



DHOFAR UNIVERSITY

COLLEGE OF ENGINEERING

SPRING 2023 - 2024



كلية الهندسة

CE



UFE

"TOWARDS A SUSTAINABLE
ENGINEERING FUTURE."

— D H O F A R —
U N I V E R S I T Y

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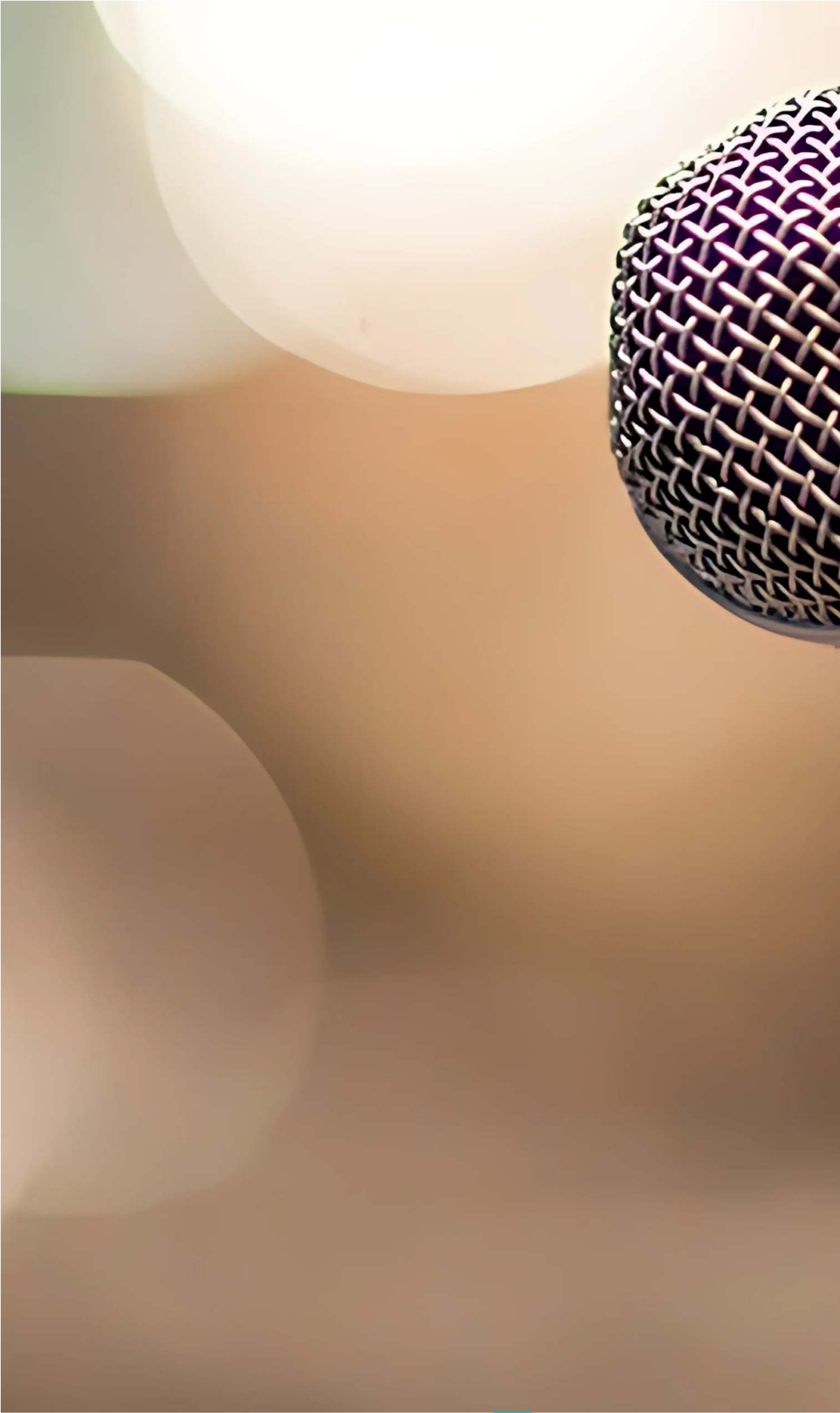
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— **SPRING**
2023 - 2024

01

Opening Address

**"Empowering Minds, Shaping
the Future: A Message of
Excellence and Inspiration from
the Dean of Engineering"**

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CE Newsletter

" Sustainable Future."

Spring 2023 - 2024

COLLEGE OF ENGINEERING: PRESENT ACHIEVEMENTS AND FUTURE ASPIRATION



Dear Esteemed Faculty, Students, and Staff of the College of Engineering,

As we commence a new academic term, I am pleased to share the College's vision and mission, reflecting our aspirations and unwavering commitment to academic and professional excellence. Our vision is to cultivate graduates distinguished by their comprehensive knowledge, exemplary technical and interpersonal skills, and a keen awareness of the global landscape. We are dedicated to providing a stimulating educational environment that fosters academic excellence, instills responsibility, nurtures professionalism, and promotes personal growth.

Our goal is to empower our students to transform 21st-century challenges into opportunities, enhance their lives, and positively impact their communities and the world by effectively collaborating within and leading diverse teams.

Recently, we have achieved significant milestones, including establishing new partnerships with esteemed academic and industrial institutions, thereby enhancing the quality of education and research within our College.

We remain steadfast in our commitment to elevating academic and research standards and are resolute in fostering an educational environment that champions innovation and excellence.

I encourage each of you to actively engage in realizing these objectives as we collectively strive toward a sustainable engineering future.

With warm regards,
Dr. Issam Al-Bahdoor
Dean, College of Engineering





STRATEGIC PLANNING

JANUARY 24, 2024



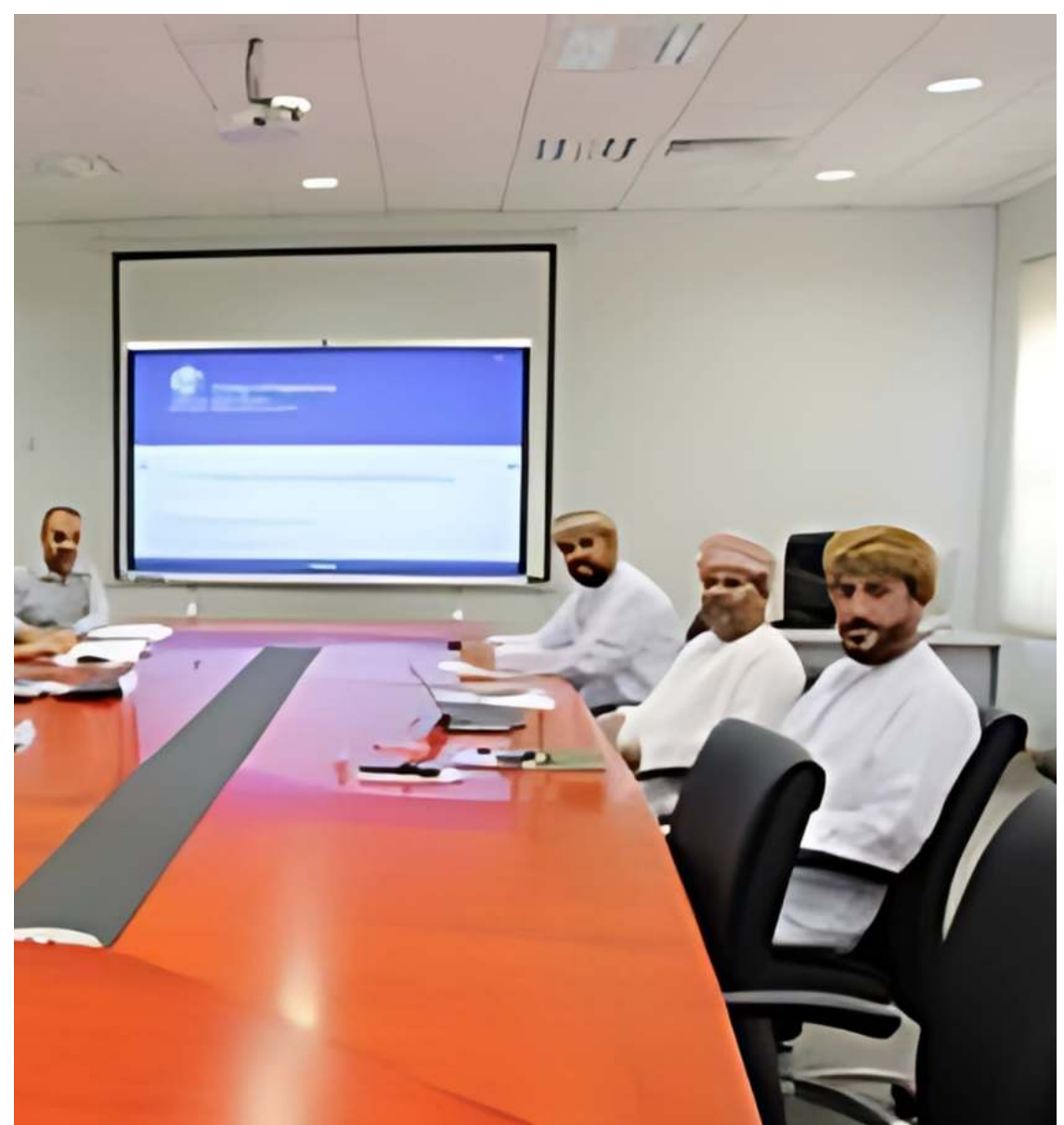
Discussions included the college's strategic plan for 2021-2026, along with new degree programs aligned with the Oman Qualification Framework (OQF) and the Accreditation Board of Engineering and Technology (ABET). A proposed Master's program in Engineering Project Management was also highlighted, reflecting the college's commitment to advancing academic opportunities.

The Council reviewed efforts to enhance graduate training through project-based learning and increased community engagement. Additionally, plans to establish an alumni association were proposed to foster continuous collaboration and empower graduates to contribute to the college's educational objectives.

The meeting, chaired by Dean Dr. Issam Al-Bahdoor, included representatives from various academic departments and public and private sectors, reinforcing the college's focus on fostering industry collaboration and academic excellence.

COLLEGE OF ENGINEERING ADVISORY COUNCIL CONVENES FOR STRATEGIC PLANNING

On January 24, the Advisory Council of the College of Engineering at Dhofar University held its first regular meeting for the academic year 2023-2024. The session focused on key strategic initiatives and future developments.







— **SPRING**
2023 - 2024

02

Memoranda of Understanding (MOU)

- **Ooredoo and ZTE Corporation.**
- **Green Building Solutions Summer University in Vienna.**
- **Omani Society of Engineers.**

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OOREDOO AND ZTE CORPORATION ESTABLISH 5G INNOVATION CENTRE FOR DHOFAR UNIVERSITY

MARCH 31, 2024



Dhofar University, in partnership with Ooredoo and ZTE, is establishing a cutting-edge 5G Innovation Center (5GIC) at its Faculty of Engineering. Officially named the Dhofar University – Ooredoo – ZTE 5G Innovation Lab Project, this initiative aims to revolutionize education and research by integrating advanced 5G and Internet of Things (IoT) technologies, supporting Oman’s digital transformation.

“Dhofar University launches 5G Innovation Center.”

The 5GIC will serve as a national hub for education, training, and innovation, empowering students, faculty, and professionals to explore the full potential of 5G technologies. Professor Amer Al Rawas, Vice Chancellor of Dhofar University, highlighted its alignment with Oman Vision 2040, stating, “This initiative equips our graduates with the practical skills needed to contribute to national development.”

Ooredoo CEO Bassam Yousef Al Ibrahim praised the project’s impact on education, emphasizing the smart campus’s ability to enhance virtual learning through 5G’s ultra-fast connectivity. Zhang Meng, ZTE Managing Director, reaffirmed the collaboration’s commitment to driving innovation and nurturing telecommunications talent, advancing Oman’s role in global technology.





FIRST IN OMAN: COLLEGE OF ENGINEERING SIGNS MOU WITH GREEN BUILDING SOLUTIONS, VIENNA

JUNE 24, 2024




Green. Building. Solutions.

Summer University, Vienna
July 13 - August 4, 2024

First-hand ecological knowledge and engineering expertise bundled in a three-week program, taking place at the capital of energy-efficient building, Vienna. Think sustainable, take care of your future - now!

oead student housing | BOKU UNIVERSITY | TU WIEN | THE CLUB OF ROME | Dhofar University

On behalf of Dhofar University, Prof. Amer Al Rawas, the Vice Chancellor, signed an MOU with the Green Building Solutions (GBS) Summer University, organized by prestigious universities in Vienna. The Summer University is primarily conducted in collaboration with leading Austrian institutions, including the University of Natural Resources and Life Sciences Vienna, the Technical University Vienna, and the University of Vienna. More than 60 international partners support the GBS.



The program includes three weeks of intensive courses, field visits, and practical projects, offering a comprehensive blend of theoretical learning and practical application in sustainable construction. It aims to enhance student knowledge and integrate diverse scientific backgrounds, particularly in sustainability and environmental development, within the College of Engineering's Department of Architecture. Additionally, the College of Engineering will provide one distinguished student with a unique scholarship opportunity to attend the program, coordinated by Dr. Lamiaa Mostafa from the Department of Architecture Engineering.



COLLEGE OF ENGINEERING EXPLORES FUTURE COLLABORATIONS WITH OMANI SOCIETY OF ENGINEERS

FEBRUARY 19, 2024



On Monday, February 19, Dr. Issam Al-Bahdoor, Dean of the College of Engineering, welcomed Engineer Fouad Al-Kindi, Chairman of the Omani Society of Engineers (OSE), and his accompanying delegation for a strategic meeting to explore future collaboration opportunities.

Discussions focused on enhancing partnerships through joint initiatives, including organizing conferences and encouraging academic staff participation in OSE's activities and events.

“Empowering future engineers through collaboration.”

The meeting also explored facilitating the enrollment of graduate students into the Society, thereby strengthening their professional networks and access to industry expertise.

Additionally, both parties emphasized the importance of capacity building for students through continuous professional development sessions and joint workshops. These initiatives aim to provide students with hands-on experience and industry insights, preparing them to meet the evolving demands of the engineering field.

The meeting underscored a shared commitment to advancing education, fostering innovation, and supporting the professional growth of engineering students and staff alike.





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— **SPRING**
2023 - 2024

03

Research Achievements

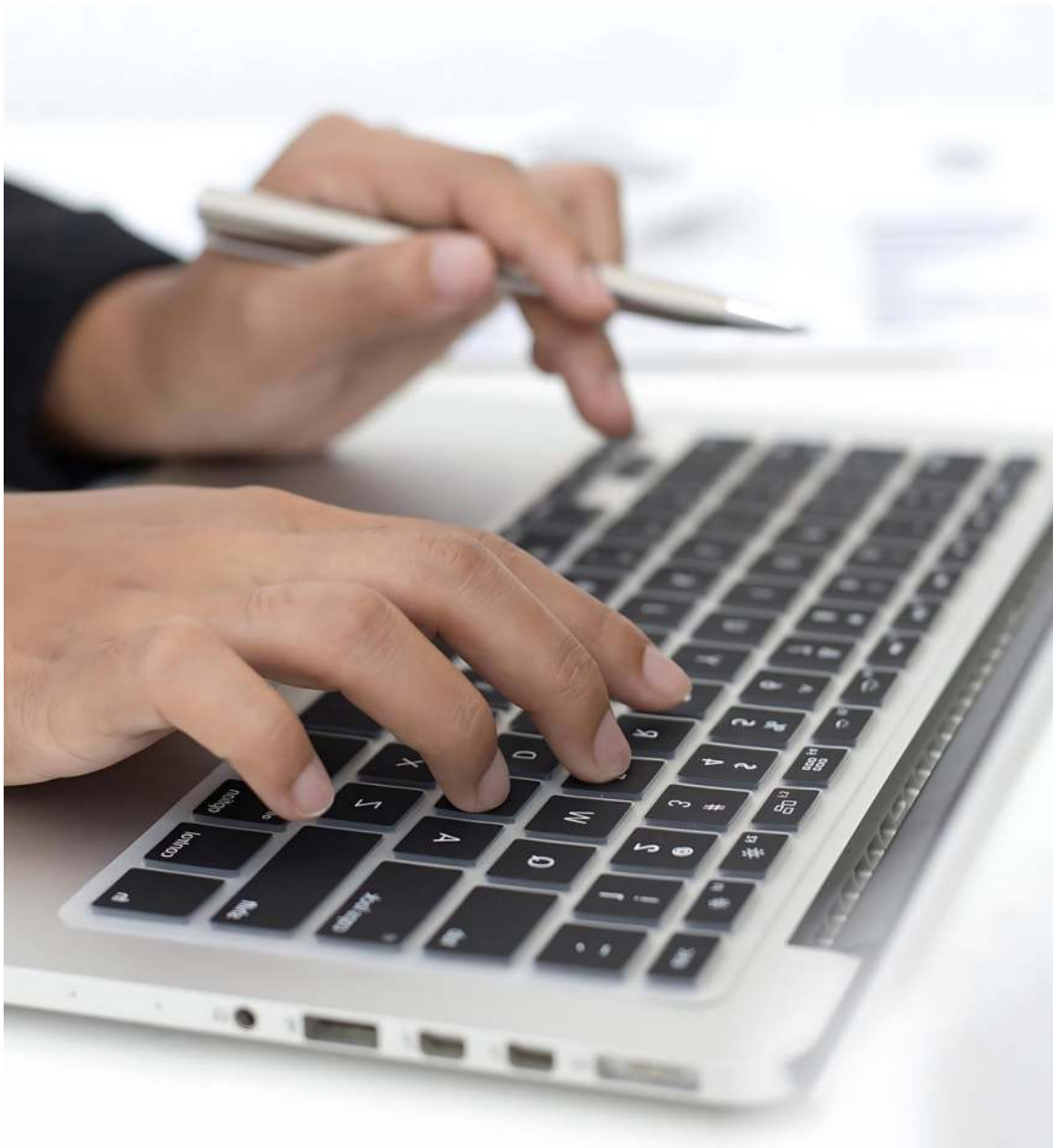
- **Research and Scholarly**

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RESEARCH AND SCHOLARLY EXCELLENCE

SPRING 2023 - 2024



133 PUBLICATIONS
AND 5 RESEARCH
GRANTS

Dedicated to achieving exceptional standards in its research endeavors, the College of Engineering has generated a cumulative total of 39 publications and obtained five research grants. Furthermore, ten academic members from the CE are ranked among the top 20 on the university's Google Scholar profile page, accumulating a total of 15085 citations.

Additionally, two scientists from the CE are among the top 2% on the Stanford list, which are Dr. Mazhar Ul Islam from the Department of Chemical Engineering, College of Engineering, who has been selected for the fourth consecutive year under the single-year impact indicator and for the first time under the career-long impact indicator. Dr. Shaukat Khan from the Department of Chemical Engineering has been selected under the single-year impact indicator for the second time.

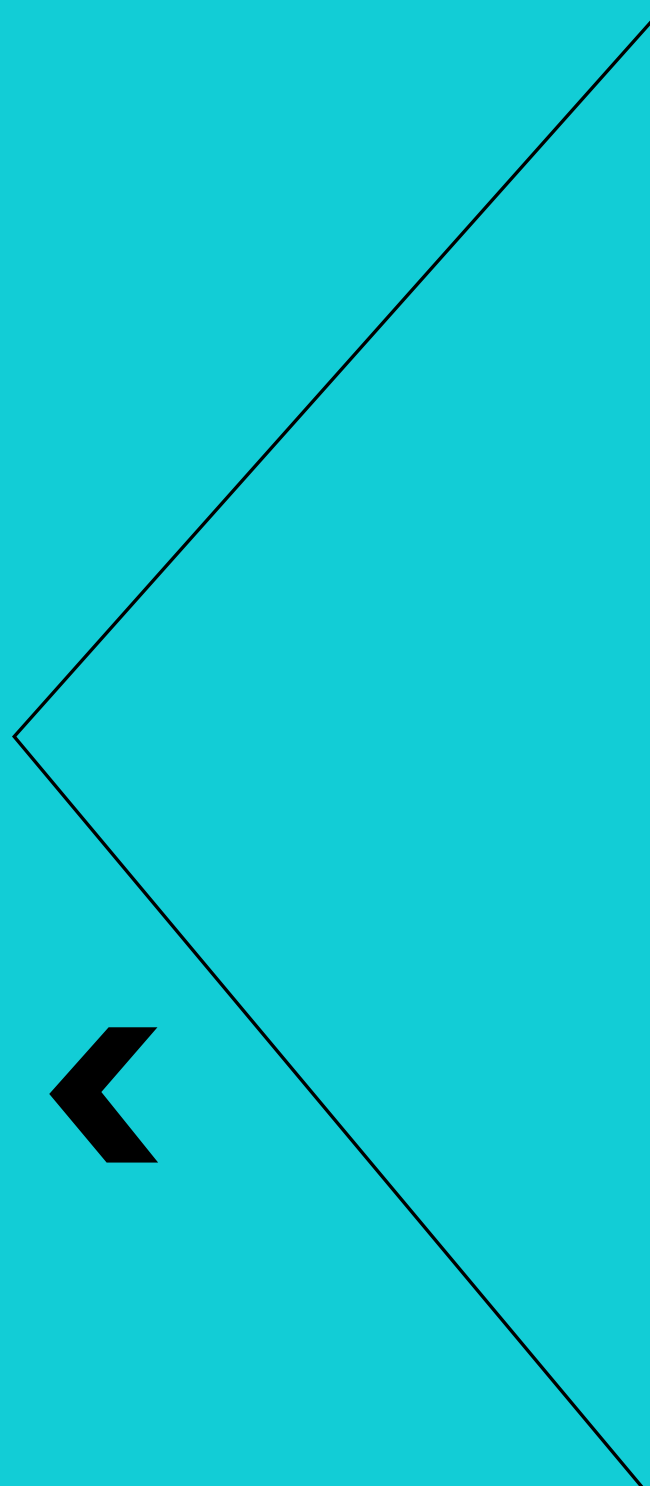


Showcasing
Research
Excellence
and Scholarly
Achievements

UFE



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— SPRING
2023 - 2024

04

Student Achievements

- CE and Dhofar Municipality Host Architectural Design Competition.
- Architecture Students Triumph UTAS.

[Read More...](#)



COMPETITIONS

APRIL 01, 2024

bus station

Name : Rawan AL-Waer

concept

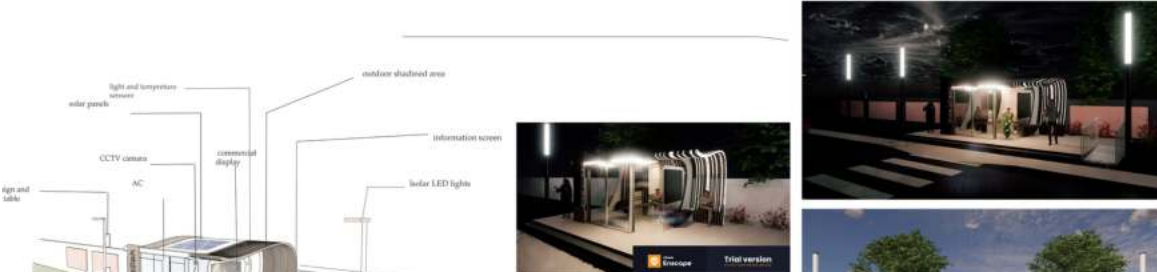
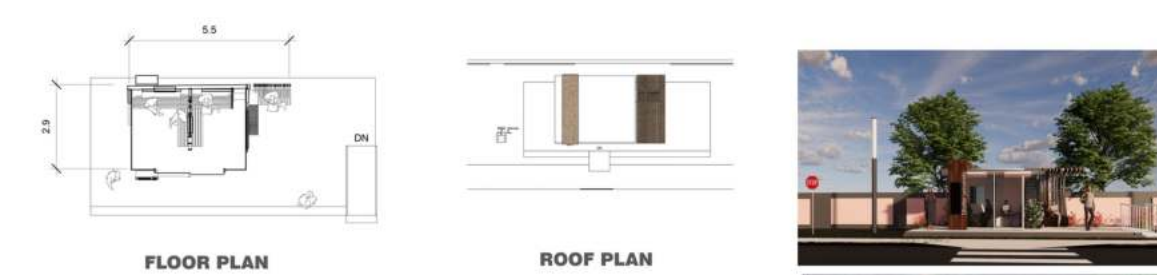
The bus station is designed to cater to the university community. Therefore, I drew inspiration from the university's logo, incorporating its curved shape into the mass design to offer a comfortable waiting environment. Taking into account Oman's hot and humid climate, the station includes air conditioning and shading techniques.

Additionally, the station is designed with a focus on gender segregation. It embraces sustainability through the integration of solar panels, energy-efficient lighting, and temperature sensors, showcasing a commitment to eco-friendly practices.

SITE ANALYSIS



design process



Under the supervision of Dr. Abbas Hassan, Head of the Department, and Dr. Lamiaa Mostafa, a lecturer in the department, several talented students showcased their creativity and innovation.

A total of 14 projects were submitted, and the municipality reviewed the designs. The competition's top three winners were:

1. Rwan Al-Waer
2. Linda Kanaan
3. Shikha Mohamed

Additionally, Abdullah Bait Othman and Emad Eldden Talha were honored with special awards for their outstanding efforts.

During a special ceremony, Dr. Issam Al-Bahdoor, Dean of the College of Engineering, honored the winners, emphasizing Dhofar University's dedication to fostering innovation and preparing future generations to meet modern challenges.

COLLEGE OF ENGINEERING HOSTS ARCHITECTURAL DESIGN COMPETITION WITH DHOFAR MUNICIPALITY

The Department of Architectural Engineering at the College of Engineering, Dhofar University, recently organized a Public Bus Stop Design Competition in partnership with Dhofar Municipality.





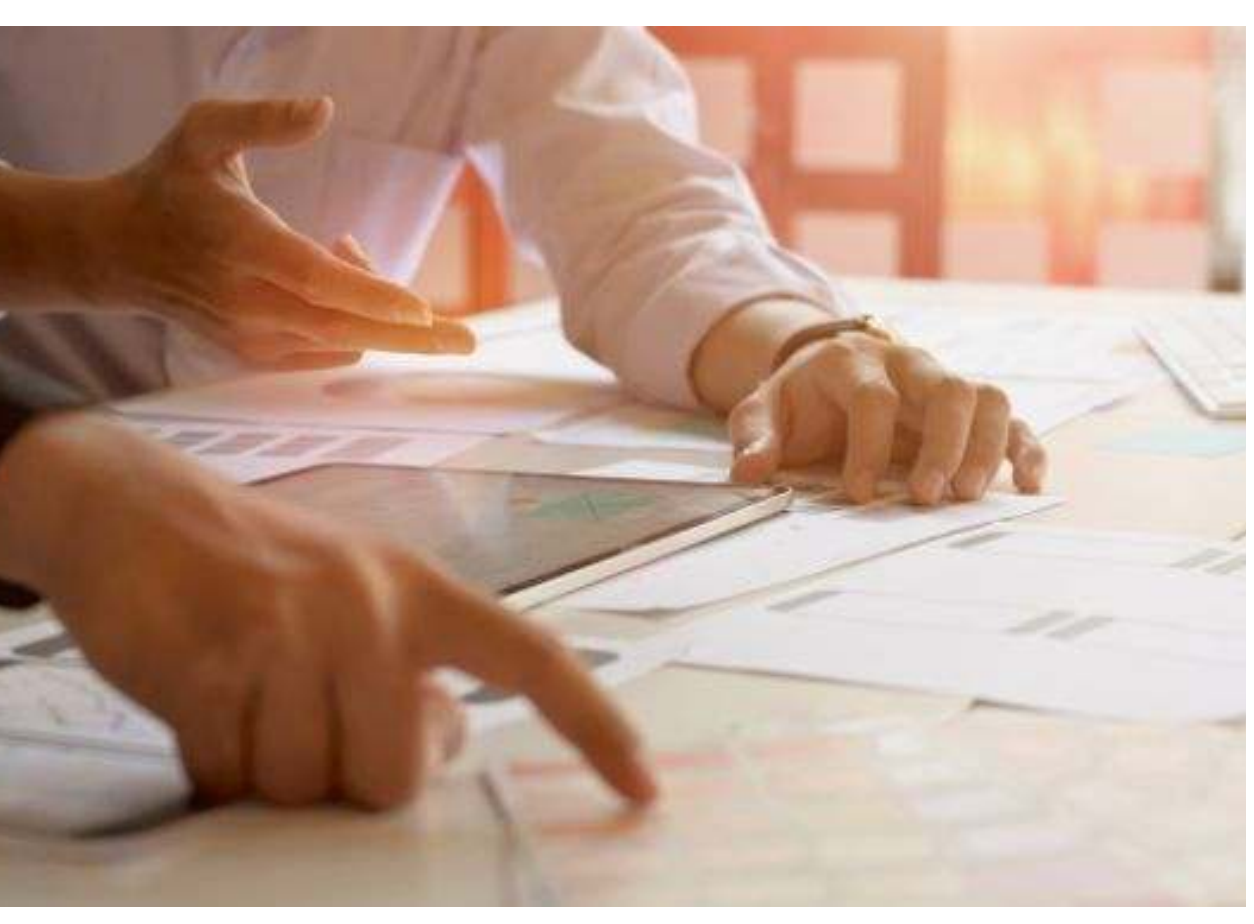
DHOFAR UNIVERSITY STUDENTS WIN FIRST PLACE IN PRESTIGIOUS ARCHITECTURE COMPETITION

MAY 01, 2024



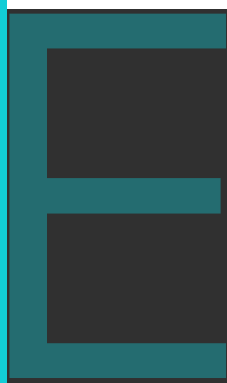
“Excellence through teamwork.”

A team of talented students from the Department of Architectural Engineering at the College of Engineering, Dhofar University, claimed first place at the Architectural and Civil Engineering Symposium competition. The event, held at the University of Technology and Applied Sciences (UTAS) in Salalah, brought together aspiring engineers to showcase their creativity, problem-solving skills, and technical expertise.



The winning team, comprising Abdullah Ahmed Bait-Othman, Khaled Qatan, Saja Hafeedh Al Kaaf, Linda Mujahed Kanaan, and Rawan Anwar Al-Waer, presented an outstanding project that stood out for its innovation, sustainability, and practical application. Competing against teams from Dhofar University and UTAS branches in Salalah, Manah, and Shinas, the students demonstrated exceptional teamwork and dedication, earning high praise from the panel of judges.

This remarkable achievement reflects Dhofar University’s unwavering commitment to academic excellence. The university continues to provide students with state-of-the-art resources, mentorship, and opportunities to participate in competitive platforms that enhance their real-world skills. By fostering a culture of creativity and innovation, Dhofar University aims to prepare future leaders in architecture and engineering, further cementing its status as a distinguished institution in the Arab region.





SUSTAINABLE DEVELOPMENT

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Save
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— SPRING
2023 - 2024

05

Workshops (For University Students)



- **Fostering Skills and Learning.**
- **Semiconductor workshop .**
- **Autonomous Navigation Workshop.**
- **Job Market Readiness Workshop.**

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WORKSHOPS

FEBRUARY 21, 2024



Organized by the Engineering Society within the College of Engineering, the workshop aimed to develop students' abilities and provide them with effective learning strategies.

The session focused on equipping students with the tools and techniques to enhance their academic performance and learning efficiency. Through interactive discussions and practical activities, participants explored innovative methods to approach their studies and improve their problem-solving skills.

This initiative aligns with Dhofar University's commitment to fostering an engaging learning environment and empowering students to reach their full potential. The workshop was well-received by attendees, who praised its relevance and the practical insights gained. It underscores the university's dedication to supporting students in their academic and professional journeys.

Enhancing Student Skills and Learning Methods

On February 21st, Architect Lamia Mostafa, a lecturer in the Department of Architectural Engineering at Dhofar University, delivered a workshop titled "Enhancing Student Skills and Learning Methods."





WORKSHOP ON SEMICONDUCTOR TECHNOLOGY HIGHLIGHTS INDUSTRY ADVANCEMENTS

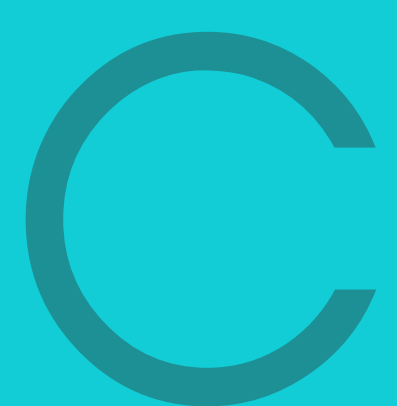
FEBRUARY 29, 2024



On February 29, 2024, Dr. Mohammad Maroof Siddiqui conducted an engaging workshop on semiconductor technology, focusing on its latest advancements, emerging trends, and real-world applications. The session highlighted the vital role of semiconductor technology across industries such as electronics, telecommunications, healthcare, and renewable energy, emphasizing its transformative impact on modern innovation.

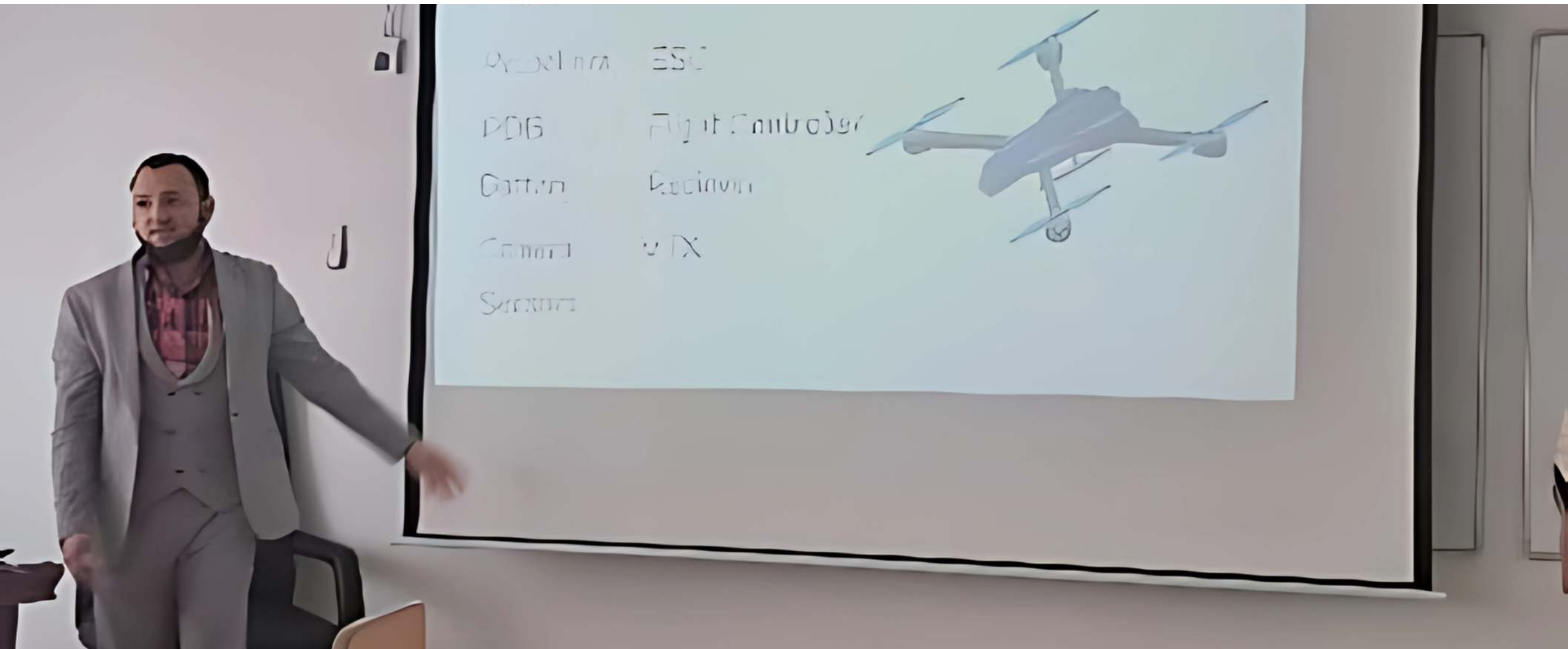
Participants were introduced to core concepts, including semiconductor materials, device fabrication processes, and the physics underlying semiconductor devices. These foundational topics were complemented by insights into cutting-edge developments, providing a comprehensive understanding of the field. The workshop also explored practical applications of semiconductor technology, bridging the gap between theory and industry practices. Through interactive discussions and activities, attendees gained valuable insights into current trends and their implications for future advancements.

The event reflected a commitment to fostering technological literacy and equipping participants with the knowledge to navigate the rapidly evolving semiconductor landscape.



COLLEGE OF ENGINEERING HOSTS AUTONOMOUS NAVIGATION WORKSHOP

APRIL 22, 2024



On April 22, 2024, Dr. Qamar Ul Islam, a lecturer in the Department of Electrical and Computer Engineering at Dhofar University, conducted an engaging workshop on Autonomous Robot Navigation. The event catered to students and technology enthusiasts keen to explore the complexities of drone autonomy and its practical applications. The workshop provided a deep dive into the principles and techniques behind autonomous drone navigation, offering participants both theoretical insights and practical experience.

“Empowering students through autonomous drone navigation innovation.”



A standout feature of the session was the hands-on segment, where attendees, under the guidance of Dr. Qamar, utilized MATLAB to simulate real-world scenarios in drone navigation. This immersive approach allowed participants to bridge the gap between theoretical knowledge and its application in cutting-edge technology. The workshop was well-received, reflecting Dhofar University’s commitment to fostering innovation and equipping students with skills essential for thriving in modern technological fields.



COLLEGE OF ENGINEERING HOSTS WORKSHOP ON JOB MARKET READINESS

APRIL 30, 2024



On April 30, 2024, the College of Engineering at Dhofar University held a workshop titled “Engineers of the Future: Your First Step into the Job Market,” in collaboration with the “**Build**” Initiative. The workshop aimed to prepare architecture graduates for the job market by equipping them with essential skills for success.

Key topics covered included resume writing, client communication, portfolio design, and project presentation techniques. These practical sessions provided students with tools to confidently navigate the professional world and stand out in their fields.

Dr. Lamiaa Mostafa, a lecturer in the Department of Architecture, spearheaded this initiative as part of the college’s mission to empower its graduates to meet the evolving demands of the job market. The workshop was well-received, further cementing the college’s role in fostering career readiness and professional growth among its students.

“Empowering future engineers with essential skills to excel in the job market and shape their professional journey.”





— **SPRING**
2023 - 2024

06

Workshops **(For Academic Staff)**

- **Action Research in Pedagogy.**
- **CE Strategic & Operational Plan.**

Read More...



WORKSHOPS

APRIL 29, 2024



On April 29, 2024, Dhofar University hosted a transformative workshop on Action Research in Architecture Pedagogy. Organized by the Centre for Teaching and Learning, the event aimed to enhance teaching methodologies in the field of architecture through collaborative research and innovative discussions.

The workshop featured insightful presentations by Dr. Abbas Mahmoud Abbas Hassan and Dr. Fatemeh Khozaei from the Department of Architectural Engineering, College of Engineering.

ACTION RESEARCH IN ARCHITECTURE PEDAGOGY



Faculty members from the College of Engineering gathered in the CE Meeting Room to explore new strategies for improving architectural education.

This initiative underscores Dhofar University's commitment to advancing educational excellence and fostering an engaging academic environment. By encouraging collaborative efforts and innovation in pedagogy, the university continues to position itself as a leader in higher education.



COLLEGE OF ENGINEERING HOSTS AWARENESS PROGRAM ON STRATEGIC PLAN

MAY 28, 2024



On May 28, 2024, the College of Engineering (CE) at Dhofar University organized an insightful awareness program aimed at familiarizing faculty members with the CE Strategic and Operational Plan. Led by Dr. Muhammad Shariq Khan, along with CE QA Coordinator Dr. Prajoona, the program emphasized the critical importance of understanding and aligning with the strategic objectives of the college and the university as a whole.

The session began with an introduction to Dhofar University, showcasing its notable achievements and emphasizing the pivotal role played by the College of Engineering in reaching these milestones. Faculty members were engaged in discussions on how the CE Strategic Plan supports DU's overarching mission to address both local and global challenges through innovative research and academic excellence.



In addition to presenting the strategic vision, Dr. Khan and Dr. Prajoona highlighted the key focus areas of the CE Operational Plan, which outlines immediate goals and initiatives. The program concluded with a call for collaboration, reinforcing the faculty's role in driving institutional success.







— **SPRING**
2023 - 2024

07

Field Trips

- **Visit Land of Frankincense Museum.**
- **Explore Salah Protection Dam.**

Read More...



FIELD TRIPS

MARCH 3, 2024



“IMMERSIVE LEARNING.”

On March 3, 2024, students from the Department of Architectural Engineering at Dhofar University’s College of Engineering visited the Land of Frankincense Museum. Led by Ms. Maryam Saeed, a lecturer in the department, the field trip provided students with an opportunity to study the museum’s architectural and interior design.

The visit focused on how design elements contribute to creating an engaging and immersive exhibition experience. The excursion was carefully planned to complement the students’ ongoing design studio projects, offering practical insights into real-world applications of architectural concepts.

This initiative reflects the department’s dedication to combining theoretical learning with hands-on exposure, enriching the students’ academic experience and fostering their understanding of cultural and historical design practices.



Architectural Engineering Students Visit Land of Frankincense Museum



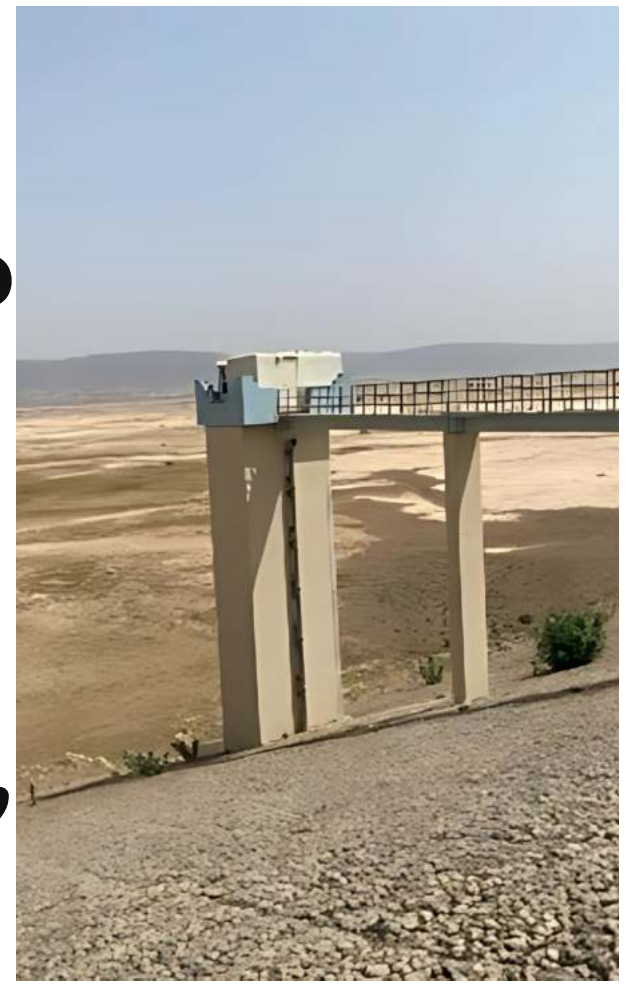
DHOFAR UNIVERSITY STUDENTS EXPLORE SALALAH PROTECTION DAM

APRIL 25, 2024



On April 25, 2024, the Department of Water Resources in Dhofar Governorate, in collaboration with Dhofar University, arranged a field visit for students enrolled in CIVE 340 Engineering Hydrology, a course in the Department of Civil and Environmental Engineering. Accompanied by their instructor, Dr. Mahaad Issa Shamma, Chair of the Department of Civil and Environmental Engineering, the students participated in an on-site lecture delivered by Eng. Mohammed Khalfan Shamas, Head of Dams at the Department of Water Resources.

“Real-world insights into flood protection and sustainability”



The lecture provided an in-depth look at the design and drainage systems of the Salah Protection Dam, focusing on its flood prevention strategies. Eng. Shamas also discussed the dam’s catchment area, storage capacity, and its effectiveness during Cyclone Mekunu in May 2018, when it retained significant volumes of water. This field visit offered students a valuable opportunity to understand the operational and protective functions of the dam. It highlights the ongoing cooperation between DU and the Directorate of Water Resources to enhance practical learning and community engagement.







— **SPRING**
2023 - 2024

08

Community Service

- **Urban Planning Policies and Controls.**
- **Success and Skills Discovery.**
- **Empowering Post-Graduate Learning Virtually.**

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COMMUNITY SERVICE

FEBRUARY 29, 2024

On February 29th, 2024, the department of Architectural Engineering, College of Engineering participated in the “National Policies and Standards for Urban Planning and the Regulatory Framework for Planning Controls” workshop. The workshop was organized by the General Directorate for Housing and Urban Planning in Dhofar. The session involved the participation of students from the Architectural Engineering Department under the supervision of Architect Lamia Mostafa, a lecturer in the Architectural Engineering Department. The workshop enabled students to gain awareness on national urban planning policies, standards, and planning controls. This experience aimed to enhance students’ understanding of planning controls and their practical application in real-world contexts. It reflects the department’s commitment to equipping students with the knowledge and skills needed to contribute to sustainable urban development and aligns with Dhofar University’s dedication to fostering meaningful educational experiences.



NATIONAL POLICIES AND STANDARDS FOR URBAN PLANNING AND THE REGULATORY FRAMEWORK FOR PLANNING CONTROLS





THE JOURNEY OF SUCCESS AND SELF-DISCOVERY OF SKILLS FOR UNIVERSITY ENTRANCE

MARCH 3, 2024



On March 3, 2024, the College of Engineering at Dhofar University, in collaboration with Al Manahil Private School, organized a series of workshops titled “The Journey of Success and Self-Discovery of Skills for University Entrance.” The workshops were held in both the male and female sections of the school and were led by Dr. Lamiaa Mostafa, a lecturer in the Department of Architectural Engineering. This initiative represents a strategic partnership aimed at equipping students with essential learning strategies for academic success in higher education.

“Fostering academic success through collaboration and innovation.”



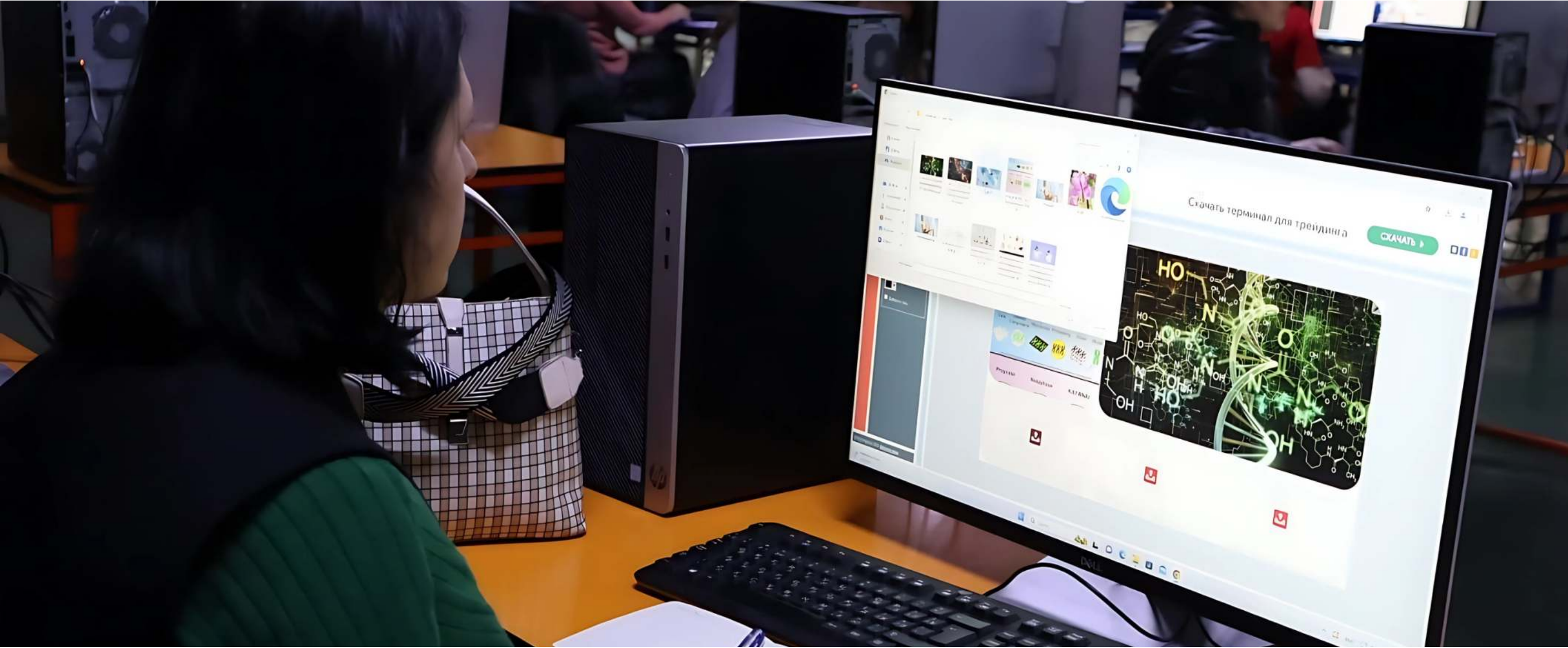
It reflects a shared commitment to enhancing students' academic skills while strengthening ties between the university and schools.

By fostering such collaborations, Dhofar University continues to build a supportive educational ecosystem, promoting mutual growth and excellence. These workshops highlight the university's dedication to enriching the broader educational landscape and preparing students for a seamless transition to higher education.



VIRTUAL WORKSHOP EMPOWERS POST-GRADUATE LEARNING AND SKILLS DEVELOPMENT

MAY 10, 2024



“Empowering lifelong learning to thrive in a dynamic job market.”

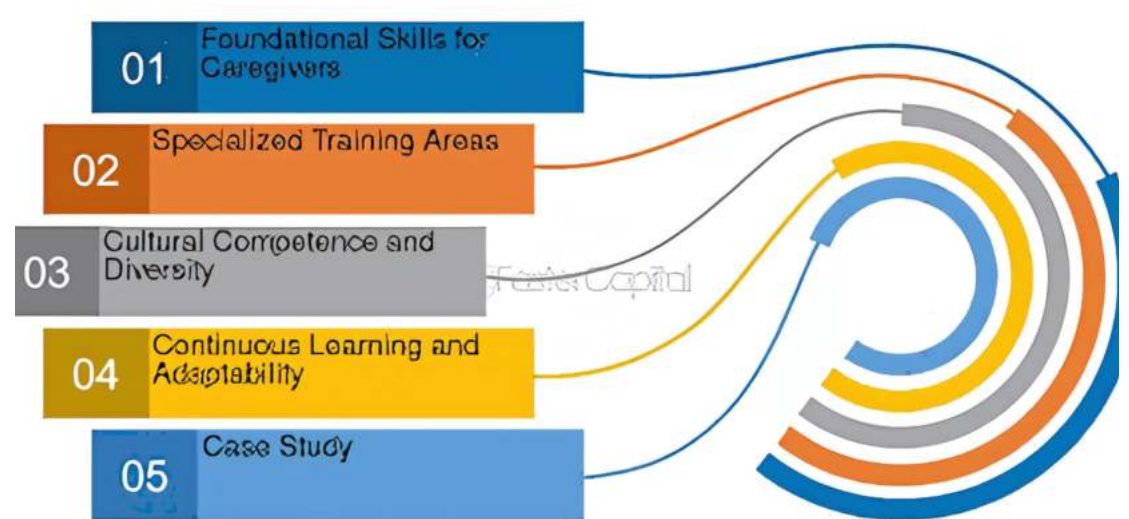
On May 10, 2024, Dr. Lamiaa Mostafa, a lecturer in the Department of Architectural Engineering at Dhofar University, delivered an online workshop in collaboration with the Center for Community Service and Continuing Education. The virtual session, conducted via Zoom, aimed to reach a broader audience and enhance learning and development skills for post-graduate individuals.

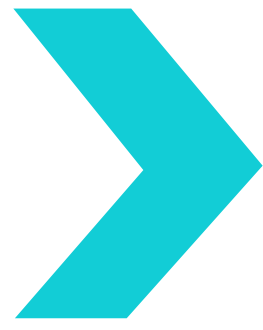
The workshop focused on equipping participants with the tools and strategies needed to adapt to the evolving demands of the job market.

By addressing skill development and continuous learning, the session emphasized the importance of staying competitive in a dynamic professional environment.

This initiative reflects Dhofar University's dedication to supporting lifelong learning and community engagement. By leveraging virtual platforms, the university ensures accessibility and inclusivity, fostering growth and development across diverse segments of society. Participants praised the workshop for its relevance and practical insights, highlighting its value in bridging the gap between education and career advancement.

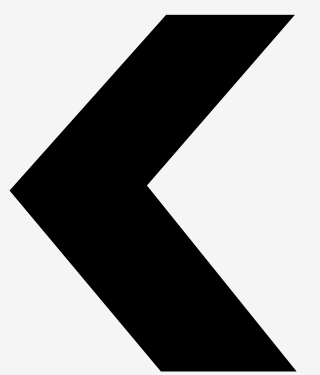
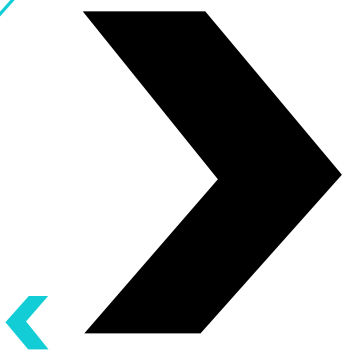
Skill Development and Training





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09

Seminars

- **BIM Seminar**

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BIM SEMINAR: TOWARDS THE FUTURE OF CONSTRUCTION AND BUILDING

NOVEMBER 18, 2023



Under the patronage of Dr. Issam Al Bahdoor, Dean of the College of Engineering, and in the presence of a distinguished group of engineers from both the public and private sectors, the College of Engineering at Dhofar University organized a seminar entitled "Building Information Modeling: From Zero to Construction" on May 1st, 2024. The seminar was delivered by Arch. Mansour Kashta, an architect and expert in Building Information Modeling (BIM) at Foster + Partners, a globally renowned company in this field.

Building Information Modeling



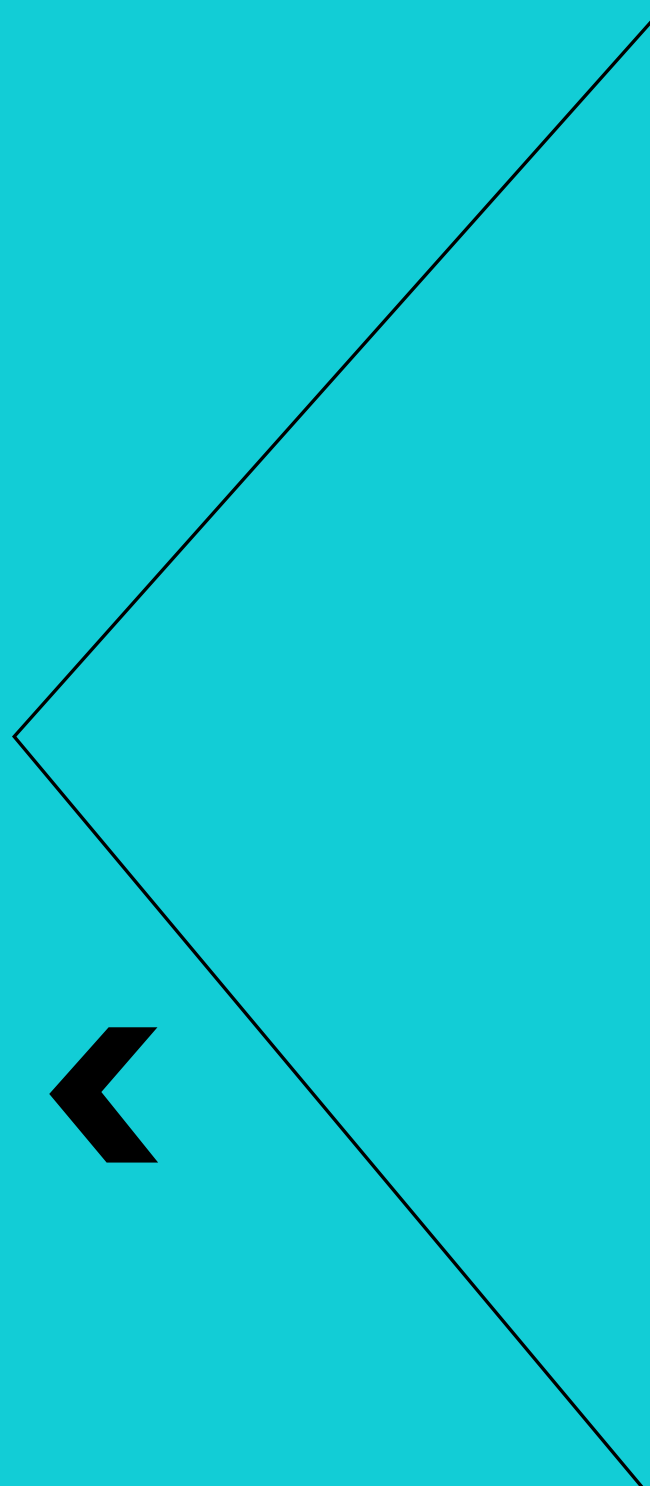
The seminar addressed a variety of topics, including the introduction of BIM technology, its benefits, importance, and methods of application and utilization in projects in Oman. It also featured presentations of a variety of projects by students from the Department of Architecture Engineering, as well as a detailed presentation of Sara Abdulmunem Talha's project, which used advanced BIM technology. The event sponsor honored the attendees and participants at the seminar's conclusion. This event aligns with the goals of the College of Engineering, which aims to prepare engineers to meet the demands of the job market and foster entrepreneurship in this field that is witnessing increasing global demand. The seminar was organized by Dr. Lamiaa Mostafa from the Department of Architecture Engineering at the College.



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EVEN OPEN

EVENTS

— SPRING
2023 - 2024

10

Open Events

- "Open Day" Event.

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THE COLLEGE OF ENGINEERING ORGANIZES "OPEN DAY" EVENT

MAY 22, 2024



“Celebrating achievements, inspiring future engineers.”

The College of Engineering at Dhofar University organized an Open Day for its students on Wednesday, May 22, 2024. The event was inaugurated by the Dean of the College, Dr. Issam Al-Bahdoor. The Open Day program included a video of the College’s vision and mission and a motivational speech from the Dean to the attending students.

The program also featured an awards ceremony for students on the Dean’s List and those who won various competitions at the college, university, and national levels. Following this, a video titled “University Alumni” was shown, highlighting a graduate’s experience and providing a motivational message for students to prepare for the job market. The Open Day concluded with a video showcasing the Engineering Society’s activities during the academic year, along with a ceremony honoring the society members and supporting companies.



➤
**Solid
Mechanics
Laboratory**



▼
**Thermal
Laboratory**



◀
**Fluid Mechanics
Laboratory**



▼
**Surveying and
GPS Laboratory**

➤
**Fluid Mechanics
Laboratory**



◀
**Water and
Wastewater
Treatment Laboratory**



◀
**Reactive Process
Engineering
Laboratory**

▼
**Separation
Processes
Laboratory**



➤
**Electric Circuits
Laboratory I**

➤
**Basic
Electronics
Laboratory**



▼
**Communication
Systems Laboratory**



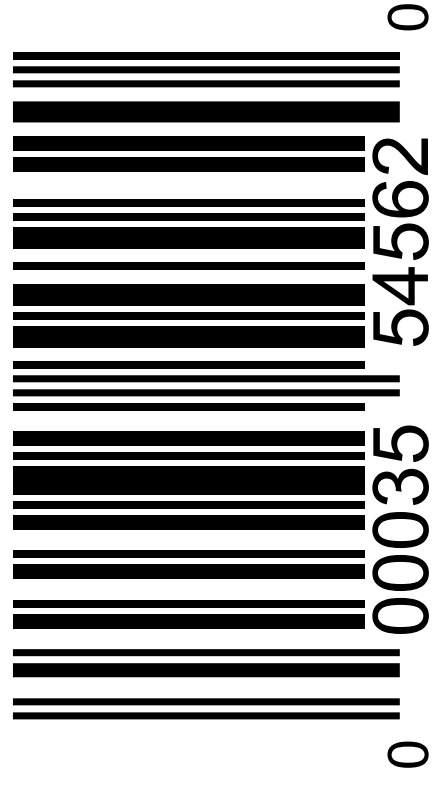
◀
**Highway
Engineering
Laboratory**



NO.2

END OF NEWSLETTER

SPRING 2023 - 2024



**DEAN OF THE COLLEGE
OF ENGINEERING:**

DR. ISSAM AL-BAHDOOR

DESIGN BY:

DR. LAMIAA MOSTAFA

CE

كلية الهندسة