



Sustainability
and Development
Makers Center
Gulf University - Kingdom of Bahrain



2025

COLLEGE OF ENGINEERING

Annual Report

SDM-C

Sustainability and Development Makers Center

Academic Year 2024-2025

Prepared By:

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A Vision aligned with Global Sustainable Development Goals:



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1. Introduction

This report summarizes the initiatives, actions, activities, and projects carried out by the Sustainability and Development Makers Center (SDM-C) at Gulf University during the 2024–2025 academic year. Aligned with the university’s strategic direction and plan, the SDM-C prioritizes sustainable practices and emerging trends in higher education, while addressing diversity, community needs, and global environmental challenges. Activities span progress on the Sustainable Development Goals and include local, regional, and international collaborations and competitions that promote inclusive, sustainable education and opportunity for all. The center advances campus transformation through environment-friendly infrastructure and facilities, accessibility for people with special needs, adaptable learning environments, campus life improvement, and lifelong learning initiatives. The report highlights the SDM-C’s role in developing and implementing initiatives across four core areas: Operations & Environment, Community Engagement, Research & Innovation, and Education/Knowledge Sharing & Capacity Building.

As part of ongoing efforts to enhance the Center’s impact and alignment with the University’s vision, mission, and strategic plan, a governance revision was instituted to strengthen cross-college collaboration. A university-level decision mandated the appointment of a designated representative from each college to the Center. This structural change establishes formal interdisciplinary representation, such the inert-colleges initiatives, enabling coordinated co-actions, participatory decision-making, and more effective implementation of the Center’s objectives and performance targets.

SDM-C College of Engineering: Information* & Meetings Schedule

- 1- Dr. Omar Blibech /Director
- 2- Dr. Walid Elfezzani /Coordinator
- 3- Dr. Mohamed Alastal /Member
- 3- Dr. Tanvir Hussein /Member
- 4. Dr. Adel Bilal /Member
- Mr. Mohamed Abdulhameed /Member
- 4- Mrs. Ameera Hydrose /Member
- 5- Dr. Ammar Mohamed /Member
- 6- Ms. Mahfouda AlAni /Member
- 9- Ms. Nadin Hamada /Member

(*). With reference to College of Engineering Resolution, the updated version issued by the University Level, for the Academic Year 2024-2025.

SDM-C Meetings Schedule / 2024-2025:

- SDM-C First Meeting: 01/10/2025
- SDM-C Second Meeting: 04/05/2025

It's important to mention that the scheduled meetings are supplemented by regular work sessions—including focused meetings and open forums—that support continuous idea exchange, proposal solicitation, joint identification of improvement areas, and review of implementation progress. These sessions enable ongoing monitoring, iterative refinement of initiatives, and timely follow-up on assigned actions.



Figure 01: SDM-C at Gulf University

2. The SDM-C Mission & Vision.



Figure 2: SDM-C at GU: Core Vision & Mission.

Throughout the designed initiatives and developed actions in 2024-2025, the SDM-C at GU sustain it's core strategic goal to be the premier center in Bahrain's higher-education sector for developing, supporting, and scaling innovative ideas from faculty, staff, students, alumni, and community partners into viable projects aligned with the Sustainable Development Goals and Bahrain 2030 Vision.

Sustainability and Development Makers Center (SDM-C) — Mission

The SDM-C catalyzes and supports nascent and existing initiatives from academics, staff, students, alumni, and community stakeholders by providing structured support—orientation, facilitated co-creation sessions, training, technical consultancy, research support, and other enabling services—to convert concepts into successful, sustainable ventures that contribute to global development objectives.

Core Functions

Identify opportunities, plans, and strategic frameworks required to develop and implement sustainable initiatives and projects.

Foster a culture of innovation, collaborative problem-solving, and participatory governance to embed sustainability values across stakeholders.

Deliver targeted support services (induction, co-design workshops, training, consultancy, research facilitation) to increase project feasibility and impact.

Promote and support projects that engage campus populations and external stakeholders through on-campus, off-campus, and local-environment interventions.

Build and maintain strategic networks with national and international institutions, industry, and community organizations to enable collaborative, co-creative projects aligned with sustainability goals.

Responsibilities

The SDM-C's responsibilities align with Gulf University's strategic direction, plan, and commitment to the SDGs. The Center's primary role is to advance innovative initiatives and projects in higher education through sustained stakeholder engagement and collaboration at local, regional, and international levels. The SDM-C facilitates co-thinking, co-creation, and participation among faculty, researchers, staff, students, alumni, and professional/non-professional community members, delivering tailored support to ensure initiatives are viable, impactful, and consistent with sustainability approaches in higher education, the SDGs, and Bahrain 2030 Vision.

Action Plan: Projects and Achievements

Aligned with its vision, mission, and responsibilities, the SDM-C has initiated a portfolio of plans, actions, and projects addressing the following core areas in support of Gulf University's strategic plan:

Operations & Environment
Community Engagement

Research & Innovation
Education / Knowledge Sharing
Capacity Building

3. SDM-C: Core Mission & Areas for Implementation



Figure 3: Sustainability and Development Makers Center at Gulf University: Core Mission Implementation



Figure 4: Sustainability and Development Makers Center at Gulf University: Initiatives for Local/Regional/International Collaborative Projects.

4. The SDM-C: Action Plan Projects and Achievements:

The Sustainability & Development Makers Center (SDM-C) committee meetings focus on advancing sustainability initiatives across the university. Key discussions revolve around the progress of events like the Sustainability Week (GUSW2024), the integration of college representatives into the SDM-C, and evaluating SDM-C member contributions. Action items include clarifying member roles, finalizing the GUSW2024 program, establishing a Gulf University Sustainability Club (GUSC), and implementing a KPI-driven monitoring system.

The meetings emphasized launching sustainability workshops and awareness campaigns, conducting carbon footprint assessments, and integrating sustainability training into the curriculum. A significant effort is dedicated to developing a university-wide carbon footprint assessment framework and strengthening collaborations with external organizations. The university is also focused on environmental improvements through solar panel installations and promoting paper reduction via digital transformation.

Student engagement is a central theme, highlighted by the launch of a Sustainability Club and related events such as the SDG Big Quiz. These efforts aim to integrate sustainability into both academic courses and operational activities. A strategic operational plan spanning from December 2024 to December 2029 aligns with the university's long-term roadmap. Lastly, there is an effort toward better reporting and documentation, which will be made through uploading key performance indicators, evidence, and videos to a shared platform.

Table 1. SDM-C 2024-2025 Action Plan Table with designed "Objectives" and "Percentage Complete":

Action Item	Responsible Party/Parties	Timeline/Deadline	Objective	Percentage Complete	Status
Clarify SDM-C member roles & responsibilities	SDM-C Members, Dr. Omar Blibech	Ongoing	Ensure clear understanding & effective coordination of sustainability efforts.	70%	In Progress
Finalize and circulate GUSW2024 program details	SDM-C Members, Dr. Omar Blibech, PR Dept., IT Dept., SSU	As Soon As Possible	Ensure successful execution of Sustainability Week 2024 with maximum participation.	80%	In Progress
Establish Gulf University Sustainability Club (GUSC)	SDM-C, University Council	Pending University Council Approval	Foster student involvement and leadership in sustainability initiatives.	50%	Proposed/Planned
Implement KPI monitoring mechanism	SDM-C, Dr. Omar Blibech	Ongoing	Track and evaluate the progress and impact of sustainability initiatives.	60%	In Progress
Launch sustainability workshops & awareness campaigns	SDM-C Members	Ongoing	Increase awareness and promote adoption of sustainable practices.	50%	Planned
Conduct carbon footprint assessments	SDM-C Members	Ongoing	Understand and reduce the university's environmental impact.	50%	Planned

Integrate sustainability training into curricula	SDM-C Members, College Representatives	Ongoing	Embed sustainability principles into academic programs.	70%	In Progress
Strengthen external collaborations	SDM-C Members	Ongoing	Expand resources and impact through partnerships.	80%	In Progress
Install solar panels and daylighting systems	SDM-C Members, Ms. Nadeen	Ongoing	Reduce energy consumption and promote renewable energy sources.	90%	In Progress
Promote paper reduction & digital transformation	SDM-C Members	Ongoing	Reduce paper usage and promote efficient digital workflows.	80%	In Progress
Launch Sustainability Club events (SDG Big Quiz, etc.)	Sustainability Club, SDM-C	Throughout the Year	Increase student participation and engagement in sustainability-related activities.	50%	Planned
Upload KPIs and activity evidence to shared platform	All SDM-C Members	Ongoing	Ensure transparent reporting, documentation, visibility and aligning progress with reporting requirements.	50%	To Do
Develop a Campus-wide Sustainability Engagement Program	SDM-C Members	TBD	To encourage Sustainability Engagement on Campus with collaboration and joint projects.	50%	To Do
Coordinate multiple actions with the CECEC	SDM-C Members, Dr. Omar Blibech	TBD	To coordinate with CECEC, design and implement collaborative projects and initiatives on sustainability	50%	To Do
Translation and Submission of Course's SDG relation Document	Dr. Adel Bilal	TBD	Support SDG mapping and integration with academics	50%	To Do

4.1.SDM-C Operational Plan:

The Core Areas...

The Operational of the SDM-C for the Academic year 2024-2025 accentuates the alignment with Gulf University's (GU) objectives and initiatives related to sustainability and Sustainable Development Goals (SDGs). GU aims to offer distinguished programs aligned with futuristic needs and national priorities, emphasizing curricular and extracurricular activities focused on sustainability. Key initiatives include designing a "Sustainability Week," planning extracurricular activities with the Sustainability Club, developing citizen science projects, and fostering educational and industrial partnerships.

The university also focuses on future careers, integrating SDGs across programs, and expanding experiential learning. This involves launching a "GU SDGs Platform," engaging students in local schools, and developing an outreach program through the Sustainability Club. GU aims to enhance student recruitment by effectively using social media.

To expand learning opportunities, GU will implement recognition of prior learning and explore partnerships with organizations in sustainable development areas. Plans are in place to enhance digital technologies, library resources, and activate joint research with the industry through the "GU Sustainability Research Grant." Students' research is accelerated by aligning graduation project themes with industry needs via an "SDGs Graduation Handbook."

Community engagement is fostered through advisory boards and partnerships for sustainability projects. GU plans to increase collaboration with regional and international universities through exchange programs. The university also supports the local community by offering training and creating an incubator, Metaverse Lab, and Innovation Hub.

GU aims to enhance business continuity by exploring alternative revenue sources through a "Green Start-Up Incubator" and sponsors student-led green campus initiatives. Activities are promoted towards entrepreneurship, society, and the environment, including a platform for "Net Zero Infrastructure."

Sustainable resources are promoted by investing in smart campus facilities, energy conservation systems, and green initiatives. These include alternative lighting, water, and cooling solutions, waste management programs, and recycling. The university embraces SDGs through events, research, and volunteering, guided by the "SDGs – CPD" project and community cleanup events. GU also seeks collaborations with organizations like The Supreme Council for Environment (SCE).

Global learning experiences are enhanced by preparing students for international conferences and hosting the "Sustainability and Community Service Symposium." The university aims to rebuild its position through rankings like the UI Green Metrics. Campus development is fostered through outdoor facilities, the "Sustainability Engineering Hub," and student co-creation of learning environments aligned with SDGs.

Table 2. SDM-C Operational Plan 2024-2025

Areas	Objective	Initiatives	Tasks to be reflected in the action plans	Sources of Initiative	Target / Milestone	Responsibility	Time Frame		Budget	Progress (Actual Achievement)
							Start	End		
	OB01: Offer distinguished programs: Futuristic needs, national priorities, and internationalization	OB01. IN04: Conduct range of curricular and extra-curricular activities for the students suitable for profession and lifelong learning	Designing and planning the "Sustainability Week – 2 nd Edition" involving local, regional and international stakeholders, and including series of seminars, talks, lectures, workshop, exhibitions, hands-on, social and cultural activities, directly linked to SDGs and reflected in developing both awareness and skills to assimilate sustainability in everyday life.	GU President, Director of the SDM-C	5 days-activity for collaborations between government, industries, academia representatives and stakeholders from different communities	Director of the SDM-C, GUSW Steering Committee, PR, IT, SSU, Facilities Manager.	Dec. 24	Jan. 25		

Areas	Objective	Initiatives	Tasks to be reflected in the action plans	Sources of Initiative	Target / Milestone	Responsibility	Time Frame		Budget	Progress (Actual Achievement)
							Start	End		
Research, Education & Innovation			Planning active extracurricular activities with/for the Sustainability Club, as On-Campus and Off-campus activities, trainings, inductions, educational trips.	Director of the SDM-C, SSU.	02 On-Campus Activities/ 02 Off-Campus Activities	Director of the SDM-C, SSU, PR.	Oct. 24	June. 25		
			Developing and Funding Citizen Science Activities and Projects: Support and encourage students and staff to participate in citizen science activities and projects.	V.P., Research Council, SDM-C	At least 03 Participations	President, VP, Dean, Research Council, Director of the SDM-C	Sept. 24	May 25		
			Develop opportunities for educational, entrepreneurial and industrial partnerships between governmental and non-governmental bodies and the "GU Sustainability Club".	SDM-C, SSU, QAD-C	At least 03 Partnerships.	Director of the SDM-C, Head of SSU, Director of the QAD-C, Students' Council	Oct. 24	Jul. 25		
	OB02: Explore future careers in demand: Knowledge, skill and competencies for 21st century	OB02. IN03: Propose futuristic careers through published research and reports	Activating the call for contributions for the "GU Sustainability Research Grant" for students and faculty to conduct sound-impact research linked to SDGs.	V.P., Research Council, SDM-C	Awarding Staff & Students from different Programs	President, VP, Dean, Research Council, Director of the SDM-C	Nov. 24	Oct. 25		
	OB03: Review and update existing programs: Supporting SDGs and futuristic jobs	OB03. IN02: Implement education for SDGs across the programs	SDGs-enabled program modules: develop a sustainability-focused that can be focused SDGs achievement outcomes.	V.P., QAD-C, SDM-C	At least 02 Trainings, delivered by international experts	President, VP, Dean, QAD-C, Director of the SDM-C	Dec. 24	Dec. 25		
			Launching the "GU SDGs Platform", as interactive system to effectively link overall academic and non-academic activities to SDGs.	GU President, VP., SDM-C.	Operational Interface accessible on GU Website.	ADM-C, IT, Head of Accreditation and Ranking Unit AR-U, QAD-C, IT, SSU, AR-U	Jan. 25	Sept. 25		
		OB03. IN03: Expand experiential learning towards sustainable solutions to complex problems	Develop an outreach program Sustainability Club students to scope local schools and conduct activities, deliver sessions and teach children about sustainability and SDGs related subjects.	V.P., QAD-C, Research Council, SDM-C	At least 01 project.	President, VP, Deans, CECL-C, Director of the SDM-C, CECEC, SSU	Oct. 24	Jul. 25		
	OB04: Enhance students' recruitment: Equality, diversity & inclusion	OB04. IN02: Use social media effectively to reach the community and beyond	Launching media campaigns, for both Sustainability Center and Sustainability Club.	GU President, V.P., SDM-C,	At least 01 Campaign for each	VP, Director of the SDM-C, Media Center, IT, PR.	Dec. 24	Mar. 25		

Areas	Objective	Initiatives	Tasks to be reflected in the action plans	Sources of Initiative	Target / Milestone	Responsibility	Time Frame		Budget	Progress (Actual Achievement)
							Start	End		
Student activities & Campus life for Capacity Building	OB05: Explore opportunities for modular learning and executive education	OB05. IN03: Implement recognition of prior learning to widen the market	MoUs collaborations, sponsorship, mentoring and partnership with local, regional and international organizations involved in sustainable development areas	V.P., SDM-C, SSU.	At least 02 to 03 MoUs	President, VP, Dean, , Director of the SDM-C	Jan. 25	Dec. 25		
	OB08: Expand digital technologies & resources: Accessibility & inclusiveness	OB08. IN03: Ensure consistent implementation of teaching and learning technologies within digitization approach and practice	Implementing digitalization plans towards eco-friendly learning infrastructure.	V.P., SDM-C	.	VP, , IT, Director of the SDM-C	Sept. 24	Sep. 25		
	OB09: Enhance library resources utilization: Wider access and sustainability	OB09. IN01: Expand the use of Library Management System for automation in library operations and activities	Benchmarking latest advances and international references of sustainable automated libraries within higher education institutions and propose relevant suitable design alternatives.	V.P., QAD-C, SDM-C	Submitting a report with relevant specifications.	VP, Facilities Manager, Librarian, Director of the SDM-C	May. 24	Dec. 25		
	OB10: Activate joint research with industry: Engagement & consultation	OB10. IN03: Encourage faculty and students to engage in research projects with the industry	Developing the “GU Sustainability Research Grant”: Establish a research grant for students and faculty to conduct research in the area of sustainability. This could include research on renewable energy technologies, climate change, sustainable agriculture, and more.	V.P., QAD-C, Research Council, SDM-C	At least 03 Research Grants	President, VP, Dean, Research Council, Director of the SDM-C	Feb. 25	Dec. 25		
	OB12: Accelerate students’ research: Industry & futuristic	OB12. IN02: Align the graduation project themes with industry needs and challenges	Designing “SDGs Graduation Handbook” to provide needed methodological and technical guidance for graduation projects to be aligned with industry needs, SDGs and environmental challenges.	V.P., QAD-C, SDM-C	Submitting draft template of the handbook	President, VP, Dean, QAD-C, Director of the SDM-C	Mar. 25	Dec. 25		

Areas	Objective	Initiatives	Tasks to be reflected in the action plans	Sources of Initiative	Target / Milestone	Responsibility	Time Frame		Budget	Progress (Actual Achievement)
							Start	End		
Community engagement	OB14: Expand community engagement with private and public sectors: Sustainable practices	OB14. IN03: Form advisory board to reflect on the needs of the community and support sustainable development goals	Develop a Community Partnerships Program: Partner with local businesses, non-profits, and government organizations for sponsorship to create work environments dedicated to development of projects on sustainability projects. This could include research projects, collaborative community service initiatives, or co-constructed educational programs towards sustainable development goals.	V.P., QAD-C, Research Council, SDM-C	At least 02 signed partnership agreements	President, VP, Dean, , Director of the SDM-C, CECEC	Nov. 24	Dec. 25		
	OB15: Foster active partnership with regional and international universities: Students & staff	OB15. IN01: Increase the number of collaboration with regional and international universities	GU Plan for International Exchange Programs: Establish exchange programs with universities in other countries to share experience in collaborative work, new trends in institutional work environments to co-design ideas and collaborations on sustainability in education, research and projects for community.	V.P., QAD-C, Research Council, SDM-C	At least 01 International Exchange Programs	President, VP, URC, Dean, SSU, Director of the SDM-C	Jan. 25	Dec. 25		
Operations & Environment	OB16: Support local community overcoming challenges: Expertise and university resources	OB16. IN01: Continue offering addressed training needs and services to community in areas of its expertise	Creation of an Incubator, a Metaverse Lab and Innovation Hub, to support and guide ideas for entrepreneurship projects and environment-friendly campus.	V.P., QAD-C, SDM-C	Submitting proposal with related technical and financial specifications	VP, Facilities Manager, Director of the SDM-C	Nov. 24	Dec. 25		
	OB18: Enhance business continuity: Risk management and sustainability	OB18. IN04: Explore opportunities for alternative sources of revenue towards financial sustainability	Creating the Green Start-Up Incubator at the GU sustainable Eng. hub: Create a start-up incubator on campus focused on green businesses. This could provide students with the resources and mentorship they need to start their own sustainable businesses.	V.P., SDM-C	Submitting proposal with related technical and financial specifications	VP, Facilities Manager, Director of the SDM-C	Mar. 25	Oct. 25		
	OB20: Utilize and support student potential and interest	OB20. IN03: Enrich students' hobbies through clubs and participate in national and international	Sponsorship for Green Campus Pitch Competition: Host a local /regional/international competition where students can pitch their ideas for a green campus. The winners	V.P., SDM-C	At least 02 editions of the competition	VP, Facilities Manager, Director of the SDM-C	Sep. 24	Oct. 25		

Areas	Objective	Initiatives	Tasks to be reflected in the action plans	Sources of Initiative	Target / Milestone	Responsibility	Time Frame		Budget	Progress (Actual Achievement)
							Start	End		
		events and competitions	could receive funding or other resources to help turn their idea into reality.							
Community engagement	OB21: Promote activities towards entrepreneurship, society and environment	OB21. IN01: Collaborate with external bodies to contribute towards society, environment and entrepreneurship	Developing an entrepreneurial project and a professional sports & activities program at both University level and Inter-Universities level.	V.P., SDM-C	At least 01 funded project.	President, VP, Dean, , Director of the SDM-C	Mar. 25	Jul. 25		
	OB22: Improve effectiveness of university services: Innovations and digitization	OB22. IN03: Implement automation in university management and campus operations	Developing GU interactive platform for “Net Zero Infrastructure”, linked to SDGs and connected to overall campus operations.	V.P., SDM-C	Submitting proposal with related technical and financial specifications	VP, Facilities Manager, Director of the SDM-C	Feb. 24	Dec. 24		
Operations & Environment	OB23: Promote sustainable resources: Green campus	OB23. IN02: Enhance initiatives towards digitization, smart campus, environment friendly technology and infrastructure	Investing in campus smart facilities, equipment and devices; sensors, actuators, detectors for energy efficiency, safety and environment monitoring.	V.P., SDM-C	Submitting proposal with related technical and financial specifications	VP, Facilities Manager, Director of the SDM-C	Dec. 24	Dec. 25		
		OB23. IN03: Apply energy conservation system to contribute towards better future	Investing in a solar energy project in partnership with the industry and funding an “On-campus renewable energy plan”.	V.P., Dean, SDM-C	Submitting proposal with related technical and financial specifications	VP, Facilities Manager, Director of the SDM-C	Jan. 25	Dec. 25		
		OB23. IN04: Undertake green and eco-friendly initiatives in the campus	Proposing alternatives for lighting, water, air conditioning and cooling load management, building insulation system. Designed project for Light sensors, Solar panels, Fabric Façade project. Objective for up to 30% energy cost decrease. Developing waste sorting solutions & waste management equipment across all campus facilities. Investing in a Recycling and Composting Program: Implement a comprehensive recycling and composting program on campus, with clearly marked bins in all buildings. Offer	V.P., Dean, SDM-C	Submitting proposal with related technical and financial specifications	VP, Facilities Manager, Director of the SDM-C	Sep. 24	Sep. 25		

Areas	Objective	Initiatives	Tasks to be reflected in the action plans	Sources of Initiative	Target / Milestone	Responsibility	Time Frame		Budget	Progress (Actual Achievement)
							Start	End		
			workshops or inductions on waste reduction and the importance of recycling and composting.							
Research, Education & Innovation	OB29: Embrace SDGs through teaching, learning, research and campus operations	OB29. IN01: Increase the number of events and activities contributing to SDGs	Launching the “GU monthly SDGs Event” involving students and rewarding winners to stimulate their creativity and engagement towards SDGs.	V.P., SSU, SDM-C	At least 03 editions of the SDGs Event	VP, Facilities Manager, Director of the SDM-C	Dec. 24	Oct. 25		
		OB29. IN02: Increase the number of published papers related to SDGs	Establish a dynamic research platform for students and faculty to conduct research around sustainable development goals. The “GU Award on SDGs Research”.	V.P., QAD-C, Research Council, IT, SDM-C	Developing and submitting the outlines and contents of the platform	President, VP, Dean, Research Council, Director of the SDM-C	Jan. 25	Jul. 25		
		OB29. IN03: Guide volunteering activities by staff and students that support SDGs	Deploying resources to motivate volunteers to contribute and participate to projects, international cooperations, professional development and certifications and rankings. The “SDGs – CPD” project. Developing the monthly “Community Cleanup Events & Open 3Rs Workshop”.	V.P., QAD-C, SSU, SDM-C	Submitting the reference document and planning	President, VP, SDM-C, Research Council, AR-U.	Jan. 24	Dec. 25		
			OB29. IN04: Build new collaboration with government, industry and community on shared interest and field	V.P., SSU, SDM-C	Signing an agreement/ Memorandum.	President, VP, Dean, , Director of the SDM-C	Jan. 25	Oct. 25		
Research, Education & Innovation	OB30: Create a footprint in providing global learning experience: Engagement and exchange	OB30. IN04: Prepare students to participate in seminar, conference, competition with international students and scholars	Designing series of well-established inductions and trainings and deploying resources for students to participate to international conferences, competitions, challenges and events around sustainable development.	V.P., SSU, SDM-C	Submitting training program with a well-established program and contents	President, VP, Dean, SSU, Director of the SDM-C	Dec. 24	Dec. 25		
		OB31. IN03: Host the international conference, forum and symposium in the university	Planning for the second edition of the “Sustainability and Community Service Symposium at GU”.	V.P., Research Council, SDM-C	Resolution for both the steering & organizing committees	President, VP, Dean, Research Council, Director of the SDM-C	Feb. 25	Apr. 24		

Areas	Objective	Initiatives	Tasks to be reflected in the action plans	Sources of Initiative	Target / Milestone	Responsibility	Time Frame		Budget	Progress (Actual Achievement)
							Start	End		
	OB32: Rebuild university position through institutional ranking	OB32. IN01: Explore opportunities for ranking towards better reputation	Completion of the “GU Green Metrics Submission” for the UI Green Metrics World Ranking Universities, in addition to the second edition of the “SDGs Toolkit” for the UNAI, as Member Institution.	V.P., QAD-C, SDM-C	Submitting related progression reports	President, VP, Dean, QAD-C, Director of the SDM-C	Sep. 24	Dec. 24		
Operations & Environment	OB33: Foster campus development : Expansion and renovation	OB33. IN01: Implement campus development initiatives consistently	Increasing number of outdoor facilities and other infrastructure for physical activities, sports and athletics. Completing the “Sustainability Engineering Hub” and the “GU SDGs Academy”, as dedicated spaces for intellectual development, lifelong learning and campus development initiatives.	V.P., SDM-C	Submitting proposal with related technical and financial specifications	VP, Facilities Manager, Director of the SDM-C	Sep. 24	Jan. 25		
		OB33. IN03: Arrange for adaptable facilities and infrastructure solution	Extensions and rehabilitation of some existing areas and facilities and transformations towards eco-friendly indoor/outdoor areas.	V.P., SDM-C	Submitting proposal with related technical and financial specifications	VP, Facilities Manager, Director of the SDM-C	Sep. 24	Mar. 25		
		OB33. IN04: Involve students in co creation of learning environment with exposure to SDGs	Sponsorship for Green Campus Pitch Competition: Host a competition where students can pitch their ideas for a green campus. The winners could receive funding or other resources to help turn their idea into reality.	V.P., SSU, SDM-C	At least 02 editions of the competition.	VP, Facilities Manager, Director of the SDM-C	Sep. 24	Mar. 25		

4.2. SDM-C GU Sustainability Week Project:



DAY 1
20TH
OCT

الجامعة الخليجية
GULF UNIVERSITY

SUSTAINABLE
DEVELOPMENT
GOALS

Sustainability
and Development
Makers Center



Sustainable
Engineering HUB

IEEE

University of
Northampton

GULF UNIVERSITY SUSTAINABILITY WEEK



10:00
10:30

Introduction to the SDGs: Global Interactive Presentations:

10:00-10:15: Opening speech & ceremony; introducing the week's activities and University commitments to continued action towards SDGs.

The Supreme Council for Environment (SCE) in Bahrain/Dr. SH. Fay Abdulla Al Khalifa/ Ministry of Interior/ Ministry of Health/ Ministry of Industry and Commerce/Ministry of Youth Affairs-The Supreme Council for Youth & Sports/Ministry of Works/Ministry of Housing and Urban Planning/Bahrain Science Center for SDGs

المؤسسة الملكية للأعمال RFH / Professor Mohanad AlFiras, President & Dr. Omar Bilbech, Gulf University Sustainability & Development Makers Center - SDMC

10:15-11:00: Overview presentation on the 17 SDGs and their significance.

Mr. Ahmed Ben Lassoued, UNIC /Dr. Mustafa Alsayed/ Mr. Nabeel Radhi, Innova Green / Dr. Najat Es'haqi/ KPMG Bahrain/KANOO Group .

11:00-11:30:

Discussion on "Sustainable Living" and Partnerships for the Goals: bringing together local organizations and businesses to discuss collaboration for achieving the SDGs.

11:30
12:00

Interactive Work Session

Interactive work session to explore how each SDG relates to business and everyday life of local communities.

Mr. Mohamed Jaffer Mezal - The Supreme Council for Environment (SCE) Dr. Siddiq Balal / Dr. Najat Es'haqi / Mr. Ali Ghasra, (MOIC)

12:00
12:30

Panel Discussion

on the progress and challenges in achieving the SDGs in local/regional context in Higher Education.

HEC Representative/ BQA Representative Dr. Rumpa Roy , D. Tanvir Hussein/Gulf University

12:30
13:30

Break at the GU Studio Café & University Tour to explore Campus settings and the launching of Sustainability Week Activities & Workshops

Dr. Omar Blibech, SDMS Director / Dr. Walid Elfezzani, SDMC Member

13:30
14:00

SDGs, ESG & Community Engagement Workshop: "Participate-Collaborate-Create".

KPMG-ESG Specialist, Mr. Naren Pasupalati & Mr. Kalyan Subramanian / Maryam Mahmoud AlHajri, NGOs / Dr. Mohamed Dawas, CECLC, Gulf University / Dr . Ahmad Alastal

14:00
15:00

Healthy activities and Mindfulness Session Promoting Mental Health and Well-Being.

MoH-Health Promotion Directorate Mrs. Maryam Almosawi /Consultant Zahra Baqer - Dr Muskan Naggi / Mrs.

Maryam Lukman/ Meditation & Yoga Expert/ RAM Medical Center

Community wellness sessions featuring health screenings, health advising, health guide, lifestyle management and activities promoting physical and mental well-being. MoH Bahrain, Zainab Mahdi Abdullah, Zainab Abd Ali, Health Promotion Directorate; Think Pink: Bahrain Breast Cancer Society; , Mrs. Zainab Hasan, Mr. Ali Al-Aradi, Mrs. Sana Albaker/ Dr. Mariam Al Junaidi, ibn Al-Nafees Hospital

15:00
15:30

Nutrition Workshop Focusing on Healthy and Sustainable Diets.

Dr. Shaima Abdelmaboud ALSALAM HOSPITAL/ Dr. Abrar Omran/ Healthy calories

15:30
16:00

Community Potluck lunch with dishes

dishes made from locally sourced, seasonal foods and different environment friendly culinary traditions/cultures.

16:00

Eco-Friendly Personalized & Custom Gifts Distribution.

GUSW – Team / GU Sustainability Club

DAY 2
21ST
OCT

الجامعة الخليجية
GULF UNIVERSITY

SUSTAINABLE
DEVELOPMENT
GOALS

Sustainability
and Development
Makers Center



Sustainable
Engineering HUB

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GULF UNIVERSITY SUSTAINABILITY WEEK



Climate Action: Energy Conservation, Reduce & Reuse, Waste Reduction, Responsible Consumption and Production Day

- 10:00** | Campus-wide energy audit and awareness campaign: Energy-saving tips and tricks session.
10:30 | Eng. Mustafa Emad Al Masri / Dr. Walid Elfezzani
- 10:30** | **Recycling**
11:30 | Waste Management and composting workshop. Nidukki – Bahrain / BahrainCompost Co.
- 11:30** | **The 3Rs & Life-cycle Extension Workshop**
12:00 | Co-creativity workshop on upcycling old items into useful products and the Campus clean-up Challenge.
Kiswa Bahrain/ Nidukki -Bahrain
- 12:00** | **Clothing Swap and Donation Drive.**
12:30 | Kiswa Bahrain
- 12:30** | **Kick-off Event .**
13:00 | with a presentation on the importance of reducing waste and reusing resources.
Fives Services Gulf WLL
- 13:00** | **Workshop on Upcycling Old Items into Useful Products: Innovation**
14:00 | **Competition & Rewards.**
Kiswa Bahrain
- 14:00** | **Movie screening of Documentaries Focusing on Environmental Issues**
14:30 | **and Solutions.** Bahrain TV / GU Media Production Center
- 14:30** | **Workshops and Panel Discussions on Renewable Energy Sources, such**
15:00 | **as Solar and Wind Power.**
Prof. Dr .Isa Qamber /Eng. Mustafa Emad Al Masri/ Eng. Ali Salman Baba
- 15:00** | **Presentations on Digital Transformations.**
15:30 | smart urban planning, sustainable transportation options, including electric vehicles, bike-sharing programs, and carpooling trends towards reducing GWP. Eng. Hejer Krichene INSOMEA/ Arch. Mohammed Dadabhai, UN-Habitat Bahrain/ Eng. Arch. Kai Miehg, WAISTE
- 15:30** | **Themed Lunch using Local Products and Sustainable Ingredients.**

DAY 3
22ND
OCT

الجامعة الخليجية
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Circular Economy

09:00 Presentation, workshops & panel discussions (Call for Contribution: Importance of research linkage to SDGs). BI-
10:30 AINS, Bahrain Researchers and Inventors Society, URC – GU/ Dr. Mohamed Alsheikhly, Dr. Tanvir Hussein, Dr. Siddiq Balal, Dr. La'aleh Ala'li
, Dr. Mujeeb Saif, Dr. Tamer Alkadash, Dr. Ali Ateeq/ (Dr. Mariam Al Junaidi – Consultant/ Tahera Alhashimi - Ibn

Talk Shows and Poster

10:30 sessions for Academics/Students Research/Projects towards SDGs (Call for Project).
11:00 URC – GU/ Dr. Mohamed Alsheikhly, Dr. Tamer Alkadash

Showcasing Local Institutions

11:00 businesses and organizations that have successfully embraced circular economy practices: The Big Exhibition.
12:00 MoH Bahrain, Health Promotion Directorate/STC/ INSMOEA/GREEN INNOVA/ KANOO Group / KPMG Bahrain/ EUREKA/ INSOMEA /FATIMALANSARI Design/ ALBADER TOWERS/ VEER/ Ibn Al-Nafees Hospital/ RAM Medical Center.

Best Innovative Research/Projects Competition

12:00 Panel & Rewards. URC – GU.

The “SDGs Big Quiz” Competition & Rewards.

13:00 GUSW – Team / GU Sustainability Club
14:00

Green Lifestyle & “Eat Local” themed lunch.

Using Zoho Books Workshop

14:15 Digital technology in financial, accounting and administrative transactions
16:14 instead of paper towards sustainability
Dr. Ahmad Alastal

DAY 4
23RD
OCTOB

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10:00

Biodiversity Conservation and Outdoor Activities Day

Green booths featuring technologies, innovative initiatives relevant to sustainability, local flora and fauna.

STC/ GREEN INNOVA/INSOMEA / Jassim Garden Centre GUSW – Partners/ Sponsors/

*Guided trip & awareness session on marine conservation and protecting life below water.

Tubli Bay Reserve /Bahrain Mangroves Tour

10:30

Educational and student project displays: Projects Relevant to Sustainability

GUSW – Team / GU Sustainability Club

10:30

Interactive session

Ajyal Sustainability Consulting/ Eng. Arch. Kai Miehg, WAISTE/ Eng. Ali Salman Baba

11:00

Presentation on Climate Change Impacts and Actions Individuals can Take

Bahrain Science Center for SDGs/ Eng. Arch. Kai Miehg, WAISTE/ Dr. Siddiq Balal

11:30

On-Campus Farmer's Market Featuring Local, Bio & Organic Products.

Farmer's Market - Bahrain

12:00

Workshop on Reducing Food Waste, Pest Control and Promoting Sustainable Agriculture

جمعية حفص النعمة البحرين Conserving Bounties - Bahrain

13:00

Trip and Nature Walk at the Nearby Park / Nature Reserve.

Karzakan Forest Bahrain

15:00

Lunch Meal Theme & Culinary Experience of Healthy food.

16:00

Panel Discussion with Environmental Physics,

environmental activists and policymakers on climate action and ocean conservation.

Dr. Tanvir Hussein / Dr. May Al Saffar/ Dr. Hanan Mubarak Albufasa

16:00

Tree Planting Activity: On-Campus and Community Gardens Maintenance

STC Sponsorship Initiative/ Jassim Garden Centre

17:30

Film Screening Followed by a Round Table on Biodiversity Conservations.

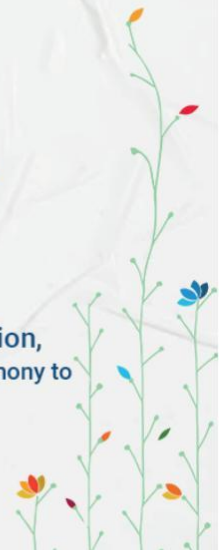
GU Media Production Center

18:30

Presentation & Talk Show Event by a Local Institution/Organization, Relevant to Peace and Justice"; The International Day of Peace "Ceremony to celebrate the Word Peace Day"

جمعية شعلة المحبة والسلام - Kingdom of Bahrain

AS SPONSORS



DAY 5
24TH
OCTOB

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- 10:00** | **Presentations by a Group of Experts on Green Architecture and Sustainable Urban Design Principles.** Eng. Nour Almotawa, NJ Engineering
/ Zainab Abdulmohsen Eid/ Dr. Uneb Izgar, Bahrain Smart City Society/ Arch. Mahdi A Jjallawi
- 11:00** | **Panel Discussions on Urban Planning for Resilience.**
Zainab Abdulmohsen Eid, Khalid Qarooni, Bahrain Smart City Society/Eng. Arch. Kai Miehig, WAISTE/ Arch. Sndra Job Gulf University
- 11:30** | **Think-Tank on Urban Planning for Sustainable Cities and Communities.**
Dr. Uneb Izgar/ Eng. Abdallah Mohsen, Almoayyed Group/ Arch. Mahdi A Jallawi
- 12:00** | **Workshop on the Importance of Clean Energy and Sustainable Infrastructure.**
Eng. Hasitha Dnumpura , Arch. Wala Alqebaiti
- 13:00** | **Workshop on Digital & Smart Solutions for Sustainable Cities and Communities.**
Eng. Waleed Abusadeh, EUREKA, Arch. Sandra Job, Gulf University, Khalid Qarooni Bahrain Smart City Society/Eng. Mustafa Magdy EUREKA.
- 14:00** | **Green Lifestyle & "Eat Local" themed lunch**
- 15:00** | **AI & Metaversity for Sustainable Development: One Day-based Training Workshop.**
Mr. Qabas Khaled Elayan - NAIRDC, Dr. Walid Elfezzani, Dr. Ashraf Nadheer, Gulf University.
- 15:30** | **Group discussion on Personal Sustainability Goals and Action Plans.**
Dr. Tanvir Hussein & Ms. Fatema Al-Shuwaikh, Gulf University/ Mr. Ron Santiago
- 16:00** | **Volunteer opportunities with community partners working towards various SDGs**
Good World Society/ Marsad Association for Human Rights/ Dr. Mohamed Dawas, CECLC, Gulf University.
- 16:30** | **Honoring Participants/Partners/Sponsors / Closing Ceremony.**



GU Sustainability Week | 20th -24th October

5-Days Activity DATA & STATISTICS

The “Sustainability Week” organized by Gulf University, Kingdom of Bahrain 20th -24th October 2024 was a vocal to promote sustainable practices as adopted by UN's 17SDGs. The event involved students, faculty, staff, industry partners and experts, government representatives, and individuals representing community in activities and initiatives that engaged to strengthen environmental, social, and economic sustainability. The principal objective of the event is to raise awareness about sustainability issues, engage community including government, promote sustainable practices and choices, and track key indicators pertaining to sustainability. These objectives will be achieved through a series of panel discussions, workshops, exhibitions, on-campus hands-on activities, off-campus goings-on, reflected in impacts on awareness and ability to assimilate sustainability in every daily life. Overall, the Sustainability Week 2024, as first edition, was aimed to inspire, educate, and empower participants to take meaningful action towards a lifelong sustainable future, and by bringing together the government, industry, academic institutions, and community leaders the event impact the sustainability practices and contribute to Bahrain's overall progress towards achieving better ranking of all 17SDGs adopted by UN in 2015.

Accordingly, the following is a representation of the gathered statistical information, showing range of graphical, numerical and analytical data, indicting respectively a Summary of Activities by Type, GUSW Activity Statistics Classified by SDG, Detailed Breakdown of Presentations, Workshops, and Other Activities, Notable Participants and Key Contributors supported by range of relevant Graphs & Tables data summary.

Detailed Statistics for the GUSW:

1. Summary of Activities by Type

This section provides an overview of all activities conducted during the Sustainability Week, broken down by type and specific examples.

GUSW Activity Type	Count	Topic/Scope
Workshops	10	Energy Conservation, Recycling & Waste Management, Nutrition, Digital Solutions, Clean Energy
Panel Discussions	7	Climate Action, Biodiversity, Circular Economy, Urban Planning
Presentations	5	SDG Overview, Climate Change, Smart Mobility, Urban Design
Training Sessions	3	“AI & Metaversity for Sustainable Development” Workshop, ESG Engagement, Smart Cities
Interactive Sessions	4	Marine Conservation Awareness, SDG Exploration, Tree Planting, Community Wellness
Induction Events	2	Sustainability Club Formation, Campus Clean-Up Challenge
Competitions	2	SDG Quiz, Best Innovative Research/Project Competition
Community Engagement Activities	5	Farmers Market, Potluck Lunch, Tree Planting, On-Campus Clean-Up, Donation Drives
Key Speakers/Panelists	20+	Including representatives from Ministries, KPMG Bahrain, UNIC, Bahrain Science Center

Table 3: GUSW Activities Count

2. GUSW Activity Statistics Classified by SDG

The following table shows the count of activities linked to each specific SDG, highlighting the University's commitment to promoting various sustainability goals.

	Activity Count
SDG 4	33
SDG 12	22
SDG 17	20
SDG 15	16

SDG 11	15
SDG 13	12
SDG 3	10
SDG 7	10
SDG 2	5
SDG 9	5
SDG 14	4

Table 2: GUSW linkage to SDGs

3. Detailed Breakdown of Presentations, Workshops, and Other Activities

This section provides a detailed list of all specific activities, including presentations, workshops, and interactive sessions, held over the 5-day event. Each activity's focus, SDG alignment, and notable participants are listed where applicable.

Presentations

Total Count: 5

- Overview of the 17 SDGs and their significance
- Sustainable Development and Community Engagement
- Digital Transformation and Smart Urban Planning
- Climate Change and Sustainable Practices
- Green Architecture and Urban Design

Workshops

Total Count: 10

- Energy Conservation and Campus-Wide Energy Audit
- Recycling, Waste Management, and Composting
- Nutrition and Sustainable Diets
- Clean Energy and Sustainable Infrastructure
- AI & Metaversity for Sustainable Development
- Circular Economy and Upcycling
- Mental Health and Wellness
- Smart Solutions for Sustainable Cities
- SDGs, ESG & Community Engagement
- Sustainable Agriculture and Food Waste Reduction

Panel Discussions

Total Count: 7

- Climate Action and Individual Responsibilities
- Partnerships for Sustainable Development
- Circular Economy and Innovation
- Biodiversity Conservation and Marine Protection
- Urban Resilience and Smart Cities
- Community Engagement in Sustainability

- Sustainable Cities and Green Architecture

Interactive Sessions & Community Engagement

Total Count: 8

- Marine Conservation Trip and Awareness
- SDG Exploration Session
- Tree Planting Activity
- Campus Clean-Up Challenge
- Community Potluck Lunch with Local Foods
- Farmers Market on Campus
- Clothing Swap and Donation Drive
- The SDGs Big Quiz Competition

4. Notable Participants and Key Contributors

A diverse group of speakers, panelists, and workshop leaders contributed to the success of the event. Here are some of the key participants from various sectors, including government, private companies, and non-governmental organizations.

- Ministry of Health, Ministry of Works, Ministry of Youth Affairs, Ministry of Municipalities Affairs and Agriculture, Ministry of Industry and Commerce, Ministry of Housing and Urban Planning.
- Supreme Council for Environment
- Innova Green, KPMG Bahrain, Bahrain Science Center
- UN Information Center (UNIC) representative
- Local NGOs focused on sustainability and community welfare

5. Graphs & Tables data summary:

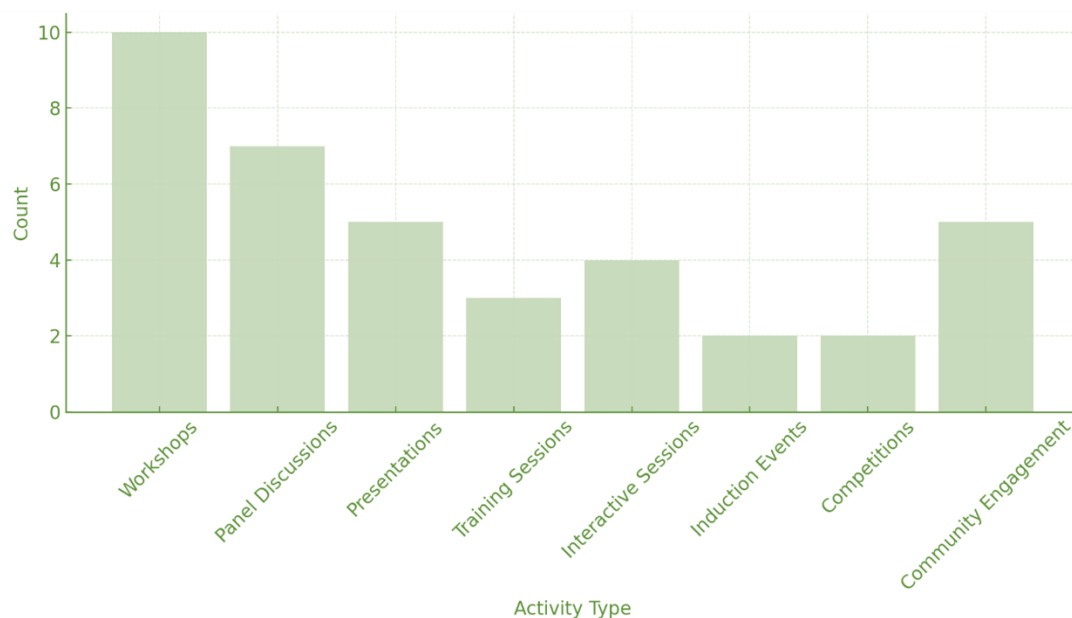


Figure 1: Summary of Activities by Type

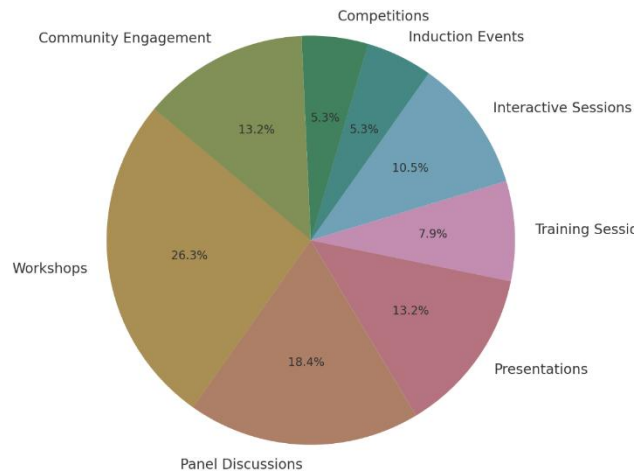


Figure 2: Achieved Activities by Type/ Percentage

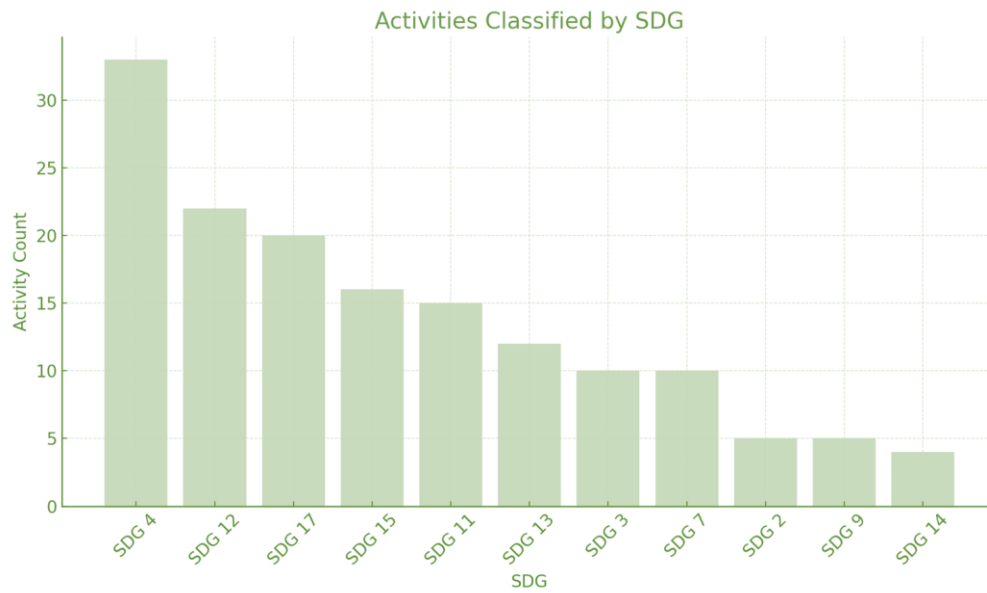


Figure 3: Activities Classified by SDGs

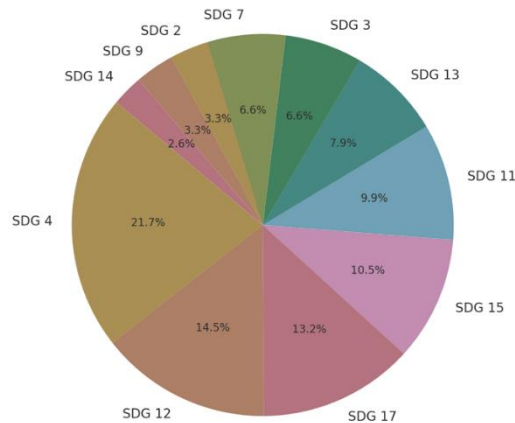


Figure 4: SDGs Achievement Percentage by GUSW Designed Activities

The Gulf University Sustainability Week featured a diverse program of 38 activities, including 10 workshops, 7 panel discussions, 5 presentations, 3 training sessions, 4 interactive sessions, 2 induction events, 2 competitions, and 5 community engagement activities, facilitated by over 20 key speakers and panelists. These activities were strategically aligned with the UN's Sustainable Development Goals (SDGs), with a significant emphasis on SDG 4 (Quality Education), accounting for 33 activities, followed by SDG 12 (Responsible Consumption and Production) with 22 activities, and SDG 17 (Partnerships for the Goals) with 20 activities. Further efforts supported SDG 15 (Life on Land) with 16 activities, SDG 11 (Sustainable Cities and Communities) with 15 activities, SDG 13 (Climate Action) with 12 activities, SDG 3 (Good Health and Well-being) and SDG 7 (Affordable and Clean Energy) with 10 activities each, and SDG 2 (Zero Hunger) and SDG 9 (Industry, Innovation, and Infrastructure) with 5 activities each, and SDG 14 (Life Below Water) with 4 activities, demonstrating the university's commitment to a broad range of sustainability objectives.

4.3. SDM-C: In-Progress Initiatives, Actions and Projects proposed by the Center's Members: Designed initiative for Project Inputs "GU Commitments Towards SDGs"



Sustainability and Development Makers Center
Gulf University - Kingdom of Bahrain

- Education/Knowledge sharing,
- Research and Innovation,
- Operations and Environment,
- Community Engagement and
- Capacity Building

SDM-C: Sustainable Engineering Hub Project:

Sustainable Engineering Hub Project | Gulf University Campus



The Sustainable Engineering Hub (SEH), as a well-designed initiative under the Sustainability and Development Makers Center at Gulf University, towards an effective contribution to environmental leadership. The Hub aims to offer an innovative space with multidisciplinary and collaborative work environments, as well as formal and informal experiential learning environments. It encourages co-thinking, co-creating, and co-developing initiatives, actions, and alternatives in alignment with the university's vision for lifelong learning and UN sustainable development goals, as well as Bahrain's Vision 2030. The SEH aligns with several Sustainable Development Goals (SDGs), including SDGs 9, 11, 12, and 13. By promoting sustainable infrastructure, responsible consumption and production, and climate action through the use of recycled materials, energy-efficient features, and water conservation measures, the SEH contributes to achieving these goals.

The project was developed through collaborative work involving engineering staff and students. The design process follows a 3Rs approach, focusing on extending the life cycle of project components, structures, and materials to support climate action initiatives at the university. The use of recycled shipping containers in the SEH provides a tangible example for campus inhabitants, raising awareness about sustainable development and the importance of community engagement in a higher education institution. It highlights how small actions can lead to significant changes.

The Gulf University Sustainability Club (GUSC)

The Gulf University Sustainability Club (GUSC) exemplifies an initiative aligned with Gulf University's vision to promote sustainable practices and achieve SDGs. It emphasizes learning, collaboration, and leadership to enhance the well-being of students, staff, and local communities.

The GUSC has an important role for developing forward-looking strategies, stakeholder engagement, and community empowerment through coaching and adaptation processes. The club's scope includes providing resources, fostering sustainable activities, and cultivating a culture of environmental stewardship. It aims to increase awareness, inspire initiatives, and develop future leaders committed to sustainability and social responsibility. Its structured governance facilitates effective implementation of sustainable actions and expands the club's influence, fostering community impact. For this academic year 2024-2025, the GUSC had an effective contribution in the Sustainability Week and all related university events and extra-curricular activities.

GUSC aspires to be an integral part of Gulf University's community, driving positive change and contributing to a sustainable future. Leadership development and student empowerment are viewed as systemic processes influenced by broader institutional and contextual factors.



Figure 9. The Sustainability Club: Empowering student leadership

1. Environmental Initiatives:

-Campus Green Initiative: Implement a campus-wide afforestation program targeting native species to mitigate carbon emissions and enhance biodiversity. Establish a campus garden to promote sustainable agriculture and organic farming practices for educational purposes.

Recycling and Composting: Deploy a comprehensive waste management system with clearly designated recycling and composting bins across all facilities. Conduct workshops to increase awareness on waste reduction, recycling, and composting benefits.

-Campus Urban Agriculture: Facilitate student-led urban food production projects to supply local communities, reducing emissions associated with food transportation. Promote experiential learning in urban agriculture to prepare students for sustainable food systems post-graduation.

2. Energy Efficiency Measures:

-Energy Audit & Retrofitting: Conduct comprehensive energy audits for all campus buildings and develop a retrofit plan incorporating energy-efficient technologies, such as solar PV systems, LED lighting, and high-efficiency appliances.

-Green Transportation: Promote sustainable mobility through infrastructure enhancements (bike racks), incentives for carpooling, and discounts for public transit use.

-Renewable Energy Investments: Transition campus energy needs toward renewable sources by installing rooftop solar panels and developing off-campus solar farms to reduce reliance on nonrenewable energy sources.

3. Educational Programs:

-Sustainability Curriculum Integration: Develop interdisciplinary courses focused on climate change, renewable energy, green building design, and sustainable agriculture to embed sustainability in academic programs.

-Speaker Series: Organize lectures featuring experts in sustainability, renewable energy, and environmental policy to elevate awareness and knowledge dissemination among students.

4. Research and Innovation:

-Sustainability Research Grants: Establish funding mechanisms supporting research initiatives in renewable energy, climate adaptation, and sustainable resource management for students and faculty.

-Citizen Science Engagement: Encourage participation in community-based scientific projects to facilitate experiential learning and contribute to real-world sustainability research.

5. Entrepreneurship and Start-up Support:

-Green Incubator: Create an on-campus incubator fostering startups focused on sustainable products and services, providing mentorship and resources.

-Sustainability Pitch Competition: Host competitions to incentivize innovative sustainable business ideas with potential funding and support for implementation.

6. Collaborative Engagement:

-Community Partnerships: Collaborate with local enterprises, NGOs, and government bodies on joint sustainability projects, research, and community development initiatives.

-International Exchanges: Establish academic exchange programs to facilitate global collaboration on sustainability research and practices.

7. Community Outreach and Service:

-Cleanup Campaigns: Organize regular volunteer events targeting local environmental restoration activities.

-Educational Outreach: Implement programs where students educate local school children on sustainability through interactive activities and workshops.

-Sustainability Club: Support a university-based sustainability club to foster peer engagement, resource sharing, and collective action.

These initiatives aim to enhance campus sustainability, foster experiential learning, strengthen community ties, and align institutional practices with broader environmental objectives. The SDM-C's ongoing and planned activities support these goals, emphasizing research, capacity building, and innovative collaboration, with active member participation to maximize impact and sustainability literacy.

4.4 GU - SDM-C | Samples/ Indicative List of Research Relevant to Sustainability | Database.

(2024). Sustainability in E-Commerce: Green Practices and Their Influence on Digital Trade. The 1st International Conference on Digital Law and Technological Advancements (ICDLTA2024), Gulfuniversity, Bahrain.

(2024). Sustainable Development Goals (SDGs) in the Domain of International Environmental Law. Business Sustainability with Artificial Intelligence (AI): Challenges and Opportunities, 2, 621-629. Gulfuniversity, Bahrain.

(2024). Remarks on Sustainable Tourism. Business Sustainability with Artificial Intelligence (AI): Challenges and Opportunities, 2, 153-161. Gulfuniversity, Bahrain.

(2024). *Navigating the Future: The Role of SDGs in Enforcing Sustainable Development Principles. Business Sustainability with Artificial Intelligence (AI): Challenges and Opportunities*, 2, 639-646. Gulfuniversity, Bahrain.

5. Conclusion:

This report highlights the SDM-C's significant contributions to Gulf University's strategic focus on sustainability. The university offers sustainability courses across all programs, emphasizing interdisciplinary and collaborative projects that encourage dialogue and intercultural understanding. Various Centers and Units, including the Sustainability and Development Makers Center, the Community Engagement & Continuous Learning Center, and the Community Service Committee, actively support professional development activities related to sustainability and entrepreneurship. The university's strategic direction prioritizes sustainable practices, diversity, community engagement, and global environmental issues. It continuously develops activities, collaborations, and competitions at local, regional, and international levels to promote sustainable education and opportunities for all. Additionally, efforts are made to transform the campus into an accessible and adaptive environment, enhancing campus life and fostering lifelong learning.

Elaborate on this: This report highlighted the SDM-C's significant contributions to Gulf University's strategic focus on sustainability. It emphasizes all sustainability efforts across all university actions and initiatives, emphasizing interdisciplinary and collaborative projects that encourage awareness and engagement. Various Centers and Units, including the Sustainability and Development Makers Center, the Community Engagement & Continuous Learning Center, and the Community Service Committee, actively support professional development activities related to sustainability and entrepreneurship. The university's strategic direction prioritizes sustainable practices, diversity, community engagement, and global environmental issues. It continuously develops activities, collaborations, and competitions at local, regional, and international levels to promote sustainable education and opportunities for all. Additionally, efforts are made to transform the campus into an accessible and adaptive environment, enhancing campus life and fostering lifelong learning.

SDM-C

College of Engineering | Gulf University.

July, 2025.

Dr. Omar Blibech

Director | Sustainability and development Makers Center.

