

MOM (Sustainability Committee)

23-4-2024

The meeting commenced with Dr. Yussra welcoming all committee members and expressing gratitude for their involvement in the university's Sustainability mega project. She emphasized that the main role of this committee is to enhance and implement sustainability practices and awareness within UBT, aiming to preserve its resources, ensure its sustainability, and achieve a balance between social, environmental, and economic aspects.

The meeting began by discussing the paramilitary framework for the Sustainability project (**presented at the end as an Appendix**), **which encompassed five key dimensions as follows:**

- 1) Sustainability in UBT operation (going green),
- 2) promoting a culture of sustainability at UBT through education,
- 3) sustainability community engagement,
- 4) integrating sustainability into the curriculum,
- 5) and sustainability in research. These dimensions were presented in the table below.

The primary focus of this meeting was on the first dimension which is sustainability in UBT operations, which encompassed the following aspects with designated deadlines:

Dimension	Discussion	Actions and Due date
Energy Saving	.Eng. Abdullah provided an update on the building management system at the Corniche campus, which is expected to be fully operational within four months. The system's main function is to optimize	Eng. Abdullah committed to sharing <u>electricity readings with the committee by May 3rd.</u>

	electricity usage (lighting, AC) through programmed timing.	
	Currently there is no BMS in North Obhur Campus	Dr. Yasser Abualmajd and Dr. Amr Hussain will develop a plan for integrating electricity sensors in the North Obhur campus. The plan will consist of the execution phases timelines and costs <u>by May 15</u>
Water Consumption efficiency	Eng. Abdullah informed the committee about a report on water consumption by the company,	<p>-Eng. Abdullah will share the report available on UBT water consumption prepared by UBT Co.</p> <p>-A pilot experiment will be conducted on water consumption, involving the application of water filters to bathroom taps.</p> <p>--The committee agreed that Eng. Abdullah will provide readings on the current water consumption <u>by May 3rd.</u></p> <p>- Eng. Abdullah will explore the feasibility of activating the dual-flush feature on the flush meters to minimize water consumption.</p>
	Gray Water:	Dr. Yasser will investigate solutions for separating irrigation water from clean water, as both are currently collected in a single tank intended for recycling used water for irrigation purposes (<u>by May 30th.</u>)
Waste management (recycling)	Eng. Abdullah clarified that although the trash bins distributed across the campus are divided according to waste type, they are ultimately collected in a single large trash bin where they become mixed. The problem lies in the fact	Dr. Yasser suggested an area near the west gate to be explored by him and Eng. Abdullah, along with other possible areas. They will provide feedback on their findings by (May 15th)

	that recycling companies, which have been contacted, prefer to use large trash containers with the waste properly classified. However, Eng. Abdullah mentioned that there is no available space for these large containers.	
Creating sustainability awareness	<p>Dr. Amr Hussain will involve the renewable Energy Club of the College of Engineering</p> <p>Dr. Salim will start preparing quotes relevant to sustainability aspects to be shared by UBT staff and students as to enhance their awareness</p>	

Appendix

Preliminary DRAFT of Sustainability project Dimensions

Sustainability Dimension	Actions
<ul style="list-style-type: none">Green Campus (Sustainability in UBT operation)	<ul style="list-style-type: none">• Reduce the university's carbon footprint and enhance energy efficiency through sustainable practices and innovative technologies.• Preserve and protect natural resources, including water and land, by implementing conservation measures and sustainable land management strategies.• Minimize waste generation and promote recycling, composting, and waste reduction initiatives campus wide.• Student and employees wellbeing (food , Environment) (Labor committee)
Sustainability culture & education (internal) <i>Foster a culture of environmental responsibility and awareness among students, faculty, staff, and the wider community through education and outreach programs.</i>	<ul style="list-style-type: none">• On campus Awareness campaigns (to coordinate with the JCA to develop short videos• Coordinate with DSA / colleges on organizing lectures / events.

	<ul style="list-style-type: none"> • Engage students in programs that promote sustainability. • Activating incentives at the institutional, individual, and collective levels. • Coordinate with clubs (existing or developing new ones specifically on Sustainability) • Training sessions (coordinate with Training centre for inhouse or external (note we have two students attended PRME program (lectures and seminars)
Sustainability and Community engagement	<ul style="list-style-type: none"> • Forge partnerships with local communities, businesses, nonprofits, and government agencies to address sustainability challenges and promote collective action. • Offer outreach programs, workshops, and events to educate and empower the broader community on sustainable living practices and environmental stewardship. • Support and collaborate with sustainability-focused organizations and initiatives both locally and globally to amplify our impact and share best practices. • Engage students, faculty, and staff in community service projects, sustainability initiatives, and environmental advocacy efforts. • Membership in global organizations such as PRME. Check the Paris Agreement and engage with networks like the International Campus Sustainability Network and the Race to Zero campaign in preparation for COP29. • Coordinate with government agencies and ministries to deliver such projects. Collaborate with other institutions such as KAUST on sustainability projects.

<ul style="list-style-type: none"> Integrate Sustainability in the Curriculum 	<ul style="list-style-type: none"> Coordinate with colleges on integrating sustainability in the curriculum (assignment, Projects) Note : Students have participated in number of competitions , Hackathons <p><i>1.1.1. Complete the current state assessment of the level of SDG and ESG in courses offered by program by college: 50% by Q1 2024; 100% by Q2</i></p> <p><i>1.1.2. Complete the current state assessment of the level of SDG and ESG of the co-curricular and extra-curricular programs by college: 50% by Q1 2024; 100% by Q2</i></p> <p><i>1.1.3. Complete a plan by Q3 2024 to address the gap in integrating SDG and ESD elements into the curriculum. (Initiate the plan implementation in Q4 onward.</i></p> <p><i>1.1.4. Identify at least one faculty training programs on in Q1 on SDG and ESG in higher ed. and how to integrate them into the curriculum (Achieving constructive alignment: (learning activities, assessment strategies, and content and learning resources)</i></p>
Sustainability in Research	<ul style="list-style-type: none"> Coordinate with the DSR on developing policies to increase research outputs that are aligned with SDG goals <p>Enhance and promote research incentives awards for faculty and studnetns engagement in research with has high impact</p>