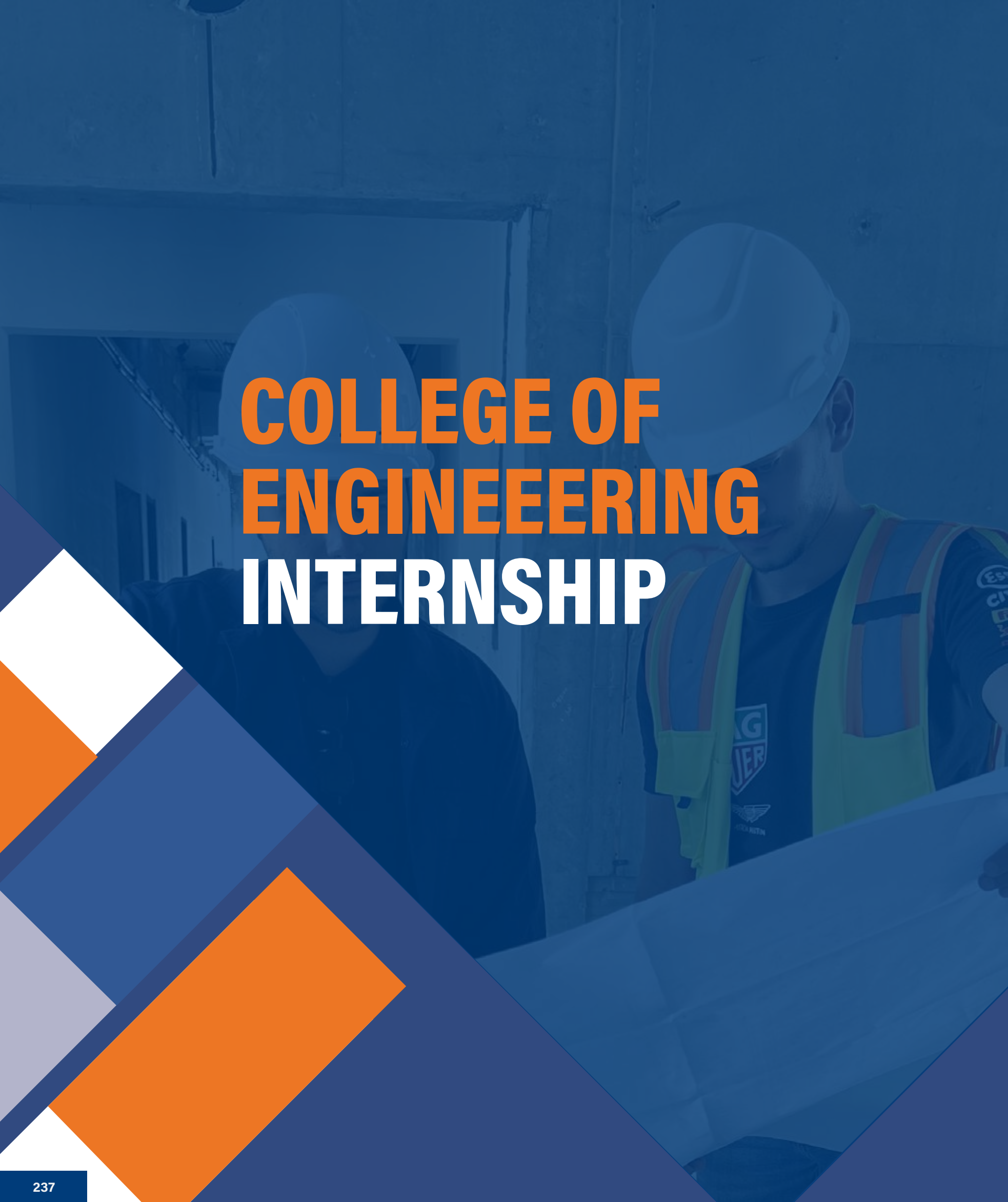
1. **Shaikha Al Saher**
2. **Khalid Alkaaoud**
3. **John Marchese**
4. **Ziad Derbalah**
5. **Firas Hassan**











COLLEGE OF ENGINEERING INTERNSHIP

THE COLLEGE OF ENGINEERING INTERNSHIP PROGRAM



Mrs. Joumana Tasse

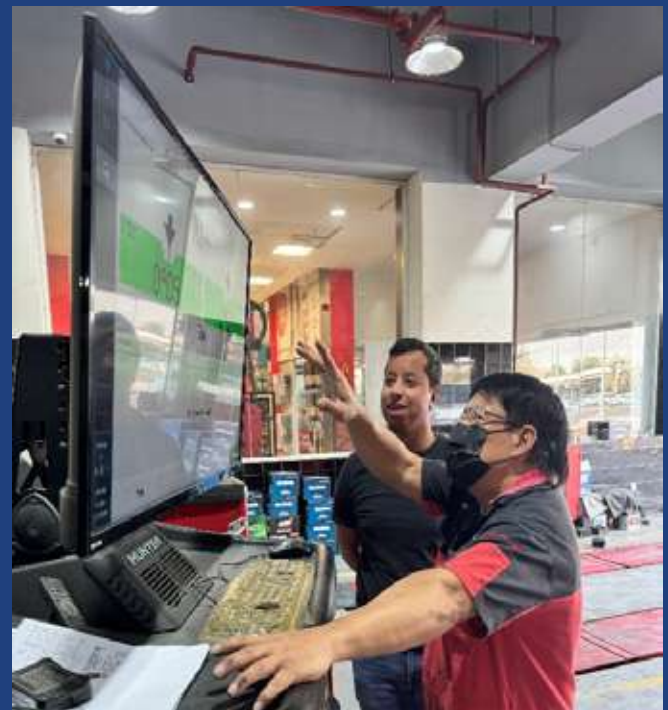
Senior Coordinator - Alumni Outreach
Alumni & Career Placement Center

The College of Engineering offers an internship program designed to provide students with valuable work experience and meaningful industry connections. Each semester, a structured recruitment process begins for both students and employers. Students are matched with a company of their choice, facilitated by the Senior Coordinator of Alumni Outreach, who supports the selection process using a curated database of over 185 employers.

Each internship spans a 150-hour work term, during which students undertake tasks aligned with their academic background and career interests. To ensure a high-impact learning experience, the program includes a series of assessment tools that evaluate students' transition from the classroom to the workplace. These assessments also identify potential skill gaps, which help inform future educational strategies.

Employers play a critical role in the feedback process. They evaluate student performance and provide constructive critiques of the curriculum, enabling the College of Engineering to continuously enhance the quality and relevance of its programs.

Mid-term site visits by faculty advisors further enrich the experience. These visits serve as a checkpoint to review student progress and gather real-time feedback from employers. Employers value these interactions as they offer a platform to share evolving industry needs and strengthen partnerships.



Student: Majed Nabeel AlMajed

Major: Bachelor of Electrical and Electronics Engineering

Host Employer: Al Ghannam Tire Center Company

Work Term: Spring 2025

“ The internship helped me gain additional knowledge about how components work as well as testing. The best part about my internship is that I learnt much more about electrical engineering. ”



Student: Taleb Mishaal Taleb AlRefae

Major: Bachelor of Electrical and Electronics Engineering

Host Employer: Al-NISF Electrical Company

Work Term: Spring 2025

“ During my internship at Al Nisf Switchgear Company, I was able to significantly improve my understanding of both electrical and mechanical assembly processes. Hands-on work with company wiring, busbar installation, and structure mounting gave me insight into real-world applications that I hadn't experienced in academic settings. I gained valuable experience working on QA/QC procedures and software. Creating test reports and following FAT (Factory Acceptance Test) procedures helped me understand the importance of precision and compliance in quality assurance. Working with CNC machines for busbar preparation introduced me to the basics of automated manufacturing. I learned how precision and efficiency are critical in production, and I'm now more comfortable with interpreting and preparing designs for CNC processes. Collaborating with engineers and technicians gave me a better understanding of how teamwork, communication, and time management play crucial roles in a professional engineering environment. While I gained exposure to various systems and processes, I recognized the need to strengthen my knowledge in CAD tools and electrical design software to better contribute to similar roles in the future. ”



Student: Abdulwahab Majed Hussain AlFailakawi

Major: Bachelor of Electrical and Electronics Engineering

Host Employer: Hydrotek

Work Term: Spring 2025

“This internship made me open my eyes to the field that I work in which is electrical work I have worked in construction sites where I had hands on experience in instillation of outlets and. Conduits and testing this experience was really great and it has helped me a lot and helped me gain a lot of new information about my major.”



COLLEGE OF ENGINEERING

AU ALUMNI & CAREER PLACEMENT CENTER



Mrs. Joumana Tasse

Senior Coordinator - Alumni Outreach
Alumni & Career Placement Center

The Career Fair & Seminar of 2024 at the Australian University – AU served as a valuable platform for students, alumni and the public to engage directly with industry representatives, offering insight into career opportunities across various sectors and industries. It was scheduled on the 24th of October 2024, from 09:00AM to 05:00PM at the AU Hangar, building six. The event facilitated networking, career exploration and on-the-spot interviews, especially benefiting applicants looking for internships, part-time roles or full-time positions. It also featured diverse employers and organizations showcasing opportunities for students and graduates. With an attendance of over 1,800 visitors, the event highlights AU's commitment to empowering its students and alumni with the tools and networks needed to thrive in their careers.









**SCAN THE QR CODES BELOW TO
ACCESS THE VIDEOS OF THE EVENT**





www.au.edu.kw

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