

# COLLEGE OF ENGINEERING



## ENGINEERING SUSTAINABILITY

Dhofar University Signs Strategic MoUs  
with **GORD**-Qatar and **GBS**-Vienna





“ENGINEERING THE FUTURE.

— D H O F  
UNIVER



SUSTAINING THE WORLD.”

A R \_\_\_\_\_  
S I T Y

# VISION

The College foresees a future in which its graduates are branded for their breadth and depth of knowledge, exemplary technical and personal skills, awareness of the world around them, commitment to excellence, passion to achieve, and for their abilities to work in and manage diverse teams.

# MISSION

The College shall create the conditions that promote academic excellence, nurture responsibility, breed professionalism, drive personal growth so that students define their purpose and develop the skills and character that enable them to transform 21st century challenges into possibilities, advance their lives, affect their community, and impact the world.

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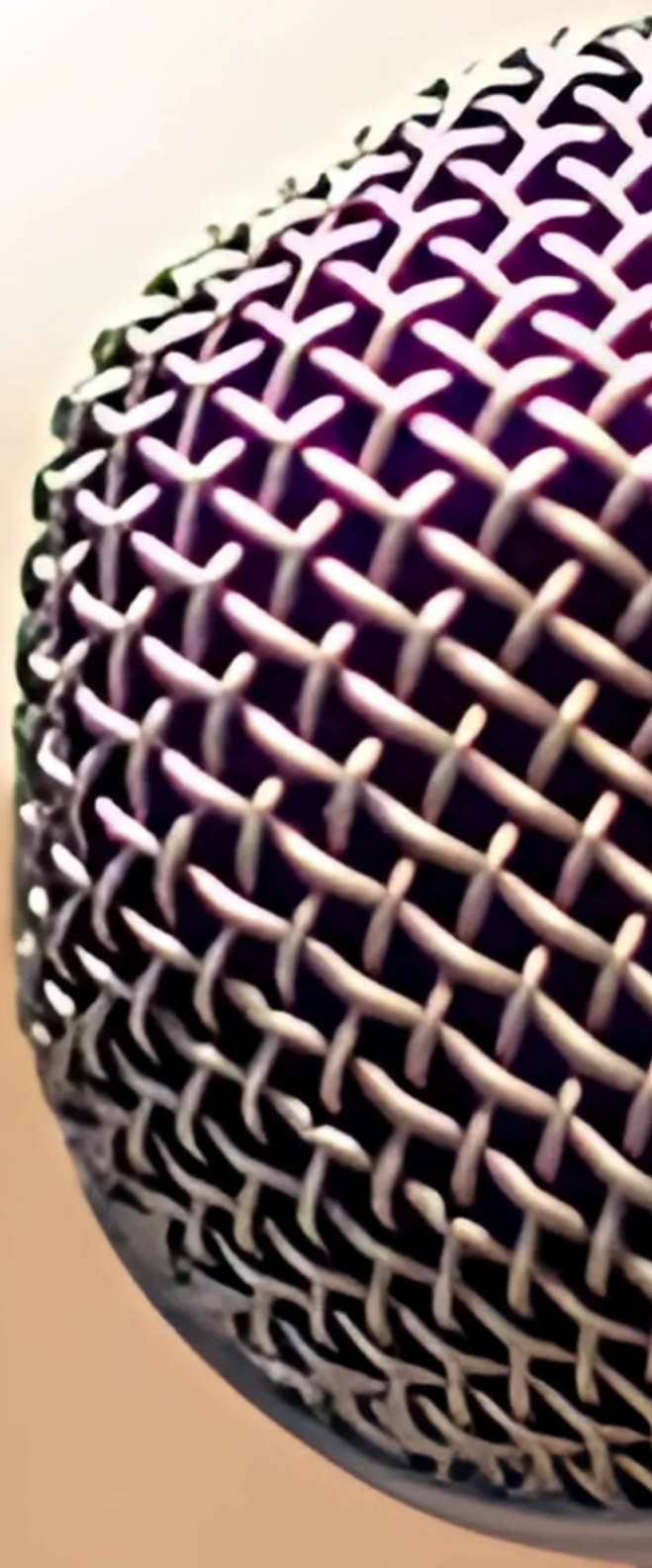
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01

## Dean's Message

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**“Setting Direction  
Through Vision,  
Responsibility, and  
Purpose.”**

# CE Newsletter

FALL | SPRING

2024 - 2025

## DEAN'S MESSAGE



Welcome to the College of Engineering at Dhofar University, an inspiring and dynamic student-centered academic environment committed to providing excellence in engineering education.

The College offers seven Bachelor's programs, five diploma programs, and newly introduced Master's programs, designed to equip students with the knowledge, skills, and hands-on experience needed to succeed in evolving engineering fields. We place strong emphasis on practical learning through more than 25 state-of-the-art laboratories and engineering facilities, where students engage with modern technologies and real-world challenges. This environment fosters not only learning but also innovation, creativity, and research engagement.

Our experienced faculty and active researchers, including scholars ranked among the world's top 2%, are dedicated to supporting, encouraging, and guiding our students to excel and make meaningful contributions to the world around them.

The student experience beyond the classroom is a key priority within our learning environment, helping to shape engineers who are confident and ready for professional practice. The Engineering Students' Society plays an important role in this by organizing many extracurricular activities and initiatives that offer immersive opportunities to develop leadership skills, teamwork, and a strong sense of community engagement.

We warmly invite you to explore our programs, meet our team, and visit the College to experience our collegial and supportive educational environment, an experience we are confident will leave a lasting impression.

**Dr. Issam Bahdoor**  
Dean, College of Engineering  
Dhofar University

# كلية اهندسة

“Leading with Vision.  
Driving Impact.”

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02

## Strategic Partnerships & Flagship Achievements

**“Building Alliances That Translate Vision into Measurable Impact.”**

# COLLEGE OF ENGINEERING AND GORD PROMOTE SUSTAINABILITY THROUGH "REWAA DHOFAR" EVENT

FEBRUARY 23, 2025



Dhofar University's College of Engineering organized the "REWAA DHOFAR" event under the theme "Sustainable Development in the Sultanate and Ways to Enhance It in Society." The event, held under the patronage of Professor Amer bin Ali Al Rawas, Vice Chancellor of Dhofar University, gathered academic and government officials, along with sustainability experts.

Organized by Dr. Issam Bahdoor, Dean of the College of Engineering, and Dr. Lamia Mostafa Abd-Rabo from the Department of Architecture, the event aimed to raise awareness about sustainability's role in achieving Oman Vision 2040.

The program opened with an introductory presentation on Dhofar University and the Gulf Organization for Research and Development (GORD).

**“ REWAA DHOFAR transforms sustainability from vision into action.”**

Dr. Issam Bahdoor reaffirmed the university's commitment to sustainability, while Dr. Yousef bin Mohammed Al-Horr, Chairman of GORD - Qatar, emphasized integrating GSAS (Global Sustainability Assessment System) standards into engineering curricula to prepare future professionals for climate challenges.

Key presentations included a session on "New Salalah City" by the General Directorate of Housing and Urban Planning and a presentation by Mwasalat on the "Integrated Public Transport Hub Development Project in Nizwa." Additionally, Nama Dhofar Services, OQBI, and Omantel showcased their sustainability initiatives.

The event concluded with a panel discussion on best practices for fostering sustainability, stressing the importance of collaboration between academia and industries to achieve Oman's sustainable development goals.



WHERE GROWTH FINDS ITS ROOTS

# DHOFAR UNIVERSITY AND GORD FORGE STRATEGIC SUSTAINABILITY ALLIANCE

FEBRUARY 23, 2025



The agreement also seeks to raise awareness among students and faculty about best sustainability practices, ensuring the development of a skilled workforce capable of leading the transition to environmentally responsible urban planning.

Professor Al-Rawas emphasized the critical role of academia in preparing future generations for sustainability challenges, noting that this collaboration provides students and faculty with essential tools to implement global green building standards and strengthen climate resilience in Oman.

Dr. Al-Horr highlighted that the MoU supports Oman Vision 2040's environmental agenda, fostering expertise to tackle climate change challenges.

Dr. Issam Bahdhoor, Dean of the College of Engineering, added that GORD will provide training programs and certifications for faculty, allowing them to become certified GSAS trainers.

This collaboration is a milestone for Dhofar University, offering engineering students specialized skills and knowledge to become leaders in sustainable construction. The initiative was led by Dr. Issam Bahdhoor and Dr. Lamiaa Mostafa Abd-Rabo.

## In Collaboration with



In a significant move toward sustainability in the construction sector, Dhofar University, represented by its College of Engineering, has signed a Memorandum of Understanding (MoU) with the Gulf Organisation for Research and Development (GORD), headquartered in Qatar. The agreement, signed by Professor Amer bin Ali Al Rawas, President of Dhofar University, and Dr. Yousef bin Mohammed Al-Horr, Chairman of GORD, marks a key collaboration in advancing green building education.

The partnership aims to integrate Global Sustainability Assessment System (GSAS) standards into the curriculums of the College of Engineering, enhancing educational quality and equipping students and professionals with expertise in sustainable construction.



“Sustainability starts with education—and scales through action.”



“Industry is our classroom; experience is our outcome.”



“Global standards, local impact.”



Scan the QR Code to Watch the Video



VIDEO

“From awareness to real impact.”



“Sustainability begins on campus.”



“Bridging classrooms and careers.”



“Think global. Act sustainable.”



“Shaping engineers through practice.”





# DHOFAR UNIVERSITY SIGNS LANDMARK MOU WITH OMAN TOWER COMPANY

FEBRUARY 23, 2025



**“From theory to impact –this is engineering redefined.”**

In a landmark step reflecting the evolving landscape of engineering education in Oman, Dhofar University’s College of Engineering signed a Memorandum of Understanding (MoU) with Oman Tower Company to strengthen the link between academic learning and industry practice. The partnership is designed to equip students with the practical skills, professional exposure, and technical competencies required by today’s workforce.

The signing ceremony took place in the presence of Prof. Amer bin Ali Al-Rawas, Vice-Chancellor of Dhofar University, and Eng. Majid bin Amer Al-Kharousi, CEO of Oman Tower Company. Commemorative gifts were exchanged, symbolizing the long-term cooperation envisioned by both institutions.

Under the agreement, engineering students will benefit from on-site field training at Oman Tower project locations across the Sultanate. The collaboration also includes specialized workshops, knowledge-sharing forums with industry experts, and opportunities for joint research and consultancy. In addition, the MoU supports advanced training programs for both university students and company staff, contributing to the development of technical and professional expertise.

Dr. Issam Bahdoor, Dean of the College of Engineering, noted that the partnership supports the college’s mission to provide students with meaningful real-world learning experiences. He emphasized that the agreement helps transform academic knowledge into practical application and prepares students for future leadership roles in engineering.

This initiative forms part of the college’s broader contribution to Oman Vision 2040 and was jointly led by Dr. Issam Bahdoor and Dr. Lamiaa Mostafa Abd-Rabo.

**STRATEGIC PARTNERSHIPS**

# COLLEGE OF ENGINEERING RENEWS STRATEGIC GREEN BUILDING PARTNERSHIP WITH VIENNA

2024 - 2025



**“From Dhofar to Vienna: Advancing Sustainability Through Global Excellence.”**

Dhofar University’s College of Engineering has renewed its strategic partnership with the internationally recognized Green Building Solutions Summer University in Vienna, marking the second consecutive year of collaboration. This achievement reinforces the University’s position as the first Omani institution to partner with the GBS program for two successive years.

The Memorandum of Understanding was signed by Professor Amer bin Ali Al-Rawas, Vice Chancellor of Dhofar University, in the presence of Dr. Issam Bahdoor, Dean of the College of Engineering, and Dr. Lamiaa Mostafa Abd-Rabo, Head of Training at the College.

The program is organized by leading Austrian institutions, including TU Wien, BOKU, and Austrian Institute of Technology. With participation from over 60 international institutions, it integrates academic excellence with real-world applications in climate-resilient design, advanced energy systems, and low-carbon construction.

Delivered in net-zero facilities, the program combines expert-led lectures, practical projects, and field visits to Vienna’s leading sustainable buildings. Participants earn a certified international diploma upon completion.

Under this partnership, the College has awarded two full scholarships to top-performing students selected through a competitive process. This initiative provides direct exposure to global best practices and multicultural academic environments.

The collaboration aligns with Oman Vision 2040 by advancing innovation, strengthening sustainability education, and positioning Dhofar University as an active contributor to global discourse on urban development and environmental planning.



Summer University  
in Vienna

# Green. Building. Solutions.

Photo: J. Konstantinov

14 July – 02 August 2025

Idea by Günther Jedliczka



International students  
and professionals

**7 ECTS for  
your studies**

Hands-on  
building  
designs

# ELECTRICAL AND ELECTRONIC ENGINEERING PROGRAM OFFICIALLY LISTED IN THE OMAN QUALIFICATIONS FRAMEWORK (OQF)

2024 - 2025

In a significant boost to Dhofar University's academic profile, the College of Engineering announced that its Bachelor of Science in Electrical and Electronics Engineering program has been officially included in the Oman Qualifications Framework (OQF). This recognition, granted by the Oman Authority for Academic Accreditation and Quality Assurance of Education (OAAAQA), reflects the college's commitment to high academic standards and continuous improvement, affirming its status as a leading center for engineering education.

The accreditation marks the culmination of years of dedicated work by the college's administration to provide an educational program that meets both national and international standards. With a curriculum tailored to address the demands of a rapidly changing industry, the college emphasizes fostering an environment that encourages creativity and innovation. By securing a position on the OQF, the program now holds formal recognition for its quality and structure, enhancing graduates' employability and readiness for the workforce.

The Dean of the College of Engineering stated, "Our program's inclusion in the national registry is a testament to the dedication of our faculty and staff and the unwavering support of the university administration." The college also extended gratitude to university leadership for their role in this achievement.

This milestone highlights Dhofar University's dedication to advancing engineering education, equipping students with the skills needed to navigate and succeed in the engineering sector's future.



**“ The inclusion of this program in the Oman Qualifications Framework confirms Dhofar University’s commitment to quality, credibility, and future-ready engineering education.”**



# DHOFAR UNIVERSITY SHINES IN THE SECOND EDITION OF OQ HACKATHON 2024

SEPTEMBER 2024



DU students achieved remarkable success in the second edition of the OQ Hackathon 2024. A team from the Department of Architecture won first place in the challenge titled "Developing old places and buildings in Central Salalah, Eastern Salalah, and Al-Dhariz," set by the Office of the Governor of Dhofar. The team's innovative design, titled "ERTH Al-Dhariz," combined historical preservation with modern sustainability solutions, benefiting the local community. The team members were Ahmed Khalid Bamakhalaf, Hassan Jamal Ali, Abdullah Ahmed Bait Othman, Linda Mujahid Kanaan, and Nour Eldin Mamdouh. In a related challenge, Team "Mu'een" from the University of Dhofar secured third place in a "Customer Service Using Artificial Intelligence" competition sponsored by Nama Group.



**“Transforming student talent into innovative, real-world impact.”**

The team, comprising Ali Al-Mujibi and Amin Al-Mashani from the Department of Electrical and Computer Engineering and Shihab Al-Jabri from the Department of Computer Science in the College of Arts and Applied Sciences, offered an innovative solution to enhance customer experience using AI. Additionally, the team earned two awards from Matterz, which included an Innovation Certification and a Design Thinking Professional Certificate. Hackathon organizers plan to adopt and support the winning ideas. Furthermore, Dr. Lamiaa Mostafa, a lecturer in the Department of Architecture, provided support and training to the students from the early stages of the competition and also participated as an expert in the event, reinforcing the university's role in fostering innovation and supporting students in achieving academic and professional excellence.



# DHOFAR UNIVERSITY STUDENTS SHINE IN NASA SPACE APPS CHALLENGE

OCTOBER 5-6, 2024



**“Innovation today, sustainability tomorrow, impact beyond borders.”**

A team from Dhofar University has earned international recognition in the 2024 NASA Space Apps Challenge, one of the world’s leading competitions in science, technology, and innovation. Hosted in Oman for the second consecutive year and organized by the National University of Science and Technology in Ibra, the event reflects the Sultanate’s growing commitment to nurturing young talent in STEM fields.

The Dhofar University team included engineering students Ameen Ahmed Al-Mashani, Suhail Salim Al-Barami, Ahmed Mohammed Ibrahim, Azzam Abdullah Bait Obaidon, and Mohammed Jamal Salim, together with Mohammed Rayan Asaf from the College of Arts and Applied Sciences.

The team was mentored by Engineer Abdulaziz Ali Al-Shashaei.

Demonstrating strong creativity and technical capability, the team advanced to the top 32 teams in Oman and took part in the final camp held in Ibra on October 5–6. Their achievement also placed them among the top 1000 projects globally, with the final international results expected next year.

Competing under the challenge “Tell Us a Climate Story,” the team developed Cosmic Blueprint, an innovative website designed to raise environmental awareness and support international efforts in climate action and protection. The project reflects a meaningful blend of technology, education, and sustainability.

This accomplishment highlights the talent, ambition, and innovative spirit of Dhofar University students, while reaffirming the university’s commitment to supporting scientific excellence, digital innovation, and sustainable development in line with building a better future.

# COLLEGE OF ENGINEERING SECURES MOHERI BLOCK FUNDING FOR 2024 PROJECTS

2024 - 2025



وزارة التعليم العالي  
و البحث العلمي والابتكار  
Ministry of Higher Education  
Research & Innovation



**BIOMASS DERIVED CARBON MATERIALS WITH TAILORED POROSITY AND FUNCTIONALITY FOR ADVANCED ENERGY STORAGE APPLICATIONS; A STEP TOWARDS GREEN AND SUSTAINABLE OMAN**

Research Team:  
PI: Dr. Khan, Shaikat  
Co-PI: Dr. Sohaib Tahir

College of Engineering

Approved amount: 15,484 OMR

**DESIGN OF SOLAR-POWER BOAT FOR TOURISM IN OMAN**

Research Team:  
PI: Mohammed Musallam  
Co-PI: Rodina AlAmri  
Team member: Abdullah Al-Hamar  
Mentor: Dr. Paul Okonkwo

College of Engineering

Approved amount: 1,500 OMR

**ENHANCING ENVIRONMENTAL SAFETY IN THE OMANI OIL AND GAS INDUSTRY WITH AUTONOMOUS DRONE SURVEILLANCE**

Research Team:  
PI: Azan Alabri  
Co-PI: Mohamed Ahmed Awad  
Team member: Abdullah Al-Hamar  
Mentor: Dr. Qamar Ul-Islam

College of Engineering

Approved amount: 1,500 OMR

**CONTROLLING HOME APPLIANCES BY IOT APPLICATION**

Research Team:  
PI: Ismail Al Habai  
Co-PI: Abdullah Al-Walidi  
Team member: Muhamad Salim Muhamed, Suhail AlBaraami  
Mentor: Dr. Muhammad Maroof Siddiqui

College of Engineering

Approved amount: 1,500 OMR

**ENHANCING THE RESILIENCE OF OMAN LNG ASSETS: A FAULT DETECTION AND PREVENTION FRAMEWORK USING BIG DATA AND MACHINE LEARNING**

Research Team:  
PI: Dr. Dr. Mohd Shariq Khan  
Co-PI: Sameen Ahmed Khan

College of Engineering & College of Arts and Applied Sciences

Approved amount: 19,200 OMR

**ARTIFICIAL INTELLIGENCE-BASED APPROACH FOR AUTOMATION OF PHASE RECOGNITION IN PIPELINE STEELS USED IN HYDROGEN ENERGY SYSTEMS**

Research Team:  
PI: Dr. Monzer Daoud  
Co-PI: Dr. Hedi Haddad  
Co-I: Dr. Refat Al Shannaq

College of Engineering & College of Arts and Applied Sciences

Approved amount: 19,800 OMR

**“Research excellence delivering transformative global impact.”**

Dhofar University’s College of Engineering has secured funding under the 2024 Block Funding Program by the Ministry of Higher Education, Research, and Innovation. These projects reflect the University’s commitment to sustainability and align with Oman Vision 2040, focusing on renewable energy, digital transformation, and environmental resilience.

Among the funded initiatives is a project converting agricultural waste into biomass-derived carbon for sustainable energy storage, reducing reliance on fossil fuels. Another explores solar-powered tourism boats, assessing clean energy solutions to support eco-friendly tourism in Oman.

In the field of smart technologies, a project on IoT-based home automation aims to enhance energy efficiency and user convenience through intelligent control systems. Additionally, an AI-driven personalized learning platform seeks to improve student engagement by adapting educational content to individual needs.

Addressing industrial safety, a drone-based surveillance system is being developed to monitor environmental risks in the oil and gas sector, enhancing operational safety and compliance.

Collaborative research with the College of Arts and Applied Sciences includes applying AI and big data to improve resilience in LNG infrastructure through predictive maintenance. Another project uses AI for steel phase recognition to enhance safety in hydrogen systems, supporting Oman’s green hydrogen ambitions.

These initiatives demonstrate Dhofar University’s focus on impactful research, innovation, and student involvement, contributing to a sustainable and technology-driven future.

**FLAGSHIP ACHIEVEMENTS**

A group of diverse hands holding glowing lightbulbs against a background of a network diagram. The hands are of various skin tones, and the lightbulbs are illuminated, casting a warm glow. The background features a network of blue lines and dots, suggesting a digital or interconnected environment.

**“Emphasizes outcomes,  
not just agreements.”**



03

## Global Collaboration & Institutional Engagement

**“Extending  
Knowledge Beyond  
Borders to  
Strengthen Local  
Relevance.”**

# COLLEGE OF ENGINEERING PARTNERS WITH VIENNA SUMMER UNIVERSITY

2024 - 2025



In partnership with Vienna’s Green Building Solutions (GBS) Summer Program, Dhofar University’s College of Engineering enabled engineering student Abdullah bin Ahmed Beit Othman to gain hands-on experience in sustainable architecture. Over a month, Abdullah participated in intensive training focused on eco-friendly building techniques, learning energy-efficient design and carbon reduction strategies through sustainable materials and recycling practices.

The program combined theory with practical exposure, including guided bike tours around Vienna, where students examined green architecture projects such as green roofs, natural ventilation, and urban integration for minimal environmental impact.



**“Global training shaping future sustainability leaders.”**

A key experience was Abdullah’s involvement in a collaborative project where he applied passive energy design and lifecycle analysis, working alongside an international group of students and experts.

Supervised by Dr. Issam Bahdoor, Dean of the College of Engineering, and Dr. Lamiaa Mostafa, an architectural engineering lecturer, the program underscored Dhofar University’s dedication to fostering global perspectives and sustainability leadership.

“Abdullah praised the program as a unique educational and cultural journey, deepening his knowledge of sustainable design and giving him new insights into Vienna’s architectural innovations.”

This collaboration highlights Dhofar University’s commitment to preparing its students for a future of sustainable development and innovation.



# Summer University in Vienna

## Green. Building. Solutions.



14 July – 02 August 2025



# COLLEGE OF ENGINEERING PARTNERS WITH ALEXANDRIA UNIVERSITY ON BIM FOR A SUSTAINABLE FUTURE

AUGUST 2024

Alexandria University's Faculty of Engineering hosted a specialized workshop on sustainable design using BIM technology. Led by Dr. Lamiaa Mostafa from Dhofar University, with support from Dr. Mohamed Assem, Acting Head of the Architectural Engineering Department at Alexandria University, the workshop attracted academics, researchers, professionals, and students interested in sustainable architecture.

Titled "Sustainability on BIM using Autodesk Revit and Insight 360," the workshop combined theoretical knowledge with practical training. Participants explored how BIM tools can support eco-friendly, cost-effective design and learned recent technological updates in sustainable architecture.



The initiative reflects ongoing collaboration between Dhofar and Alexandria Universities to advance knowledge sharing, innovation, and sustainability in architectural education.

## BRIDGING UNIVERSITIES THROUGH SUSTAINABLE ARCHITECTURAL INNOVATION

FEBRUARY 4, 2025

**WORKSHOP**  
Sustainability on BIM Using  
Autodesk Revit and Insight 360

برعاية كريمة من

أ.د/ محمد جلال  
عميد الكلية

أ.د/ محمد عبدالمالك  
نائب رئيس الجامعة  
للوحة القبلي

أ.د/ سلامة داوود  
رئيس الجامعة

أ.د/ أحمد محمد عيّد  
مسئوق الفرقة الأولى  
عمارة بناث

أ.د/ محروس علي محمد  
وكيل الكلية

يحاضر فيها :  
د. لمياء مصطفى  
جامعة ظفار - صلالة - عمان

الثلاثاء  
04-2-2025  
02:00 مساءً

the Faculty of Engineering at Al-Azhar University in Qena hosted a specialized workshop titled "Smart Sustainability in Building Information Modeling (BIM) Using Revit and Insight 360." Led by Dr. Lamiaa Mostafa Abd-Rabo from Dhofar University, the workshop targeted architecture students, faculty members, graduates, and researchers. It explored how digital tools can support sustainable, energy-efficient design through practical applications of Revit and Insight 360. Held under the patronage and supervision of university leadership, the event reflected a shared commitment between Al-Azhar and Dhofar Universities to strengthen BIM skills, sustainability awareness, and inter-university academic collaboration.



# COLLEGE OF ENGINEERING HOSTS SALALAH FREE ZONE AND RUSSIAN DELEGATION

OCTOBER 3, 2024

Dhofar University's College of Engineering welcomed a delegation from the Salalah Free Zone and a Russian steel company planning to establish a steel manufacturing facility in Salalah. The meeting was led by Assistant Dean Dr. El-Manaa Barhoumi, with participation from faculty members across departments and a representative of the Industry and Community Engagement Committee.

Dr. Barhoumi presented the College's academic programs, advanced facilities, and graduate achievements. The delegation also toured the laboratories to observe students' practical training and technical skills.

The company expressed interest in training and recruiting engineers from different disciplines.



Discussions explored future collaboration in knowledge transfer, advanced technology, and student employment, supporting Oman Vision 2040 and Dhofar University's commitment to industry partnership and workforce development.

## NEW COLLABORATION BETWEEN THE COLLEGE OF ENGINEERING AND ISAG CONSULTING ENGINEERS

MARCH 18, 2025



The meeting was attended by Dr. Sherif Farghaly, General Manager of ISAG, and Dr. Issam Bahdoor, Dean of the College of Engineering. The two sides discussed potential areas of future collaboration, including internship opportunities for students, support for research projects, and the organization of joint academic and professional events aimed at developing students' skills and preparing them for the job market.

As part of its ongoing efforts to strengthen partnerships with the private sector and support its students, the College of Engineering at Dhofar University hosted a meeting with representatives from Infra-Structure and Architectural Group (ISAG) Consulting Engineers. The meeting marked the official announcement of ISAG's sponsorship of the student Engineering Society at the college.

This initiative is part of the College of Engineering's vision to enhance cooperation with industrial and consulting institutions, fostering the integration of academic knowledge with practical experience, and contributing to the graduation of well-qualified engineers capable of meeting contemporary challenges.



# SUSTAINABLE DEVELOPMENT

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04

## Sustainability & Innovation Leadership

**“Advancing Sustainability as an Integrated Engineering Responsibility.”**

# DHOFAR UNIVERSITY HOSTS URBAN OCTOBER 2024 EMPOWERING YOUTH SUSTAINABLE CITIES

OCTOBER, 2024



**“Youth are not participants in urban planning—they are its future leaders.”**

Dhofar University’s College of Engineering recently hosted "Urban October 2024" to strengthen community partnerships with government, private sector, and educational institutions, focusing on the theme “Youth at the Heart of Urban Planning.” Collaborating with the Ministry of Housing and Urban Planning's Dhofar branch, the event aimed to empower youth and integrate them into urban planning initiatives.

The event drew wide participation from Dhofar’s experts and youth, creating a vibrant, community-centered experience. Activities included field visits to major urban projects, showcasing modern advancements in urban planning.

Visual presentations by industry professionals and students fostered knowledge exchange among academics, students, and the local community.

Key discussions highlighted future urban development with a focus on preserving Omani architectural heritage. An architectural art exhibition celebrated the blend of traditional and contemporary Omani designs. An urban tour of sites like “Return to the Past” and “Al-Shorouq District” further emphasized the role of heritage in upcoming projects.

Supported by Dr. Issam Bahdoor, Dean of Engineering, and led by Dr. Lamiaa Mostafa, this initiative underscores Dhofar University’s commitment to youth empowerment and sustainable urban development aligned with Oman’s Vision 2040.

“Future Cities, Youth Driven”

# Urban October 2024



وزارة الإسكان والتخطيط العمراني  
Ministry of Housing and Urban Planning

Sultanate of Oman سلطنة عُمان



Collaborating with the Ministry of Housing and Urban Planning - Dhofar



# COLLEGE OF ENGINEERING LAUNCHES RESEARCH COMPETITION FOR SUSTAINABILITY AND INNOVATION

FEBRUARY 2025

Dhofar University's College of Engineering recently organized the "REWAA DHOFAR" research poster competition under the theme "Sustainable Development in Oman and How to Enhance It within the Community." The event reflected the University's strong commitment to promoting scientific research, innovation, and community engagement.

Held under the patronage of Dr. Issam Bahdoor, Dean of the College, the competition was organized by Dr. Lamiaa Mostafa from the Department of Architecture.



Open to undergraduate and graduate engineering students as well as professionals, the competition encouraged participants to present innovative ideas addressing environmental and societal challenges in Oman. A panel led by Dr. Mahad Shamas, with Prof. Mazhar UL-Islam, Dr. Abbas Hassan, and Eng. Abdulrahman Al Amri,

evaluated the entries. Prof. Amer bin Ali Al-Rawas presented the awards, praising the competition's role in inspiring future leaders and strengthening research culture and long-term academic collaboration in Oman.

the College of Engineering at Dhofar University organized an interactive educational workshop for school students in collaboration with the Directorate General of Education in Dhofar Governorate. Held as part of the "REWAA DHOFAR" cultural initiative at the Sultan Qaboos Complex for Culture and Entertainment in Salah, the workshop was titled "Sustainable Development and Green Building: Visions for Oman." The event was led by



## COLLEGE OF ENGINEERING PROMOTES SUSTAINABILITY AWARENESS AMONG SCHOOL STUDENTS

FEBRUARY 25, 2025

Dr. Issam Bahdoor, Dean of the College of Engineering, and coordinated by Dr. Lamiaa Mostafa from the Department of Architectural Engineering. It brought together students from Al-Murooj School and Manba'a Al-Hikma School, with sessions delivered by a team of engineering students.

Through interactive presentations and practical activities, participants explored the principles of sustainability and the importance of green building in shaping Oman's future. The initiative reflects Dhofar University's commitment to community engagement, youth empowerment, and preparing future generations to support sustainable development.



# COLLEGE OF ENGINEERING DRIVES A SUSTAINABLE AND SMART SOCIETY INITIATIVE

APRIL 19, 2025

In support of Oman Vision 2040, Dhofar Governorate’s Municipal Council organized the event “Towards a Sustainable and Smart Society” on April 19, 2025, at the Sultan Qaboos Youth Complex in Salah. The gathering brought together academics, civic leaders, and public and private sector



representatives to launch three community initiatives focused on sustainability, health awareness, and artificial intelligence. Dhofar University’s College of Engineering played a key role in the event. Dr. Lamiaa Mostafa Abd-Rabo from the Department of Architectural Engineering participated as a featured speaker in the session

“Our Future with Artificial Intelligence,” where she highlighted AI’s role in improving institutional performance and supporting smart societies. The initiative also included workshops, virtual participation, and an awareness exhibition on health, education, and smart technologies.

## COLLEGE OF ENGINEERING STUDENT SHINES AT 2024 SUSTAINABILITY WEEK

NOVEMBER 11 -12, 2024



Rahma Mohammed Iqbal, an Architectural Engineering student at Dhofar University, participated in the 2024 Sustainability Week Exhibition, organized by the College of Commerce and Business Administration on November 11–12. Her project, “A Bio-Factory Using Coconut Shells for Sustainable Food Production,”

presented an innovative response to agricultural challenges in war-affected areas under the supervision of Dr. Fatemeh Khozaei. The project used coconut shells, an abundant natural resource in Oman, as biodegradable containers for growing seedlings and crops. These containers help protect plants from contaminated soil, offering an eco-friendly and practical solution for food production in conflict zones.

Rahma’s work also highlighted the harmful effects of war on agriculture, including soil pollution and declining crop yields. Her participation reflected creativity, environmental awareness, and social responsibility, while also demonstrating Dhofar University’s commitment to fostering student innovation, sustainability-focused research, and practical solutions to global challenges.

SUSTAINABILITY & INNOVATION

UPE





05

## Research Excellence & Student Achievements

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**“Transforming  
Research into  
Solutions with  
Tangible Societal  
Value.”**

# CHEMICAL ENGINEERING STUDENT FROM DHOFAR UNIVERSITY WINS GLOBAL COMPETITION

2024 - 2025



**“From research excellence to global scientific leadership.”**

As part of the 2024 IAESTE (International Association for the Exchange of Students for Technical Experience) Program, Musallam bin Hamed bin Mahad Tabook, a Chemical Engineering student from Dhofar University’s College of Engineering, achieved a remarkable accomplishment by securing first place among 80 participants at the Manipal Academy of Higher Education in India. His work was also recognized as the best scientific paper in the Chemistry Department, reflecting both his academic excellence and research capability.

Musallam’s research focuses on the development of fluorescent dyes and their applications in important fields such as sensors, anti-counterfeiting technologies, and latent fingerprint detection.

Through this research, he developed an innovative material capable of accelerating the detection of fingerprints on different surfaces, representing a significant contribution to applied chemistry and forensic science.

This achievement highlights the growing research potential of Dhofar University students and the University’s commitment to encouraging innovation, scientific excellence, and international academic engagement. The research is expected to be published in a Scopus-indexed journal, further strengthening the academic value of this accomplishment and bringing international visibility to the student’s work. The College of Engineering proudly celebrates Musallam’s success and commends his dedication, hard work, and scientific ambition. The University also acknowledges the important role of the International Cooperation Office (ICO) in facilitating this opportunity and supporting students in gaining valuable global academic experience. This distinction stands as another example of Dhofar University’s ongoing efforts to empower students and broaden their academic and professional horizons.



# COLLEGE OF ENGINEERING STUDENTS LEAD NATIONAL RESEARCH IN RESTORATIVE ARCHITECTURE

2024 - 2025

Three undergraduate students from Dhofar University’s Department of Architectural Engineering—Biah Asif, Wadeemh Fatek Al-Sakkaff, and Rahma Mohammed Iqbal—won second place in the Engineering Category at the 4th National Research Competition (DURC 2025). Their research, titled “Healing and Restorative Architecture: Analyzing the Perceived Restorativeness of the Koofan Traditional House in Taqa, Oman,” was supervised by Dr. Fatemeh Khozaei.

The study examined how biophilic elements in Oman’s traditional architecture can support healing and well-being. Focusing on the Koofan Traditional House in Taqa, it highlighted the value of natural forms and cultural design in creating restorative spaces.



This achievement reflects the students’ academic excellence and the College of Engineering’s commitment to research, innovation, and preserving architectural heritage through sustainable design.



STUDENT ACHIEVEMENTS

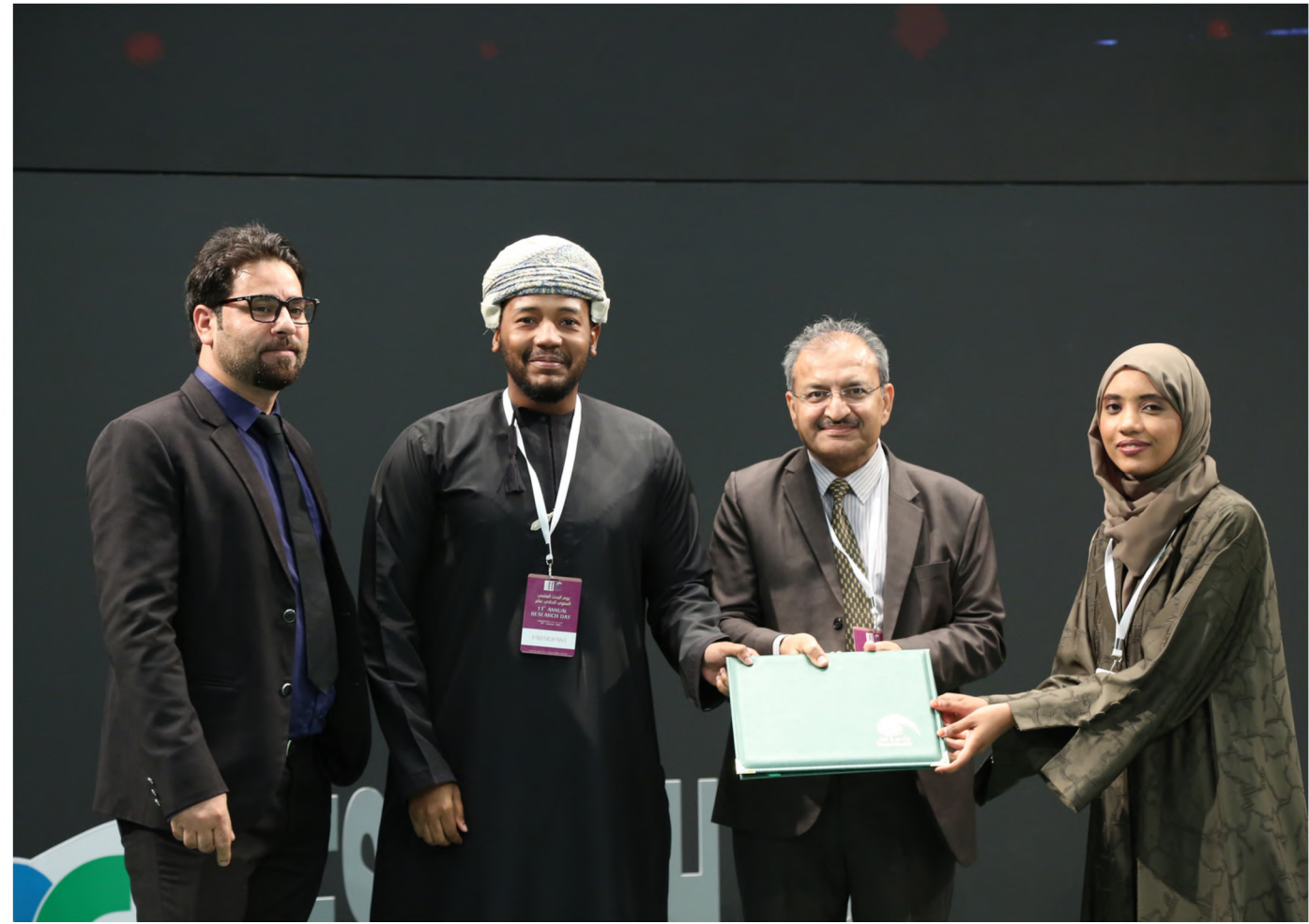
# COLLEGE OF ENGINEERING STUDENTS WIN NATIONAL RESEARCH COMPETITION FOR ENERGY INNOVATION

FEBRUARY 20, 2025

The fourth edition of the National Research Competition was held as part of the 11th Annual Research Day at Dhofar University, celebrating excellence and innovation in scientific research.

Student Moamin bin Said Al-Amri and student Rahma bint Ahmed Al-Naamania from the College of Engineering, under the supervision of Dr. Gowhar Ahmed Naikoo from the College of Arts and Applied Sciences, secured first place in the Applied Sciences category. Their research paper presented a groundbreaking discovery of a substance extracted from frankincense that offers a promising solution to energy challenges in Oman. The innovative research received high praise from the judging panel for its potential to enhance sustainability and support national energy efforts. This achievement highlights the creativity of Omani youth and their capability to provide innovative solutions to contemporary challenges.

The National Research Competition is a vital platform for supporting scientific research and encouraging students to contribute to sustainable development. Dhofar University reaffirmed its commitment to nurturing young researchers by providing an academic environment that fosters creativity and innovation.



A research paper by Dhofar University engineering student Rawan Anwar Al-Waer, titled “Sustainable Dwelling Design Principles in Libya: Strategies for Eco-Friendly Architecture,” was accepted at the Libyan International Conference for Applied Science and Engineering (LICASE 2), held in Tripoli on October 29–30, 2024. The conference serves as an international platform for researchers to exchange knowledge and advance sustainable solutions in science and engineering. Rawan’s study explored sustainable housing design in Libya, presenting eco-friendly architectural strategies that respond to environmental challenges. Her paper received strong praise from the conference reviewers for its originality and academic value, leading to its acceptance for presentation and nomination for publication in a special issue of the International Journal of Science and Technology. In recognition of this achievement, the conference fully covered her participation expenses. Supervised by Dr. Lamiaa Mostafa - Department of Architectural Engineering,



## STUDENT RESEARCH SHOWCASES SUSTAINABLE ARCHITECTURE INTERNATIONALLY

OCTOBER 29-30, 2024

this accomplishment reflects the University’s strong support for student research and its commitment to advancing sustainability in architecture and engineering on an international level.



# COLLEGE OF ENGINEERING SHINES AT INTERNATIONAL CONFERENCE IN ITALY

OCTOBER 22 TO 24, 2024

In line with Dhofar University's commitment to encouraging student engagement in research and fostering sustainable architectural practices in Oman, the College of Engineering has achieved a notable presence on the international stage. Engineering student

was accepted for presentation at the International Conference on Urban Planning & Architectural Design for Sustainable Development, held at the University of Florence in Italy from October 22 to 24, 2024.



This prestigious conference brought together global researchers to exchange ideas and innovations in urban planning and architecture, providing an essential platform for discussing sustainable solutions to contemporary challenges. The review panel praised Al Mahsli's paper for its originality and academic contribution, leading to its inclusion in the conference sessions and future publication within a Scopus/Springer scientific series.

Supervised by Dr. Lamiaa Mostafa, an esteemed lecturer in the Department of Architectural Engineering, the paper reflects Dhofar University's dedication to academic excellence and innovation. This accomplishment underscores the university's role in advancing sustainable engineering aligned with Oman's Vision 2040 goals and strengthens its reputation within international scientific circles.



**“Research excellence shaping sustainable urban futures globally.”**

Al Shamukh Al Mahsli's research paper, titled "Urban Design Principles for Sustainable and Well-Being Compounds in the Sultanate of Oman,"



RESEARCH & STUDENT ACHIEVEMENTS

# ENGINEERING STUDENTS SHOWCASE INNOVATION AT INJAZ OMAN EXHIBITION

MARCH 13 TO 15, 2025

The student company “Manara” from Dhofar University’s College of Engineering, representing the Entrepreneurship Center, participated in the Oman Injaz Exhibition for Student Companies, held in Muscat from March 13 to 15, 2025, as part of the 2025 national student company competition.

Founded by six students from different engineering disciplines, Manara is an innovative artificial intelligence platform designed to support small and medium-sized enterprises in Oman.



It helps evaluate business ideas, assess feasibility, and ensure compliance with legislation through reliable data and advanced analytics. Notably, Manara was the only student company from Dhofar University to qualify for the exhibition among seven participating student companies,

reflecting its excellence in innovation and entrepreneurship. The exhibition also strengthened youth skills in leadership, creativity, and readiness for the job market.

Four students from the Department of Chemical Engineering at Dhofar University’s College of Engineering participated in the GPCA Youth Forum, held from December 2–5, 2024, at the Oman Convention & Exhibition Center in Muscat. Sponsored by leading industry organizations such as SABIC and OQ, the forum brought together students, young professionals, and industry leaders to discuss major developments in the petrochemical and chemical sectors.



## COLLEG OF ENGINEERING STUDENTS ENGAGE IN GPCA YOUTH FORUM 2024

DECEMBER 2-5, 2024

The event covered important topics including industrial processes, material applications, and the role of artificial intelligence in improving production efficiency. Students also attended sessions delivered by distinguished speakers, including Dr. Mohamed Hamed Al-Rumhy and Dr. Abdulwahab Al-Sadoun.

In addition to technical sessions, students received valuable career development training in CV writing, interview preparation, and presentation skills. Networking opportunities with professionals and experts further enriched the experience. The forum reflected the College’s commitment to industry engagement, practical learning, and preparing students for future careers in line with Oman Vision 2040.



**“Excellence Recognized.  
Innovation Delivered.”**



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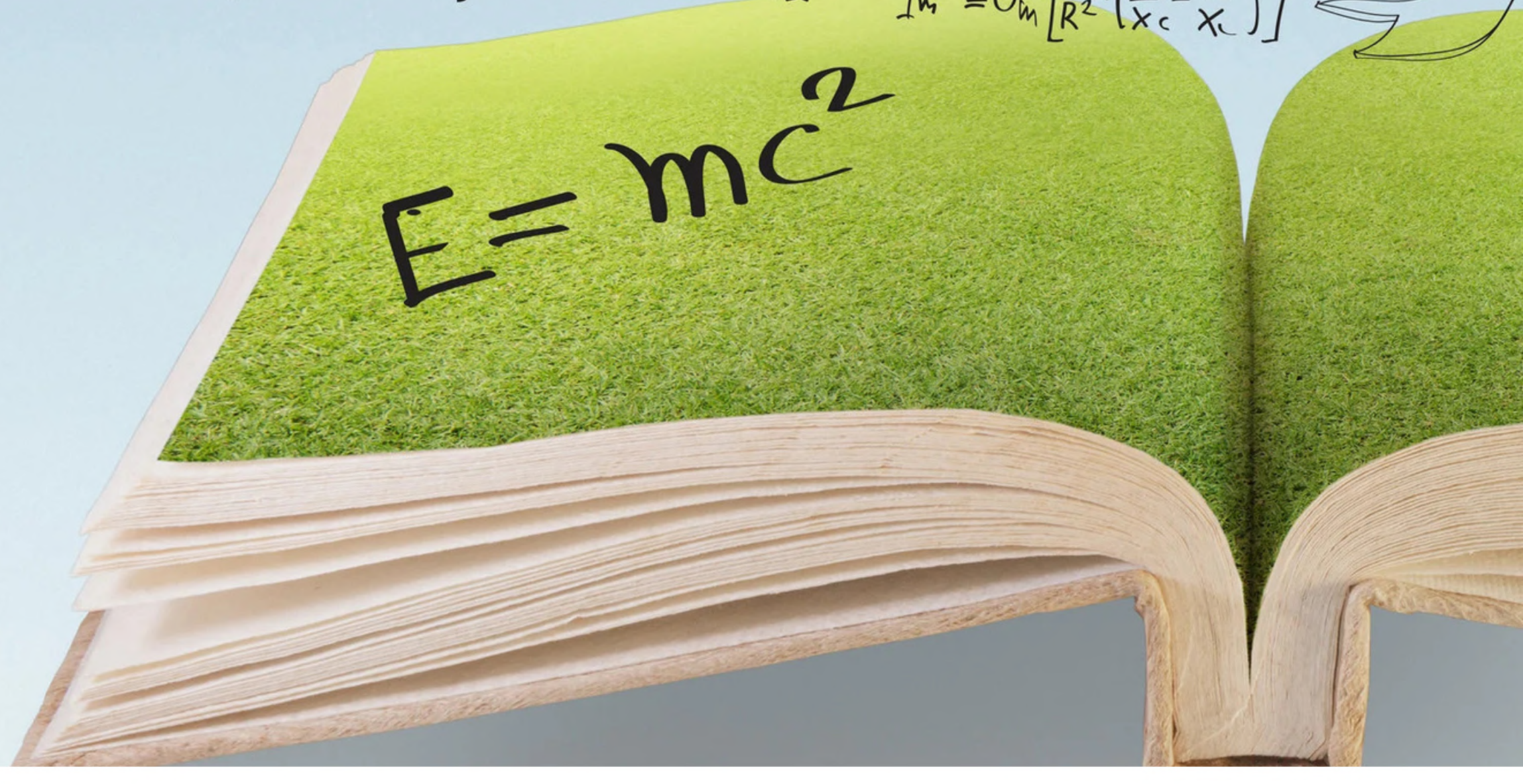
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$$I_m^2 = U_m^2 \left[ \frac{1}{R^2} + \left( \frac{1}{X_c} - \frac{1}{X_L} \right)^2 \right]$$

$$E = mc^2$$



06

## Academic Excellence & Quality Systems

**“Aligning Academic Rigor with Evolving Professional Standards.”**

# STRATEGIC PLANNING

2024 -2025



During the session, the council reviewed the academic plans and newly proposed programs, which have been designed in accordance with the international accreditation standards of the Accreditation Board for Engineering and Technology (ABET). The attendees also discussed strategies to align the academic curriculum with market requirements, including the integration of recognized professional certifications into engineering courses.

The meeting further emphasized the importance of strengthening the college's role in community engagement by supporting student-led initiatives and activating student organizations in this context. It concluded with a presentation of the college's current initiatives and future plans aimed at enhancing its societal contributions.

The meeting was chaired by the Dean of the College, Dr. Issam Al-Bahdoor, and attended by several academic department representatives along with participants from both the public and private sectors.

## COLLEGE OF ENGINEERING HOLDS ADVISORY COUNCIL MEETING FOR THE ACADEMIC YEAR 2024-2025

The Advisory Council of the College of Engineering at Dhofar University recently held its regular meeting for the 2024-2025 academic year. The meeting focused on several key areas related to the development of academic programs and enhancing their alignment with labor market demands.





**Meeting Agenda:**

1. Welcoming and presenting the Council objectives.
2. OAAQA Institutional Standards Assessment (ISA), PSA, and ABET.
3. Updates on the Programs Offered (BSc + MSc) (Updated + New)
4. DU-ZIT-Qorelao 5G Innovation Lab (Overview and Visit).
5. UNESCO Chair for Sustainable Development for Healthy Employment.
6. College Community Engagement Activities.
7. Any Other Business.

**“Shaping Minds.  
Elevating Standards.”**

# COLLEGE OF ENGINEERING STRENGTHENS EDUCATION QUALITY THROUGH OQF WORKSHOP

OCTOBER 9, 2024

The College of Engineering at Dhofar University organized a specialized workshop on developing course learning outcomes in alignment with the Oman Qualifications Framework (OQF). The workshop aimed to strengthen educational quality and ensure that program outcomes meet the requirements for inclusion in the national framework.

The session focused on formulating assessment criteria, selecting suitable evaluation methods, and linking these with program outcomes and graduate attributes.



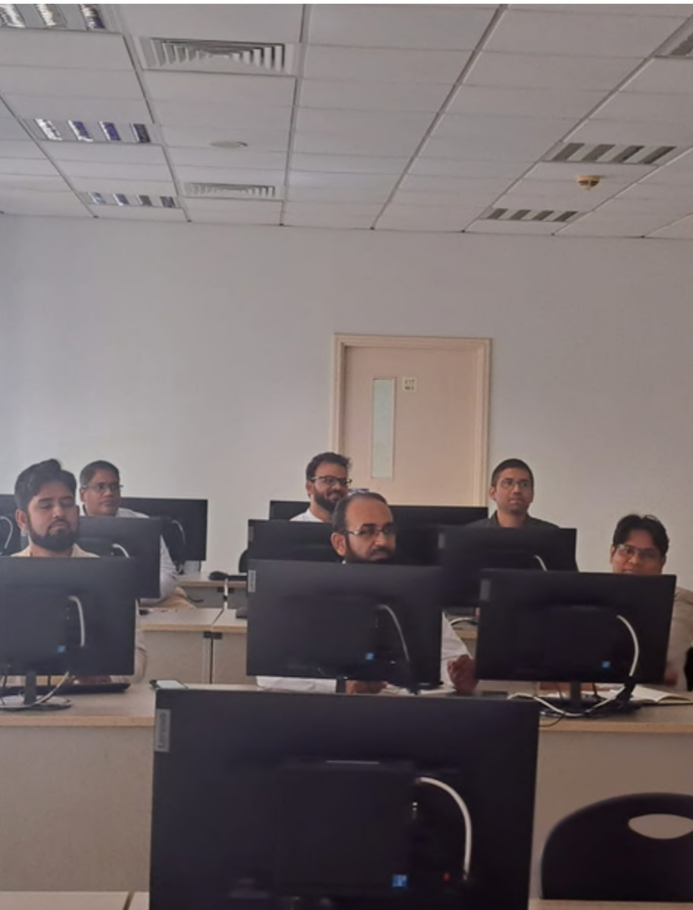
Participants also examined integrated assessment strategies designed to support the achievement of effective learning goals.

The workshop was led by Dr. Issam Bahdoor, Dean of the College of Engineering, and Dr. El-Manaa Barhoumi, Assistant Dean, who shared practical insights on enhancing learning

outcomes to improve student experience and strengthen academic and professional development.

This initiative reflects the College's continued commitment to academic excellence and quality assurance.

Dhofar University's College of Engineering organized an interactive workshop for faculty members titled "Academic Advising in the College of Engineering." The session was led by Dr. Abdurrahman Al-Qawasmi, Coordinator of the Quality Assurance Committee, and focused on the vital role of academic advising in improving the student experience. During the workshop, Dr. Al-Qawasmi explained how effective advising helps students understand their roles,



## COLLEGE OF ENGINEERING STRENGTHENS ACADEMIC ADVISING TO ENHANCE STUDENT EXPERIENCE

OCTOBER 24, 2024

make informed academic decisions, and align their studies with future career goals. He also emphasized the importance of aligning advising practices with the standards of the Oman Academic Accreditation Authority and Dhofar University's internal policies to ensure high-quality educational support.

The workshop introduced faculty to practical advising tools and resources, including e-advising platforms used to monitor student progress and generate reports. It also featured open discussion and exchange of best practices among participants. The event reflected the College's commitment to strengthening academic support systems and enhancing students' academic and professional development.



# COLLEGE OF ENGINEERING HOSTS ACADEMIC PROGRAM DEVELOPMENT WORKSHOP

NOVEMBER 25, 2024

The College of Engineering at Dhofar University organized a specialized workshop on the policy for developing and reviewing academic programs. The session aimed to strengthen faculty understanding of the policy framework and its implementation, supporting continuous

improvement in academic quality and alignment with accreditation requirements.

The workshop was led by Dr. Issam Bahdoor, Dean of the College, and Dr. El-Manaa Barhoumi, Assistant Dean.

It featured a detailed presentation on the policy's objectives, procedures, and international best practices in academic program development and review. Faculty members engaged actively in the discussions, sharing practical ideas for applying the policy effectively.

This initiative reflects the College's commitment to academic development, quality assurance, and delivering strong programs that prepare qualified graduates to support sustainable development.



As part of its commitment to educational quality and the promotion of academic integrity, the College of Engineering at Dhofar University organized a specialized workshop titled "Academic Integrity: Commitment and Responsibility" on November 25, 2024. The workshop aimed to emphasize the importance of academic integrity as a foundation for a trustworthy learning environment and strong academic performance. The session was led by:



## COLLEGE OF ENGINEERING PROMOTES ACADEMIC INTEGRITY THROUGH SPECIALIZED WORKSHOP

NOVEMBER 25, 2024

Dr. Issam Bahdoor, Dean of the College, and Dr. Paul Okonkwo, who provided a comprehensive overview of academic integrity and its key dimensions. The discussion addressed major challenges facing academic institutions, including plagiarism, and misuse of academic resources.

While also presenting practical strategies to address these issues. Faculty members actively participated in the workshop, enriching the discussion with valuable suggestions to strengthen awareness among students and improve institutional policies. The workshop also highlighted the role of technology, including plagiarism detection systems and e-learning platforms, in supporting compliance with academic standards.

# DHOFAR UNIVERSITY HOSTS WORKSHOP ON CONFERENCE GRANTS AND RESEARCH INCENTIVES POLICIES

OCTOBER 23, 2024

The College of Engineering at Dhofar University organized an insightful workshop titled “DU Policies on Conference Grant and Research Incentives.” The session was presented by Dr. Paul Okonkwo and Dr. Fatemeh Khozaei, both recognized for their strong commitment to advancing research at the University.

The workshop provided faculty members with a clear overview of the University’s policies and procedures related to conference grants and research incentives. The speakers shared practical guidance on how to benefit from available support mechanisms, maximize research opportunities, and strengthen the quality of academic contributions.



The session attracted active participation from faculty members interested in research development and funding opportunities. This initiative reflects Dhofar University’s ongoing commitment to strengthening its research culture and supporting faculty in achieving academic excellence .

# COLLEGE OF ENGINEERING EMPOWERS FACULTY THROUGH AFAR POLICIES WORKSHOP

NOVEMBER 27, 2024



The session was led by Dr. Shariq Khan, Head of the Chemical Engineering Department. The workshop provided faculty members with a clear overview of the annual evaluation form, its policies, and best practices for documenting achievements in line with institutional quality standards. Through detailed explanations, participants gained practical guidance on effectively recording their accomplishments and aligning them with College and University goals.

The College of Engineering at Dhofar University organized a workshop on AFAR policies and guidelines as part of its commitment to academic excellence and institutional quality.

Faculty members responded positively to the session, noting its clarity and usefulness in improving their understanding of the evaluation process. The workshop reflects Dhofar University’s dedication to continuous professional development and quality enhancement.

# COLLEGE OF ENGINEERING ORGANIZES A WORKSHOP ON STRATEGIC LEADERSHIP AND CHANGE MANAGEMENT

2024 - 2025

The College of Engineering, in collaboration with the Center of Training and Development of Human Resources, organized a workshop titled “Leadership, Strategic Planning, and Change Management,” targeting department heads and staff members. The session was delivered by Dr. Ahmed Al-Lawati, a certified executive leadership trainer.

The workshop addressed key topics including leadership concepts in dynamic work environments, strategic and operational planning, and performance monitoring through smart key performance indicators (KPIs). It also highlighted effective strategies for leading institutional change and enhancing organizational development. Participants engaged in productive discussions on improving collaboration across departments and sharing expertise to strengthen institutional performance.



This initiative supports the College’s efforts to enhance administrative capacity and prepare for program accreditation by ABET, aligning with international standards and academic quality benchmarks.



ACADEMIC & QUALITY



07

## Technical Workshops & Professional Development

**“Bridging Theory and Practice Through Applied Engineering Competence.”**

# COLLEGE OF ENGINEERING CONCLUDES MULTISIM HANDS-ON WORKSHOP

OCTOBER 24, 2024

Dhofar University recently hosted a successful workshop titled “MultiSIM Hands-On Training for Electric Circuits and Basic Electronics” on October 24, 2024, organized by the Department of Electrical and Computer Engineering. Held in the CE-001C Lab, this workshop attracted numerous students eager to gain practical skills in circuit simulation and electronics.

Led by Dr. Qamar Ul Islam, Ph.D., FHEA, the workshop focused on introducing students to MultiSIM software, widely used for designing and analyzing electric circuits. The training provided students with an opportunity to bridge the gap between theory and practice, using MultiSIM to simulate and troubleshoot electronic circuits. Key aspects covered included an introduction to MultiSIM, hands-on circuit design, and troubleshooting techniques to enhance problem-solving skills.

Following the success of this workshop, Dr. Qamar Ul Islam plans to continue with additional workshops focused on robotics programming and related hands-on topics to further equip students with industry-relevant skills.



As part of the College of Engineering’s ongoing commitment to academic excellence and innovation, the Department of Electrical and Electronics Engineering, in collaboration with the University’s IEEE branch, organized a specialized workshop on Digital and Analog Systems on November 28, 2024.

The workshop was led by Dr. Maarooof Siddiqui, Assistant Professor in the department, who shared valuable academic and practical expertise with participants. The session explored fundamental concepts, current developments, and practical applications of digital and analog systems, giving attendees a stronger understanding of the technologies that drive modern electronics and communication systems. Participants praised the workshop for its rich content and interactive delivery. Dr. Siddiqui combined theoretical explanation with practical demonstrations, helping students connect classroom knowledge with real-world engineering applications.



## COLLEGE OF ENGINEERING HOSTS WORKSHOP ON DIGITAL AND ANALOG SYSTEMS

NOVEMBER 28, 2024

This initiative reflects the department’s dedication to equipping students with essential technical and analytical skills while reinforcing the College of Engineering’s mission to promote innovation, creativity, and academic excellence in alignment with Dhofar University’s strategic vision.



# COLLEGE OF ENGINEERING HOSTS WORKSHOP TO ADVANCE STUDENTS' RESEARCH EXCELLENCE

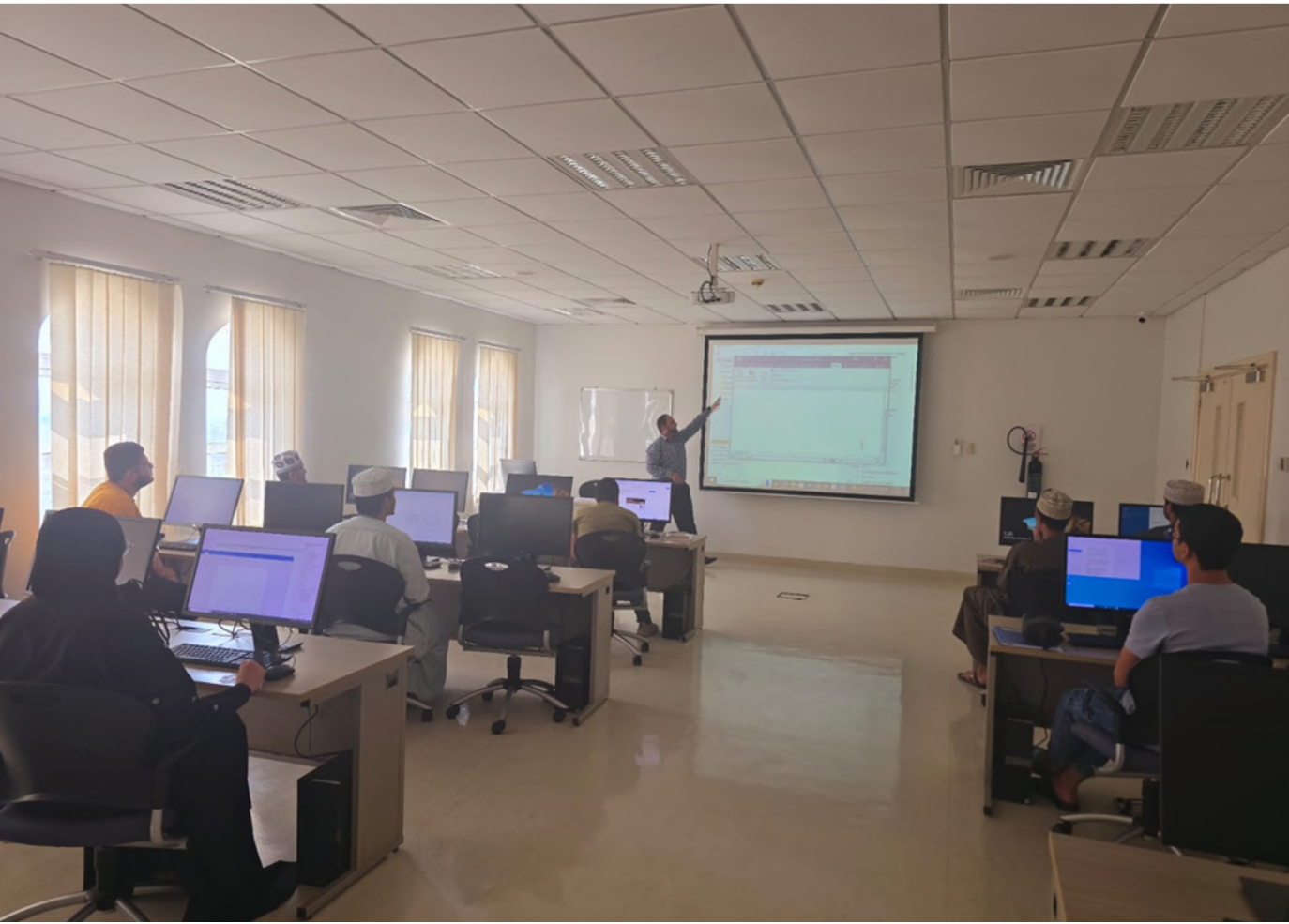
NOVEMBER 27, 2024

The College of Engineering at Dhofar University organized an engaging workshop for senior-year students and those enrolled in practical training programs. The session was led by Dr. Sohaib Tahir and focused on strengthening students' research and academic writing skills.

The workshop introduced participants to Zotero, a widely used reference management tool known for its ease of use and effectiveness in organizing sources and generating citations. Through a hands-on demonstration, Dr. Tahir guided students on how to manage references, create accurate citations, and simplify the research process.

Students responded positively to the workshop, praising its interactive style and practical value. The session helped participants improve their academic writing and research efficiency, supporting the quality of their future projects.

This initiative reflects the College's continued commitment to student empowerment, academic excellence, and practical skill development.



Participants engaged in hands-on activities involving the assembly and programming of Hexapod robots using the Arduino IDE. The workshop covered basic to advanced control techniques, enabling participants to program walking, crawling, and twisting motions, as well as integrate obstacle avoidance features.

The event fostered collaboration between students, faculty, and industry professionals, enriching both theoretical knowledge and practical competencies in robotics. Through guided exercises, participants gained valuable skills in coding, debugging, and real-time problem-solving.

This initiative reinforced Dhofar University's commitment to STEM education and innovation in line with Oman Vision 2040. By equipping participants with the tools to address emerging challenges in automation and artificial intelligence, the workshop enhanced their career readiness in robotics and advanced technologies.

# COLLEGE OF ENGINEERING HOSTS WORKSHOP ON HEXAPOD ROBOTICS PROGRAMMING

DECEMBER, 2024

The College of Engineering recently conducted an interactive workshop on robotics programming and biomimetic design, focusing on six-legged Hexapod robots. The session was led by Dr. Qamar Ul Islam, an expert in Robotics and Autonomous Systems.

TECHNICAL WORKSHOPS

# ASPEN HYSYS WORKSHOP EMPOWERS PARTICIPANTS WITH INDUSTRY-LEADING SIMULATION SKILLS

APRIL 28, 2025

The Aspen HYSYS Workshop at Dhofar University's College of Engineering concluded successfully, providing participants with valuable hands-on experience in one of the industry's leading process simulation tools. Organized by the Department of Chemical Engineering, the workshop brought together students, faculty, and

staff to explore practical applications of Aspen HYSYS in process modeling, optimization, and design.

A key highlight of the event was an engaging session delivered by Mr. Musallam Al Awaid, Head of Production



Management and Business Development at OQBi, who shared valuable industry insights and practical examples that enriched the participants' learning experience. The workshop emphasized the growing importance of simulation software in modern engineering education and practice. It also reflected the College of Engineering's

continued commitment to strengthening the connection between academic knowledge and industry needs, while equipping students with practical skills relevant to the evolving engineering sector.

The Mechanical and Mechatronics Engineering

Department at Dhofar University's College of Engineering organized a workshop titled "Practical Know-How of Instrumentation and Measurement."

The event was coordinated by Dr. Farooq Ahmed for College students and aimed to strengthen the link between theoretical knowledge and practical application.

The session was delivered by Mr. Avodai Nayagam,



## PRACTICAL KNOW-HOW OF INSTRUMENTATION AND MEASUREMENT

MAY 07, 2025

an experienced Instrumentation Engineer at Kone Elevators, who shared valuable industry-based insights into modern instrumentation systems, sensors, measurement techniques, and real engineering challenges.

The workshop featured interactive demonstrations and case-based discussions that enriched students' understanding of the subject. The event attracted enthusiastic participation from undergraduate

students, who benefited from direct engagement with an industry expert. The session concluded with a Q&A discussion, reflecting Dhofar

University's commitment to industry-relevant education and practical skill development.



# TECHNICAL WORKSHOPS



نادي الروبوتات  
ROBOTICS CLUB

STUDENT ENGAGEMENT  
& CAMPUS LIFE EXPO - حياة الجامعية -  
WELCOME!



08

## Student Engagement & Campus Life

“Empowering Students Beyond the Classroom.”

# ARCHITECTURE STUDENTS SHINE AT “BUILD YOUR HOME” EXPO WITH SUSTAINABLE DESIGNS

SEPTEMBER 2024



Guided by Dr. Lamiaa Mostafa, the students presented creative and sustainable architectural and interior design ideas that attracted strong interest from visitors. Their exhibition highlighted innovative construction and finishing materials, with a focus on sustainability, quality, and cost efficiency. The students also designed a distinctive booth representing Dhofar University’s identity and commitment to sustainable design. The event provided valuable exposure to industry professionals and emerging construction technologies, enriching students’ practical knowledge. This participation reflected Dhofar University’s dedication to preparing skilled architects who combine academic learning with real-world experience.

In September 2024, architecture students from Dhofar University showcased their work at the “Build Your Home” Expo under the patronage of H.E. Eng. Khwidem bin Mohammed bin Salem Al-Maashani.

# ENGINEERING STUDENTS SHOWCASE AI APPLICATIONS IN SUSTAINABLE ENGINEERING AT “ETHICS OF AI” EXPO

OCTOBER 14-15, 2024



Governor of Dhofar. Supervised by Dr. Lamiaa Mostafa, the students showcased innovative AI-driven solutions for sustainable design, highlighting the role of emerging technologies in advancing architecture and engineering. Their participation emphasized how artificial intelligence enhances design accuracy, site analysis, space planning, and resource efficiency. Through practical models, students demonstrated how AI can support more sustainable, cost-effective, and environmentally responsible

tudents from Dhofar University’s College of Engineering, Department of Architecture, in collaboration with the Engineering Society, participated in the “Ethics of Artificial Intelligence” Expo under the patronage of H.E. Sayyid Marwan bin Turki Al Said,

architectural solutions. This achievement reflects Dhofar University’s commitment to preparing future engineers with strong academic foundations and practical skills, while reinforcing the role of AI in driving smart and sustainable development in Oman.



# COLLEGE OF ENGINEERING HOSTS FRIENDLY FOOTBALL MATCH TO STRENGTHEN TEAM SPIRIT

NOVEMBER 27, 2024

The College of Engineering at Dhofar University organized a friendly football match that brought together faculty members and administrative staff in a lively and engaging atmosphere. The initiative aimed to strengthen team spirit, encourage collaboration, and build stronger professional relationships within the College community.

The match featured enthusiastic participation, with both teams demonstrating sportsmanship, energy, and teamwork throughout the game. Beyond recreation, the event offered a valuable opportunity for staff to connect outside the workplace and enjoy a positive social experience.



This activity reflects Dhofar University's commitment to fostering a supportive, collaborative, and motivating work environment that promotes well-being, unity, and a healthy balance between professional and social life.

# ELECTRICAL AND COMPUTER ENGINEERING WINS ENGINEERING COLLEGE FOOTBALL TITLE

NOVEMBER 10 TO 24, 2024

The College of Engineering at Dhofar University successfully concluded its Inter-Departmental Football Championship, held from November 10 to 24, 2024, in an atmosphere of excitement, teamwork, and sportsmanship. Four departmental teams competed in a series of lively matches that strengthened student engagement and positive competition. The Department of Electrical and Computer Engineering won the championship title after an exciting final against the Department of Chemical Engineering, which secured second place. The closing match was attended by Dr. Issam Bahdoor, Dean of the College, Dr. El Manaa Barhoumi, Assistant Dean, Dr. Paul Okonkwo,



tournament organizer, and Mr. Salem Kashoob, Head of Sports Activities, along with faculty members. The tournament reflected the College's commitment to student activities that promote unity, institutional belonging, teamwork, and fair competition.



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### DHOFAR UNIVERSITY RESEARCH

### ECONOMY

- 990-01: Coastal Agriculture for Kalaab
- 996-02: Petrochemical Optimization
- 996-03: Sustainable Change in Omani
- 990-04: Public Health & Community



09

# Student Development & Orientation

**“Starting Strong.  
Growing with  
Purpose.”**

# "ORIENTATION DAY: A NEW CHAPTER BEGINS AT DHOFAR UNIVERSITY'S COLLEGE OF ENGINEERING"

SEPTEMBER 23, 2025

The College of Engineering organized an orientation day for new students across its academic programs. Dr. Issam Bahdoor, Dean of the College, welcomed students and introduced the College's vision, mission, and values, while highlighting the qualities needed for future academic and professional success.

Dr. Al-Manaa Brahoumi, Assistant Dean, presented the College's modern facilities, including advanced laboratories, the library, the guidance center, and the Center for Continuing Education.



He also stressed the importance of following the academic plan, maintaining academic integrity, understanding student rights, and benefiting from academic advising. In addition, Dr. Wissam Bait Al-Mal, Deputy Dean of Admissions and Registration, together with faculty members and a student guidance center representative,

addressed students' questions. The event reflected Dhofar University's commitment to supporting students and empowering them throughout their academic journey.

The College of Engineering at Dhofar University places strong emphasis on maintaining a safe and effective laboratory environment for all students. A safety awareness session, presented by Dr. Mohammad Maroof Siddiqui and Eng. Abdul Aziz Ali Al Shaashai, outlined the essential health and safety guidelines that students must follow during laboratory work. The session highlighted key general rules,



## ELECTRICAL AND COMPUTER ENGINEERING DEPARTMENT REPORT ON LABORATORY HEALTH AND SAFETY

SEPTEMBER 29, 2024

including carefully following instructions, keeping workspaces clean and organized, avoiding food and drinks in laboratories, and switching off mobile phones before entering. It also addressed important electrical safety measures such as inspecting equipment before use,

avoiding overloaded power outlets, ensuring proper grounding, and keeping liquids away from electrical sources. In addition, students were introduced to emergency procedures, including evacuation routes, fire extinguisher locations, and first aid reporting protocols. For experiments involving specific risks, additional precautions are provided. These guidelines reflect the College's commitment to ensuring student safety while supporting effective hands-on learning.



# ORIENTATION DAY – DEPARTMENT OF ELECTRICAL AND COMPUTER ENGINEERING

SEPTEMBER 25, 2024

The Department of Electrical and Computer Engineering at Dhofar University organized an Orientation Day for new students, led by Dr. Prajoona Valsalan, Chair of the department. The session introduced students to the University’s mission, vision, values, academic structure, and learning resources, giving them a clear

Students were also introduced to the plans of study for the Diploma in ECE, B.Sc. in Electrical and Electronics Engineering, and B.Sc. in Computer and Communication Engineering. In addition, the session covered graduation requirements, assessment policies, academic integrity, advising, and laboratory facilities.

understanding of their academic journey. The orientation highlighted key graduate attributes such as critical thinking, teamwork, communication, ethical responsibility, and adaptability to emerging technologies.



The event concluded with an interactive Q&A, reflecting the department’s commitment to preparing students for academic success and future professional growth.

As part of Dhofar University’s commitment to supporting new students, the College of Engineering organized an orientation workshop for freshman students in Architecture and Interior Architecture, led by Dr. Abbas Hassan. The session aimed to provide essential guidance and help students begin their academic journey with confidence. During the workshop, students were introduced to the College’s administrative structure, including the roles of the Dean,



## ORIENTATION WORKSHOP PREPARES ARCHITECTURE STUDENTS FOR ACADEMIC SUCCESS

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Assistant Dean, and heads of departments. They also received an overview of the College’s academic departments, available bachelor’s and diploma programs, and graduation requirements. Dr. Hassan highlighted key facilities that support student learning, including lecture halls, the library,

and computer labs. The session also covered academic plans, core and elective credit requirements, prerequisite courses, and important academic policies related to performance and integrity. The workshop concluded with an interactive Q&A session that encouraged student engagement and readiness.



**DEAN OF THE COLLEGE  
OF ENGINEERING:**

**DR. ISSAM BAHDOOR**

**DESIGN BY:**

**DR. LAMIAA M. ABD-RABO**

