

Gulf University's

# THE SUSTAINABILITY REPORT



**2022-23**



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## **Sustainability & Development Makers Center**

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- 2. SDM-C: Information, Initiatives & Projects**
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## Summary

### The Achievement Report for the current academic year



## Training Sessions

### Organizing Number of Paid Workshops

The paid training courses delivered by Dr. Mona Janahi entitled “The professional development of early childhood teachers in the light of contemporary trends. The aim of this course was to increase the awareness of teachers in how they can Identify the behavioral problems that children fall into at the pre-school stage, their causes, and find the best solution that can solve the problems.



### Organizing Number of Unpaid Workshops

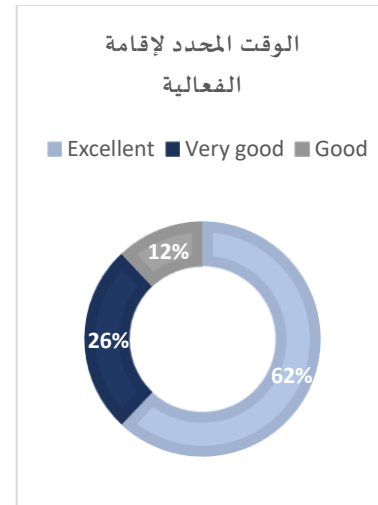
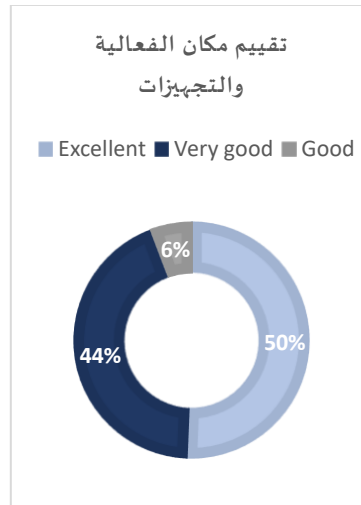
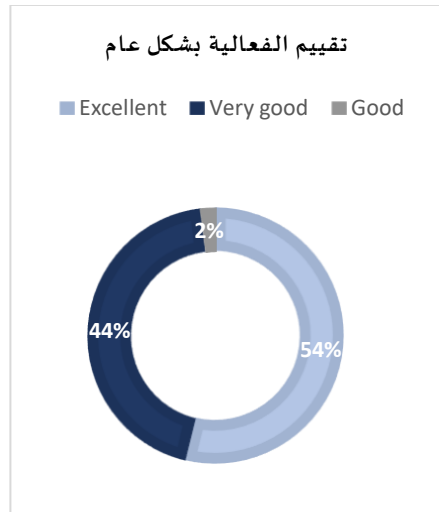
The Community Engagement and Continuing Education Centre at Gulf University organized a series of unpaid workshops covering various fields, including News Writing Skills, Montage on Premiere, Network Marketing Strategies, Employing Digital Content Production Tools through Social Media Platforms, Crisis Management, Photography and Montage with a Mobile Phone, PCB Design, Introduction to Software and Hardware used by Electrical and Electronic Engineers, News Montage using Final Cut, Managing Marketing Content on Social Media, Stress Management Techniques, Fundamentals of Digital Image Processing, and Etiquette Skills, Protocol, and Mechanisms for Dealing with VIPs. These workshops were conducted for the benefit of the local community.

The workshop series commenced with "News Writing Skills," led by Dr. Abdullah Altaher in February 2023, and concluded with "Etiquette Skills, Protocol, and Mechanisms for Dealing with VIPs," conducted by Dr. Shafeeq Al-Samarai and Dr. Mohammed Refaat on June 14, 2023.

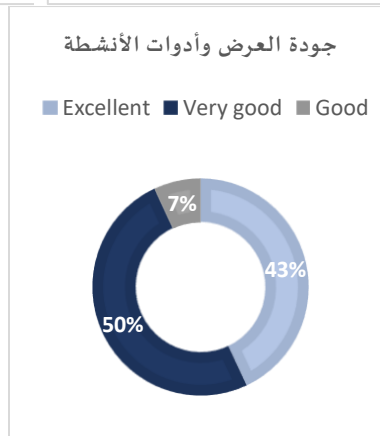
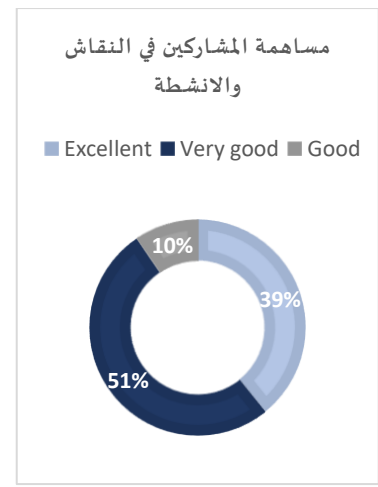
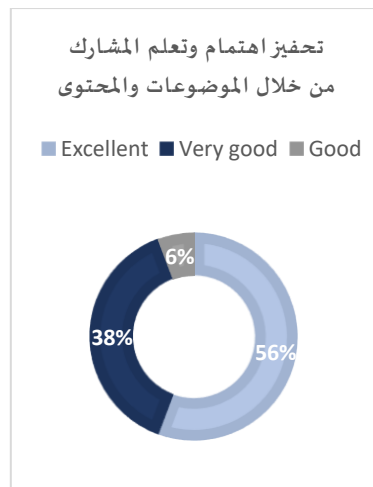
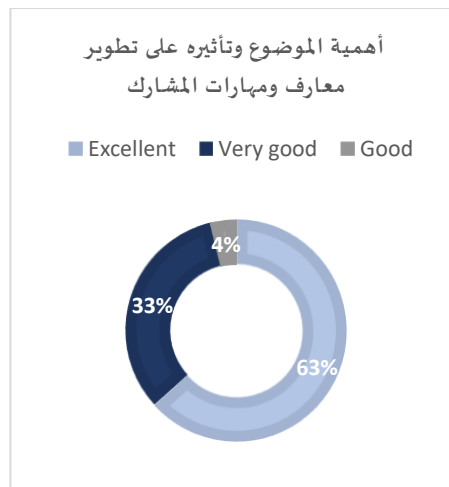
A total of 273 participants from various local institutions attended the 18 workshops. Their feedback and responses were overwhelmingly positive, expressing satisfaction with the content, delivery, and overall experience of the workshops. The participants appreciated the knowledge and skills gained, highlighting the practical applicability of the workshop topics to their respective fields. The workshops were praised for their interactive nature, allowing participants to actively engage, share experiences, and collaborate with fellow attendees. The valuable insights and networking opportunities provided by the workshops were highly valued by the participants, who

expressed their gratitude for the Community Engagement and Continuing Education Centre at Gulf University for organizing such impactful and beneficial workshops.

### General



### The content

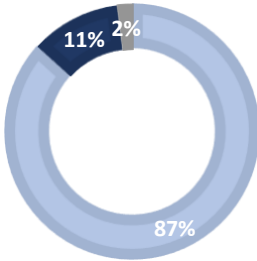




## The Trainer

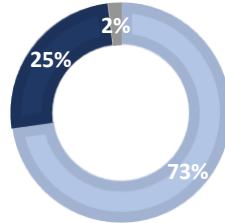
اداء وخبرة المتحدث/المدرّب

■ Excellent ■ Very good ■ Good



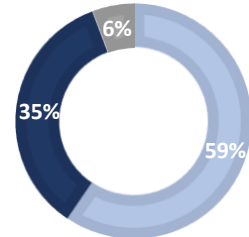
دقة المتحدث/المدرّب وإدارته  
للوّقت بفاعلية

■ Excellent ■ Very good ■ Good



التفاعل بين المتحدث/المدرّب  
والمشاركين

■ Excellent ■ Very good ■ Good







### Breast Cancer event

The Community Engagement Centre, in collaboration with SSU and the Student's Council, orchestrated a meaningful awareness event titled "Her Fight Is All of Ours." This impactful gathering, held on October 30, 2022, aimed to foster unity and raise awareness about the critical significance of early screening and detection.



## Martyr's Day

The Community Engagement Centre, in collaboration with SSU and the Student's Council, orchestrated an event to commemorate Martyr's Day. Prof. Mohanad Ismael Ibrahim Al Fira, the esteemed president of Gulf University, along with academic staff and students, actively participated in this meaningful occasion held on December 17, 2022. Martyr's Day is an annual celebration at G U, dedicated to honoring the brave individuals who made the ultimate sacrifice for the Kingdom of Bahrain and its people.





### Afforestation Day

The Community Engagement Centre, in collaboration with SSU and the Student's Council, organized Tree Day, a significant event aimed at environmental conservation. Prof. Mohanad Ismael Ibrahim Al Fira, the esteemed president of Gulf University, along with academic staff and students, actively participated in this tree planting exercise held on December 3, 2022. As part of GU's ongoing commitment to mitigate the adverse effects of climate change, the university conducts this annual event to preserve the environment. Over 900 plants were planted, fostering a higher level of awareness and responsibility among GU members and the wider community.





### Sport Day

Dr. Mohammed Dawwas, representing the Community Engagement Centre, joined forces with SSU and the Student's Council to orchestrate a Sports Day at the university. The primary objective of this event was to encourage physical activity and cultivate a strong sense of community among the student body. The Sports Day offered a platform for students to participate in a wide range of sports and recreational activities, promoting a healthy and active lifestyle.









### The Beach Clean-Up Event

Gulf university presented by Dr. Mohammed Dawwas, SSU, and Student's council organized The Beach Clean-Up Event in collaboration with SSU and Student's Council on 02/03/2023 at 10:00 AM to 12:00 PM. The aim of this event is to not only clean up the beach but also to raise awareness about the importance of keeping our environment clean and free from litter to give back to our community and to work together towards a common goal.



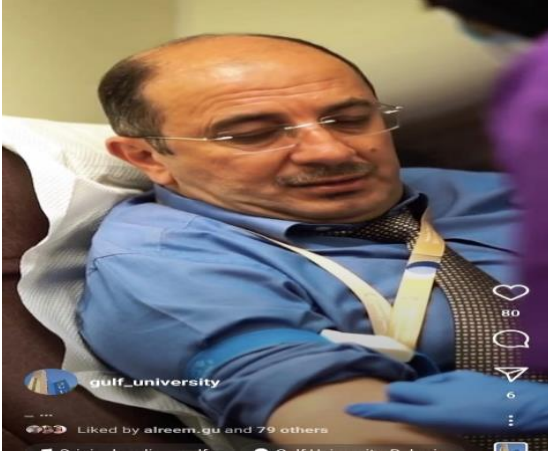




### The Blood Donation Drive Event

Community engagement and continuing education Centre, SSU, and Student's council organized a blood donation drive in collaboration with King Hamad University Hospital on Sunday 05/03/2023 at 08:00 AM to 01:00 PM. The aim of this event was to increase the awareness of the staffs and students about the blood donation campaign which considered as one of the noblest deeds that a person can do to save someone's life who are suffering from serious illnesses or injuries.





### Iftar Saem in Ramadhan

Gulf University presented by Dr. Mohammed Dawwas, Dr. Rumpa Roy, Dr. Baligh Beshr, Dr. Tamer Alkadash, Dr. Walid Elfezzani, SSU, and Student's council organized a volunteer event to distribute iftar meals on Sunday 23/04/2023. This initiative aims to spread love and kindness among the community during this blessed month, and also help us build a strong relationship with the local community. The campaign was focused on bringing Iftar meals to those in need and ensuring that, irrespective of one's financial status, everyone had access to a proper and balanced meal.







## Orphan Day

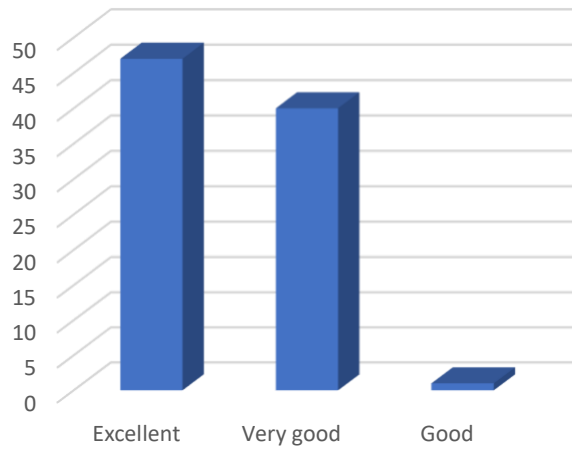
Community engagement Centre presented by Dr. Mohammed Dawwas, SSU, and Student's council organized Orphan Day on May, 04th, 2023. The aims of this event was to achieve several objectives, which may include raising awareness about the plight of orphans and their needs, encouraging the community to support them, and highlighting the role of organizations and individuals in improving their welfare.



### Stop Smoking Event



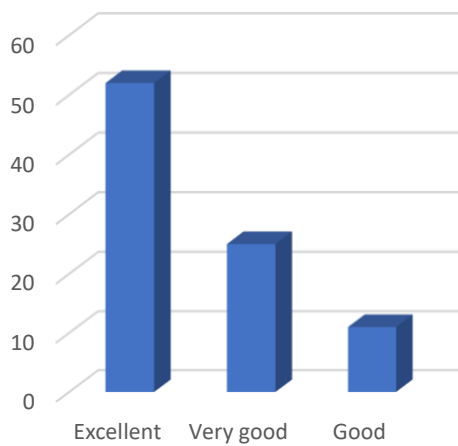

تقييم الفعالية بشكل عام



تقييم مكان الفعالية



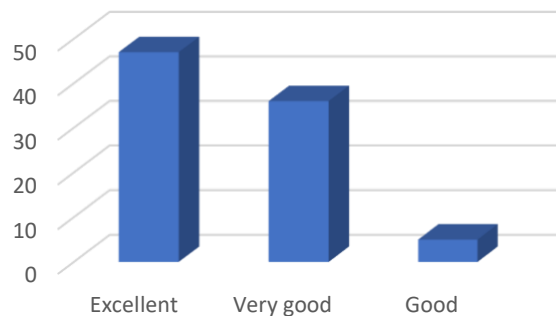
الوقت المحدد لإقامة الفعالية



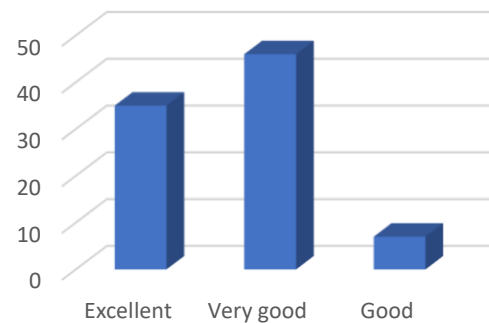
مساهمة المشاركين في النقاش والأنشطة



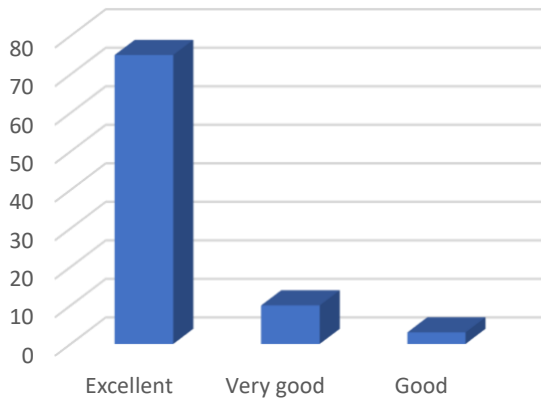
ما مستوى تأثير الفعالية على سمات العمل  
الجماعي لديك



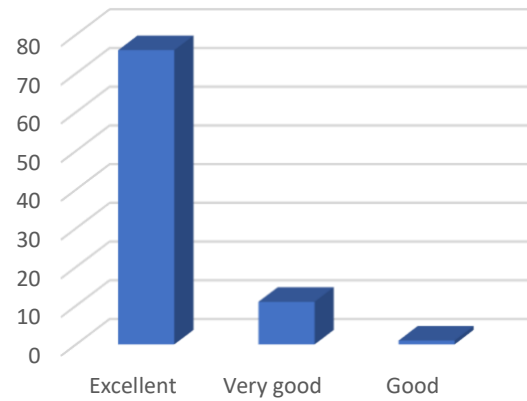
تأثير تلك الفعالية على مهارات الابداع  
لديك



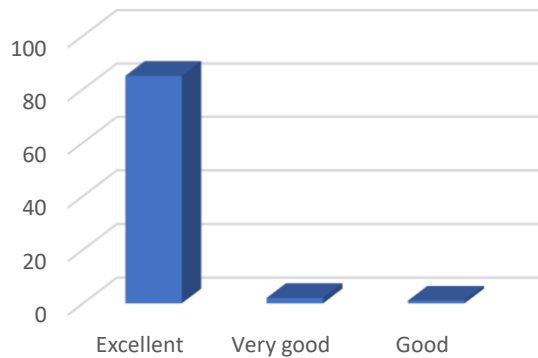
مستوى تأثير الفعالية على تنمية روح المبادرة  
عندك



تأثير الفعالية على مهارات الاتصال  
والتواصل لديك



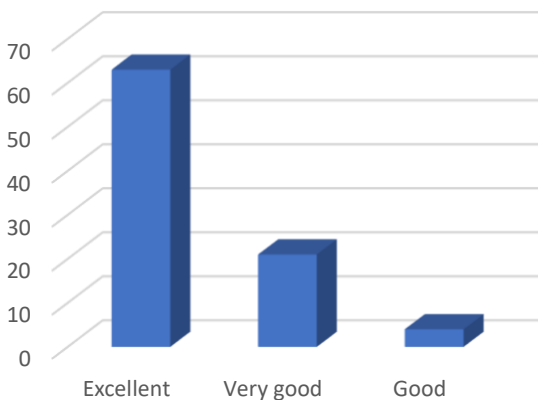
تأثير تلك الفعالية على قدرتك على تحمل  
المسؤولية



تأثير تلك الفعالية على روح القيادة عندك



تأثير الفعالية على قدرتك على التكيف و  
التعلم المستمر



تنمية المسؤولية الاخلاقية تجاه المجتمع







## Industry Relations

### Sign Memorandum of Understanding

In a significant development, the Community Engagement and Continuing Education Centre, represented by Dr. Mohammad Dawwas, Director of GU's Community Engagement, collaborated with esteemed Deans from various colleges, including Dr. Sherif Badran, Dean of Mass Communication College, and Dr. Osama Al Rawi, Dean of the Engineering College, to sign memorandums of understanding (MoUs) with several local institutions. These institutions include ITQAN Development Company, FABLAB Bahrain, Bahrain Society of Engineers, Uni Training Institute, Bahrain Cinema Association, and London Training Center. The primary objectives of these MoUs are to establish a collaborative framework, cultivating a robust and mutually beneficial relationship. Through these partnerships, the university gains privileged access to valuable resources and expertise within the local community institutions, thereby facilitating research opportunities, practical training, and community-based projects. Simultaneously, the local community institutions benefit from the academic knowledge and intellectual capital of the university, enhancing their programs, services, and overall capacity. By formalizing these partnerships through MoUs, the university and local community institutions can effectively collaborate to address local challenges, promote knowledge exchange, and positively impact the development and well-being of the community.





## Memorandum of Understanding in upcoming days

### Ministry of Interior Visit

The Community Engagement and continuing Education Centre represented by Dr Mohammad Dawwas, Director of GU'S Community Engagement and Continuing Education Centre, and Dr. Sherif Badran, Dean of Mass Communication College, Dr. Naglaa Elgammal, the Head of Mass Communication and Public Relation Department, received major Mr. Ahmed Ibrahim Al-Dakhil from Ministry of interior. Mr. Ahmed Ibrahim Al-Dakhil discussed means of cooperation and memorandum of understanding between the University and Ministry of interior during the coming period.

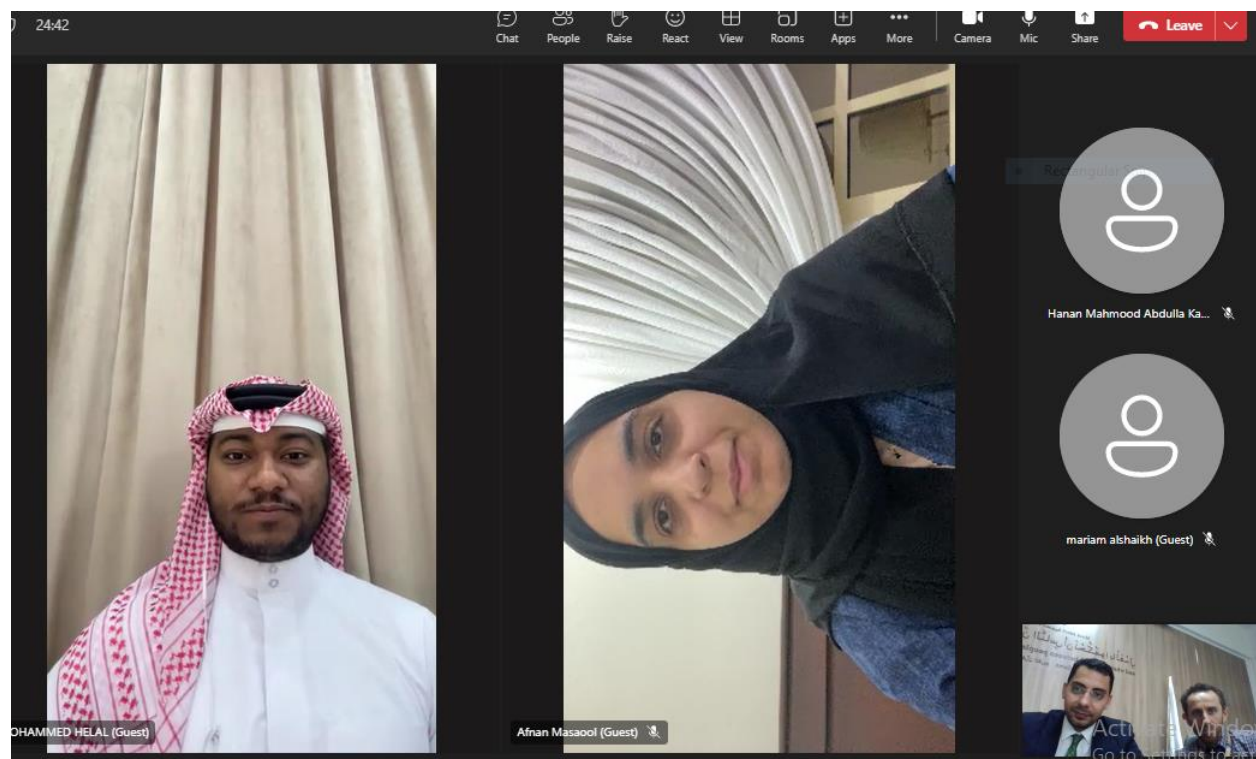


## Community Engagement Centre visited Open Prisons and Alternative Penalties

As part of the initiatives of the Community Engagement Centre at GU, Dr. Mohammed Dawwas, the Director of the Community Engagement and Continuing Education Centre, paid a visit to the Open Prisons and Alternative Penalties. The purpose of the visit was to discuss the services provided by Gulf University, including workshops and initiatives that benefit the staff and beneficiaries of the prisons. During the meeting, fruitful discussions took place regarding potential collaboration and the establishment of a memorandum of understanding between both parties in the near future.

### “AIN” initiative Team visit (25/06/2023)

Dr. Mohammad Dawwas, Director of GU's Community Engagement and Continuing Education Centre, along with Dr. Mahmoud AlZgool, the Head of the Administrative Science Department, welcomed a delegation of participants from the Youth Leader initiatives. These initiatives, organized by the Good Word Society and Arab Planning Institute in Kuwait under the patronage of HH Sheikh Isa Bin Ali Al Khalifa, focused on addressing visual pollution. During the meeting, both parties engaged in discussions on potential collaboration and the establishment of a memorandum of understanding in the near future.

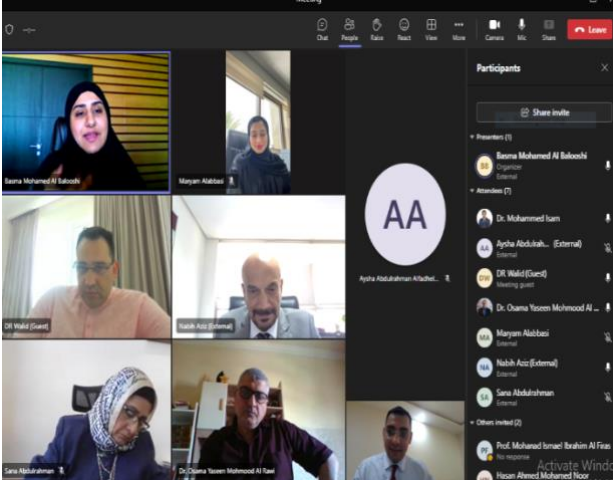


### Nasser Vocational Training Center (NVTC) (14/02/2023)

As part of the Community Engagement Centre's initiatives at GU, a delegation consisting of Prof. Dr. Mohanad Ismael Ibrahim Al Fira (The President of Gulf University), Dr. Mohammed Dawwas



(Director of the Community Engagement and Continuing Education Centre), Dr. Osama Al Rawi (Dean of the Engineering College), and Dr. Walid Elfezzani (Head of the Electrical & Electronic Engineering Department) visited the Nasser Vocational Training Center (NVTC). The purpose of the visit was to understand the training needs and specific requirements of NVTC, with the aim of developing customized training programs that align with their goals. During the meeting, Dr. Mohammed Dawwas emphasized Gulf University's commitment to fostering positive change within the community through educational workshops and programs. Both parties engaged in discussions to activate a memorandum of understanding, signifying their intent for future collaboration.



## Pro Cloud Visit

Dr. Mohammad Dawwas, Director of GU's Community Engagement and Continuing Education Centre welcomed a delegation of participants from the Pro Cloud Company. During the meeting,

both parties engaged in discussions on potential collaboration and the establishment of a memorandum of understanding in the near future.

## Resource, Materials, and facilities

As a part of GU's Community Engagement Centre's ongoing initiatives, the CE Centre facilitated the utilization of university facilities by two esteemed institutions, namely Addon International Contracting Est and Inspirational Team. The underlying objective behind providing university facilities for local community institutions is to cultivate a collaborative and inclusive environment that mutually benefits all involved. By granting access to a wide array of university resources, including libraries, labs, meeting spaces, specialized equipment, and big hall, the local community institutions gain the opportunity to enhance their programs, services, and overall capacity. This collaborative effort enables the community institutions to leverage the extensive resources and expertise offered by the university, promoting knowledge exchange and fostering a culture of growth and development.

## Social Engagement

### Upskilling, Reskilling and Flexible Learning Conference

Dr. Mohammed Dawwas, (The Director of Community Engagement and Continuing Education Centre), Dr. Mahmoud AlZgool, (The Head of Administrative Science Department) and Dr. Tamer Alkadash (Chair of University Research Council) representing Gulf University, attended in the "Upskilling, Reskilling, and Flexible Learning" Conference, which took place on October 18th, 2022. The esteemed event, held under the patronage of His Excellency the Minister of Labour, Mr. Jameel Bin Mohamed Ali Humaidan, delved into pertinent topics concerning cognitive and technical skills aligned with the demands of the labor market.







## The Sixth Forum of the Royal Humanitarian Foundation under the title "Humanitarian Initiatives"

Dr. Hussian Seroor, a member of the CECE Centre, along with a group of students, participated in the Sixth Forum of the Royal Humanitarian Foundation titled "Humanitarian Initiatives." This esteemed event, held on December 12, 2022, received the generous patronage of His Highness Sheikh Nasser bin Hamad Al Khalifa, the representative of His Majesty the King for Humanitarian and Youth Affairs. The forum aimed to support Bahrain's leading role in humanitarian endeavors and emphasize the "Humanitarian Initiatives" competition, which seeks to engage all segments of society, particularly the youth, in contributing inspirational ideas to philanthropic endeavors. This aligns with the vision of His Majesty the King and the strategic vision of the foundation.







Gulf university Hosted a Lecture titled “Parental Care, Prevention, Protection, Sustainable Development, and Humanity Relief of Royal Humanitarian Foundation.”

As part of the Community Engagement Centre's initiatives at GU, the CE Centre collaborated with the Faculty of Administrative & Financial Sciences to organize a lecture titled "Parental Care, Prevention, Protection, Sustainable Development, and Humanity Relief of the Royal Humanitarian Foundation." The lecture, presented by Neila Fouad Al-Shaer, took place in the main building on December 6, 2022. It focused on highlighting the responsibilities and activities undertaken by the Royal Humanitarian Foundation in the areas of parental care, prevention, protection, sustainable development, and humanity relief.





### Bahrain National Day

Gulf University, represented by Prof. Mohanad Ismael Ibrahim Al Fira (President of Gulf University), organized Bahrain National Day on 14 December 2023. The aim of this day is to commemorate the country's independence and highlight its rich heritage, culture, and national pride. It serves as a time to honor the unity, progress, and achievements of the Bahraini people, as well as to showcase the nation's history, traditions, and accomplishments.







### Bahraini Women Day

Gulf University, represented by Prof. Mohanad Ismael Ibrahim Al Fira (President of Gulf University), Dr. Mohammed Dawwas (Director of Community Engagement Centre), Dr. Tamer Alkadash (Chair of University Research Council), and Mr. Baraa Al-samarai (Head of Admission and Registration), organized Bahraini Women's Day. As part of the event, they chose one student from a pool of 13 nominees to serve as the university president for a day. In addition, Prof. Dr. Mohanad Ismael Ibrahim Al Fira honored the women staff at Gulf University. The purpose of this event is to acknowledge and commend the achievements of Bahraini women in diverse fields and sectors, and to provide a platform for promoting gender equality, empowering women, and emphasizing their vital role in the development and advancement of Bahraini society, and to inspire and motivate women to persist in making substantial contributions to the nation's prosperity and progress.







### Isa Award for Service to Humanity.

Gulf University presented by Prof. Mohanad Ismael Ibrahim Al Fira, the president of Gulf University, Dr. Zuhair, Dr. Mohammed Dawwas, Dr. Mohammed, Dr. Tamer and Dr. Mujeeb attended the event of Isa award for service to humanity. This prize is to recognize individuals or organizations who have made significant contributions to the service of humanity. The award aims to promote and encourage humanitarian work, and to highlight the importance of social responsibility and philanthropy.



### EU-Bahrain Conference Freedom of Religion and Belief (FoRB)

Gulf University presented by Prof. Mohanad Ismael Ibrahim Al Fira, the president of Gulf University, and academic staff at gulf university attended the EU-Bahrain conference freedom of religion and belief (FoRB) on Tuesday 02/05/2023. The primary goal of this conference is to enhance understanding, respect, and tolerance for diverse religious and belief systems, while addressing challenges and identifying ways to safeguard and promote this fundamental human right, in addition, to promote peaceful coexistence among different religious communities in Bahrain and the European Union.





## Sustainability & Development Makers Center

### 1. Introduction:

This report delivers an operative overview on the developed activities, projects, initiatives and actions of Sustainability and Development Makers Center SDM-C during the academic year 2020-2021, and essentially the defined action plans, designed goals and indicators with reference to GU vision and strategies toward global sustainable development.

With reference to policies and procedures, several meetings and work sessions related to projects' implementations (on-campus/off-campus) and collaborations at different levels, with continuous focus on all opportunities to engage various actors and stakeholders to ensure the required effectiveness and achieve the conceived objectives and intended goals.

### 2. SDM-C: Information & Initiatives:

#### SDM-C Members:

- Dr. Omar Blibech / Director of SDM-C.
- Dr. Mohamed Refaat / Media Production Center
- Mrs. Rabab Alzenji Abdulnabi

(\*). With reference to University Resolution, issued by GU President, for the Academic Year 2020-2021.

#### SDM-C Major Stakeholders

- Dr. Mohanad Ismael Ibrahim Al Firas / President
- Dr. Hesham ElMarsafawy / VP.
- Dr. Osama Al-Rawi / Dean – College of Engineering.
- Dr. Baligh Ali Hasan Beshr / Community Engagement & Continuous Learning Center
- Dr. Rumpa Roy / Quality Assurance & Development Center
- Dr. Tamer Alkadash / Chair- University Research Council
- Dr. Ahmad Mohamad Nahar Al Tawalbah / Media Production Center
- Eng. Niha Mukaddem / Lab & Teaching assistant

#### SDM-C Meetings Schedule / 2021-2022:

- 1-First Meeting: 13/10/2021
- 2-Second Meeting: 09/01/2022
- 3-Third Meeting: 25/05/2022

With reference to its mission and vision, focused on a global sustainable approach examining education, environment and community concerns, designed action plan for the SDMC during 2021-2022, considers effective continuity with defined road-map, considering collaboration with all GU Centers and Units, implemented through regular meetings, work sessions and open discussions to present innovative initiatives, experiences and thoughts about collaborations and contributions, and to co-think areas of improvement, enhancement, co-creativity and strategies regarding various multidisciplinary projects.

The Director of the Center Dr. Omar Blibech announced that in order to proceed to activating actions of the SDM-C for current academic year, the initiatives taken within the action plan development should be discussed considering vision, mission and philosophy of the SDM-C.

In addition, the designed action plan was developed considering the feasibility, effectiveness, and management of all activities of the center in alignment with university vision, mission and policies. The required documentation/Data base for the center has been initiated, such terms of reference, key performance indicators, website and visual identity. It was noticed that to achieve such development, the main focus should be placed on strategic planning that facilitate actions, collaborations & communication strategies. Thus, a drafted schedule for documentation and database was reviewed.



The benchmarking process relevant to local, regional and international experiences (i.e. Ashoka Project – UK), was considered as presented as main guidance to design a strategic plans for the SDM-C. Information meetings and open discussions were developed as a brainstorming about SDM-C philosophy and vision, with refence to benchmarked experiences, and main identified approaches. The proposals for Green Campus Project, On-Campus, off-Campus Projects, UI Green Metric Submission-World University Ranking, UNAI Academic Impact, International Rankings and regional/international collaborations, research project relevant to sustainability, participation to relevant competitions and events, Public Workshops, Forums and Innovative initiatives coordinated with GU Centers Leaders have been the major points in the SDMC action plan. The participants to SDMC meetings and work sessions have also deliberated various related points, as open discussion, with a main focus on the outputs of these activities useful for future events; such conference, seminars, symposiums... Regularly, an open discussion was developed as a brainstorming process relevant SDM-C philosophy and

vision, with refence to local and international models and experiences.

The Director of the Center has presented the activities of the SDM-C, with a focus on the planning and the coordination between the different stockholders. He has also introduced the initiated Specific Research Collaboration Project on Institutions Level between SDM-C at Gulf University and Brunel University- UK, in the area of Global Sustainable Development; about Systemic approaches in implementing interior design engineering processes in sustainable projects and relevant engineering areas about building life cycle and energy efficiency.

The main defined output is that SDM-C Action Plan should be oriented to a global vision towards education, environment, entrepreneurship, societal approaches and community concerns; so that all activities of the center will be relevant to conceived missions and conform to University strategic directions and goals. As key initiative, the University and the SDM-C have held focused meetings and work sessions to discuss UN Academic Impact progression and UI Green Metric





Submission-World University Ranking. GU President, Prof. Mohanad Ismael Ibrahim Al Firas has initiated the process of managing such challenges and considered the importance of a well-designed action plan with relevant follow-up, and he recommended a consultancy strategy to reach international standards and requirements for the mentioned projects. Based on, regular meetings, work sessions and focused follow-up was implemented.

Furthermore, formal information meetings, have been continuously coordinated between SDM-C Members and the Dean of College of Engineering Dr. Osama Al-Rawi. Such focused meetings were useful for further consideration of the major objectives of the SDMC, also for an effective coordination between the Leaders of GU Centers to constantly communicate and share their activities, actions and initiatives of their respective centers, for the current and the next academic year. The main focus was on GU Vision and strategy for efficient and impactful actions of GU Campus, Centers and Community.

Initiatives received from GU Centers have been discussed and developed; with a focus on further innovative and creative actions and proposals examining community concerns, campus development and designed goals (i.e. initiatives presented by GU Centers Leaders and SDMC members, as ideas to be designed and planned as upcoming projects. Mrs. Rabab Alzenji has proposed an initiative for a “Awareness Campaign”, towards energy saving at offices, confirming that such program will encourage campus habitants to reconsider the use of artificial light and opt for daylight. Dr. Mohamed Refaat., confirmed to opportunity to launch an initiative for a local collaborative project. The progression on the initiative towards “Organizing a Donation Program” has been focused. Thus, a designed action & campaign to cheer the students to recycle and donate old items; has been designed as community service action coordinated with Dr. Ahmad Mohamad Nahar Al Tawa bah, as director of Media Production Center, to plan and produce a media campaign with all designed audiovisual contents to promote such program).

The different stakeholders have been effectively involved in all SDMC actions, with a main focus on an effective communication, coordination and collaboration to attain required achievements and goals; considering SDM-C as umbrella for multidisciplinary actions and collaborative projects. Therefore, several events been organized, as following:

-The “**IDE International Conference**” on “Engineering and technology for sustainable architectural and interior design environments – ETSAIDE – 2022”, organized to provide a collaborative international platform for the scholars, researchers, academicians, professionals, and industrial stakeholders to share their thinking, research findings and experiences with multidisciplinary experts in sustainability areas relevant to architecture, interior design and interior built environment.



- **“The first regional forum on sustainability and community service: Models and Comparative Experiences”** The Community Engagement & Continuous Learning Center, in cooperation with the Sustainability & Development Makers Center at Gulf University have organized the as a scientific platform for the researchers and experts in community services and sustainability and highlighted most important topics and discuss the latest developments and share their experience and its impact on the community service sector.



#### Forum Vision:

The Community Engagement & Continuous Learning Center, in cooperation with the Sustainability & Development Makers Center at Gulf University have organized the “The first regional forum on sustainability and community service: Models and Comparative Experiences” as a scientific platform for the researchers and experts in community services and sustainability and highlighted most important topics and discuss the latest developments and share their experience and its impact on the community service sector.

#### Forum Goals:

- To identify the role of the community engagement & continuous learning center and the sustainability center in universities and its role in community service and supporting sustainability.
- To encourage conducting studies and scientific research on community service and sustainability within the Bahrain 2030 vision.
- To share the experiences from universities, public and private organizations in the community service field in the Arab and Gulf regions.
- To contribute to establishing the general frameworks that help in solving the social issues, and to reach the local and regional community in a fast and productive manner.
- To deal with youth issues and empower women and special needs individuals.
- To activate the role of universities and service centers towards solving social issues
- The **“Climate Champions”** Competition, organized by the HEC and the British Council in Bahrain, with an effective participation of GU Students, coordinated by the SDM-C.

-The “2nd Edition of the National Research Competition for Undergraduate Students”, with a effective participation of GU Students, coordinated by the SDM-C, by submitting a community service-centered research project.



#### 2nd Edition of the National Research Competition for Undergraduate Students

**Social innovation by interior design:  
Towards collaborative environments for community service  
in Kingdom of Bahrain.**

**Student Name: Afaf Mohamed Mahfoodh  
HEI: Gulf university**

-The “SDGs Competition” between GU Students, coordinated with the SDM-C.

-The “3Rs Workshop” at Gulf University, proposed by the SDM-C.



-The planning for GU Students participation to Competition organized by the “EEG-Emirates Environmental” Group, Dubai, November 2022.

-Representing Gulf University at all **UN Academic Impact** workshops, webinars and sessions.

-On-Campus/ Off- Campus actions & activities follow-up, with reference to SDM-C action plan.

The following information and figures, are representing a detailed description of the activities/actions mentioned above:



**Bahrain Climate Champions:  
Supporting young people to create a  
greener, more sustainable world**



Our work in arts and education

Bahrain Climate Champions

Our work in arts

Our work in education

## The "3R's" GU Workshop

Gulf University | Wednesday, November 3<sup>rd</sup>, 2022 | One Day Workshop-Based Competition.



### Towards a GU "Zero Waste" Green Campus...



- Introduction / Collective Debriefing.
- Teams Formations
- Materials Acquisition\*/Selection & Brainstorming Session.
- First design pitch & Directives.
- Idea Development & Production.
- Presentation Session/Jury.

(\*). Plastic bottles, used tin cans, plastic bags, used old Furniture, small green plants, Tools & Craft Tools .

## On-Campus/Off-Campus Actions: *In-Progress*:

### Developed Projects:

#### AREA 01. ENVIRONMENT:

- Transformation of GU building toward sustainability: Daylight entrance optimization for all spaces, energy efficiency, fabric facade.
- Green Campus: increase green areas/Green constructions/Greenhouse (local production), Green Roof.
- GU FabLab for innovative and creative projects relevant to sustainability.
- New life for 50 computers for internal use / for donation.
- Waste management and Grey water Tanks.
- Recycling.
- Nonprint Campus.
- Participation to local and international competitions/events relevant to sustainability.

### Ongoing Projects:

- Skylights for Design Studios + Solar Panels for energy efficiency.
- Lighting sensors for whole GU main building.
- Photometric sensors and windows' actuators for daylight optimization.
- Water recycling solutions; self watering systems for GU green areas.
- GU main building Green Roof.

### Upcoming Projects:

- Compactors + Composters designed and produced using recycled materials at GU.
- The "Objects' Clinic" at GU, for products' life cycle extension.
- Transport: "GU Carpooling Mobile App".

#### AREA 02. EDUCATION:

- Encouraging research and co-research projects relevant to sustainability involving instructors and students / Target for number publications.
- Sustainability course for all programs at GU; as general course for Human Resources, Business, Accounting, Media, Interior Design Engineering supporting group work/interdisciplinary approaches for collaborative projects.
- 03 courses relevant to Sustainability for IDE program; Sustainability Engineering & Design and Smart & Sustainable Interiors.

#### AREA 03. ENTREPRENEURSHIP:

- Entrepreneurship & Innovation (projects, courses, local, regional and international collaborative projects).
- Research on Green HR.
- Range of staff professional development activities relevant to sustainability.

**Research on Sustainable Projects: Initiatives and Ongoing Actions:**

- Proposed - Fabric Facade Project(testing, analysis, simulation, experiments, validation software...ext.); the proposal presented by the Netherlands consultant partner,
- Proposed - Ongoing Green corridors.
- Proposed - Greenhouses between the Design Studios.
- Proposed - Ongoing Green Roof Project.
- Proposed - Ongoing Main Entrance Green Lobby.

**Aims and objectives:**

- Optimizing energy efficiency, designing efficient daylighting systems, developing water recycling solutions and considering “GU building” life cycle assessment based on scientific research.
  - Make the GU building landmark in the surrounding socio-cultural environment.
  - Develop new architectural style more attractive and sustainable to increase the number of registered students.
  - Provide a positive impact of the campus interior environments on the wellbeing and comfort of both staff and the students.
  - Creating a scientific value for the statistic data available about the implemented solutions for thermal insulation, cooling loads & natural ventilation, insulating materials currently used at GU buildings, and self-sufficiency solutions.
  - Real sustainable practice implementation on the campus facilities and build environments.
  - Supporting research collaboration at institutional levels (initiated research collaboration with Brunel University – UK).
- The expected research collaboration could be in terms of:
- Co-development of the required testing & experiments and validation of the simulations phase.
  - Proposed ideas for the technical installation and feasibility studies.
  - Collaboration on the implementation phase and research on relevant engineering processes.
  - Publish research based on the implemented processes, selected projects and technologies employed.



## Number of courses or modules related to environment and Sustainability offered in GU in the year 2022-23

#	Course Title	Notes [Provide the details of the number of modules (i.e. Lesson) focusing on sustainability]
1	<b>Sustainability SUS301 (University Course in all Programs)</b>	This course focuses on the concept and pillars of sustainability namely: environment, society, economic and governance. Students from different disciplines will be encouraged to identify sustainability challenges and engage in creative and innovative solutions towards these challenges. The course provides understanding of how to meet present human needs as individuals and communities, keeping in mind the needs of future generations.
2	<b>Principles of Economics (ECO101A)</b>	<ol style="list-style-type: none"> <li>1. The concept of sustainability, its dimensions, and components</li> <li>2. Sustainable development, and its importance for developing countries.</li> <li>3. The relationship between sustainable development and the knowledge economy considering the lofty vision 2030 of the Kingdom of Bahrain</li> <li>4. The role of media in promoting and consolidating the concept of sustainability from the perspective of the economy of the Kingdom of Bahrain (Research)</li> <li>5. (6 Hours)</li> </ol>
3	<b>Economy and Society (LAW123A)</b>	<ol style="list-style-type: none"> <li>1. The impact of sustainable development on the economies of the Gulf Cooperation Council countries</li> <li>2. The concept of sustainability, its dimensions, and components</li> <li>3. Sustainable development and omnivorous food famine threatening the world. View and processors (Research report) (ASSIGNMENT)</li> <li>4. Sustainable Development and the vicious cycle of Poverty, problems and solutions (Research report)</li> <li>5. (4 Credit Hours)</li> </ol>
4	<b>Sustainability Engineering and Design (ENGI351)</b>	The course sustainability engineering & design covers sustainability engineering, resources and energy use, renewable energy, the construction industry, and environmental impacts in sustainable development. It focuses on three sustainability elements: social (ensuring future quality of life), economic (creating value equitably), and environmental (maximizing natural energy benefits while minimizing negative impacts). Students learn life cycle design, assessment methods, and passive/active design strategies for energy conservation in built environment. (3 Credit Hours)
5	<b>Smart and Sustainable Interiors (ENGI452)</b>	This course enhances students' understanding of sustainability principles in interior design for the modern era. They learn to incorporate smart and sustainable design solutions that consider advanced technologies, digitalization, and engineering innovations. Topics covered include building automation, smart appliances, nanomaterials, and domotic products. The course explores alternative sustainable applications, considering factors like health, productivity,

		life cycle design, biomimicry, smart control systems, instrumentation, IoT, and smart materials. (3 Credit Hours)
6	<b>Transportation within Interior Environments (ENGI373)</b>	This course covers engineering knowledge related to transportation systems in buildings, including both horizontal and vertical movements/systems. It explores detailed engineering considerations for each system, such as components, standards and codes, health and safety, mechanical aspects, fabrication and installation, and monitoring technologies. The course introduces students to the development of alternative transportation systems for various interior built environments, such as residential, commercial, and healthcare settings. It addresses engineering studies related to interior flows, traffic planning and control, equipment selection, and necessary specifications for constructing and installing the system. The course focuses on solving circulation problems while considering factors like space, function, structure, users, special needs, engineering standards, safety constraints, energy-saving measures, sustainability, innovative technologies, and principles of engineering drives and traffic control. (3 Credit Hours)
7	<b>Human Factors in Design INDE131</b>	This course covers, the basic theories of human preferences and behaviors in outdoor and interior spaces with a focus on the consideration of these aspects while designing interior space. The course also deals with a range of topics to develop understanding and anamneses of human perceptions and cognition of interior spaces as well as attitudes of individuals and groups in various types of built environments. The role of the interior designer in developing the human lifestyle, wellbeing, safety, sustainable and healthy communities is emphasized. (3 Credit Hours)
8	<b>Professional Practice and Ethics INDE441</b>	This course covers professional practice and ethical considerations in the field of interior design. It addresses topics such as workplace accountability, professional relationships with colleagues and clients, responsibilities towards the community, society, and sustainability, as well as legal and administrative aspects. The course also explores lifelong learning approaches, including launching business practices, contracting, surveying, and developing business strategies. Students gain familiarity with budgeting, forecasting, estimates, tendering, purchasing, and relevant project management processes. They learn to collaborate with engineers, contractors, producers, suppliers, and other professional stakeholders. (3 Credit Hours)
9	<b>Media Citizen and Community Development (COMM422A)</b>	This course covers topics like the origins and development of citizen media, such as citizen-produced, civic, or participatory media. The learners would learn about citizen media forms, including blogs, vlogs, podcasts, digital storytelling, participatory videos, and community radio. This course will also focus on citizen media roles in developing communities and promoting issues such as sustainability, economic development, and social capital growth. This course will consist of both theories and practical applications. This course will develop critical thinking and civic sense in learners. By the end of this course, students

		will produce forms of blogs, vlogs, podcasts, digital storytelling, participatory videos, and community radio. (3 Credit Hours)
10	Media industry economy and sustainability (COM503A)	This course explores the transformation of media into an economic industry governed by macro and microeconomics. It covers sustainability concepts, economic feasibility, costs and returns, financing and planning tools, and their application in the media sector. The course also examines the impact of modern media tools on the transition to a knowledge economy, sustainable development, and building an environment-friendly economy. It focuses on the role of modern technologies in driving economic development towards desired goals, aligning with Bahrain's economic vision and the United Nations' sustainable development goals. The course also considers the interaction of the local economy with regional and international transformations, creating economic relationships and facilitating service and commodity exchange, and analyzes their impact on society and the environment. (3 Credit Hours)
11	Principles of Marketing (BUSS221)	The course can delve into consumer attitudes and behaviors towards sustainable products and how marketers can leverage this information to create more sustainable offerings. It can cover concepts such as ethical consumerism, conscious consumer decision-making, and the impact of marketing on sustainable purchasing choices. The course can explore how companies can develop marketing strategies that promote sustainability. This could include topics such as green marketing, socially responsible advertising, and sustainable product development. (3 Credit Hours)
12	Media Campaigns (PRL PRL487A)	This course deals with the concept of awareness campaigns in general, which encourage the public to accept important social ideas in general, and in Bahraini society in particular. Among the campaigns that were implemented within the framework of this course were: environmental preservation, sustainability, <i>rationalizing the use</i> of water resources, <i>electricity</i> and natural resources, recycling waste, promoting afforestation and agriculture in front of houses, food security, and many other awareness campaigns that have already been implemented in this course during the last 5 years and are related to sustainability issues. (3 Credit Hours)
13	Developmental Communication (COM303A)	This course covers development concepts, theories, and characteristics, as well as developmental communication concepts, traits, components, and theories. It explores the role of Bahraini media in promoting development plans and emphasizes media's social responsibility in raising awareness of sustainable development, enhancing cultural and political development, shaping public opinion, and supporting Bahrain's 2030 development plan. (3 Credit Hours)
14	Occupational Health Psychology	The industrial psychology course is concerned with the application of psychological theories and principles to organizations. It focuses on increasing efficiency, productivity, and related issues as the physical and mental well-being of employees at industrial organizations.



15	Physical Hazards and Control	Besides focusing on the basic information of the physical hazards in occupational settings. Throughout this course, the student will learn what are the different types of physical hazards. He will also learn what are the main sources and the health risks associated with these hazards in occupational settings. Additionally, he will learn how to measure exposures and implement controls to physical hazards according to local and international occupational standards and guidelines.
16	Health, Safety and Environmental Management Systems	The course introduces the principles of applying a system that implements the Health, Safety and Environmental policy. Identify the Health, Safety and Environmental Management Systems (HSEMS), Policy & Leadership, Risk Assessment, Strategic Planning, Goals & Objectives, Legal Requirements & Standards of Operation, Nonconformance Investigation & Corrective Action Awareness, Training & Competency, Audits, and Review. Demonstrates how the HSEMS can systematically identify, assess and manage the operational risks to employees, contractors, stakeholders, business and the environment. Explains the methodologies of HSEMS in providing on-going identification, prioritization and control of risks and maintaining a continuous improvement for the HSE in the organization.
17	Occupational Risk Assessment	The course introduces the concepts and general principles of risk analysis, assessment, and management as required for effective occupational health and safety practice. The course discusses the qualitative risk identification methods and quantitative risk assessment methods and techniques. It also explains in a detailed approach to the risk management strategy and the process of managing risks in different workplace environments.
18	Environmental Impact Assessment	This course introduces a systematic process for predicting and evaluating significant environmental consequences of proposed actions. Its goal is to equip students with the latest knowledge and guidelines to conduct environmental impact assessments (EIA). The course covers the evolution and current status of EIA, legal frameworks, concepts, processes, and principles. It focuses on the science and technical aspects of EIA at the project level while also considering factors like resource availability and political constraints. The ultimate objective of the course is to enhance environmental protection through EIA.
19	English For Specific Purposes Writing Essentials: English for Academic Purposes	Unit (1) in English for Academic Writing has covered the topic of Renewable Energy (RE). It comes to focus on different clean resources of energy namely: solar, wind, hydropower, and biomass, geothermal and tidal energy. The main goal, here, is to inform the students of the importance of shifting from fossil fuels energy to renewable resource of energy. One reason for is the RE is more friendly to environment. The second reason is that RE provides abundant and constant sources of energy.
20	Introduction to Sharia (LAW113A)	The sustainability and environmental stewardship is been covered in this course, as Islam emphasizes the responsible use of resources and the preservation of the environment.

21	International Organizations	This course cover the topics such as sustainable development goals, environmental protection, climate change mitigation and adaptation, and the role of international organizations in promoting sustainability.
22	Ethics and Practices in Legal Profession (LAW412A)	This course covers the role of lawyers in advocating for sustainable practices.
23	Human Rights (LAW453A)	This course, contain a module on the impact of environmental degradation on the enjoyment of other human rights may be discussed.
24	Building Regulation and Legislation (LAW446A)	The course include modules on energy efficiency requirements, green building standards, environmental impact assessments, renewable energy integration, and sustainable construction practices
25	Real Estate- Planning and Development (LAW343A)	The module covered include legal requirements for sustainable site planning, green building practices, energy efficiency, renewable energy integration, sustainable land use and zoning, environmental impact assessments, and sustainable development frameworks and certifications.
26	Sustainability & Environment Legislations (LAW324A)	The course "Sustainability & Environment Legislations" is designed to provide students with an understanding of the legal frameworks and regulations related to sustainability and the environment. It explores the laws and policies that govern environmental protection, natural resource management, and sustainable development.
27	Building components and system (ENGI171)	The topics covered are: Energy-efficient building systems; Water-efficient systems; Sustainable materials and construction techniques and Indoor environmental quality
28	Modern & Contemporary Design (INDE331)	The modules in this course covers: <ul style="list-style-type: none"> <li>• Sustainable design principles</li> <li>• Eco-friendly materials</li> <li>• Green building design</li> <li>• Sustainable product design</li> <li>• Social and cultural sustainability</li> </ul>
29	Historical styles in Architecture & Design (INDE231)	The course on "Historical Styles in Architecture & Design" include module on vernacular architecture, historical examples of sustainable design, buildings and design elements that incorporated sustainable principles such as passive heating and cooling techniques, natural lighting, and efficient use of materials. The module will also delve into sustainable approaches to the restoration and adaptive reuse of historical structures, considering preservation, energy efficiency, and environmental impact.
30	Principles of Management	The Principles of Management course include sustainability modules focusing on sustainability practices and principles. This course aims to provide students with a comprehensive understanding of management concepts while emphasizing the importance of environmental, social, and economic sustainability.
31	Smart and sustainable interiors (ENGI452)	The course on Smart and Sustainable Interiors covers integrating smart technologies and sustainable practices into interior design projects, with an emphasis on reducing environmental impact and promoting energy efficiency.

32	Advanced Healthcare Design (INDE417)	This course, contain module on sustainability by introducing the sustainable design principles that promote environmentally friendly practices in healthcare facilities. This include strategies for energy efficiency, water conservation, use of renewable materials, and waste management. Energy-efficient equipment, waste reduction, recycling programs, and environmentally conscious procurement practices. Indoor air quality, natural lighting, acoustics, and access to nature, recognizing the impact of a sustainable and healing environment on patients and staff.
33	Color and Lighting Design (INDE213)	The module covers: Energy-efficient lighting design; Daylighting and natural lighting; Sustainable materials and finishes; Human-centric lighting etc.
34	Transportation within Interior Environments (ENGI373)	The module covers topic like: <ul style="list-style-type: none"> <li>• Efficient transportation systems</li> <li>• Sustainable materials and finishes</li> <li>• Energy-efficient lighting and HVAC systems</li> <li>• Accessible and inclusive transportation design</li> </ul>
35	Sustainability Engineering and Design (ENGI351)	The course covers sustainable design principles, renewable energy systems, materials selection, life cycle assessment, and environmental impact analysis. Students learn to apply sustainable engineering strategies, create eco-friendly solutions, and gain practical skills through case studies and hands-on projects. Ideal for professionals seeking to enhance their knowledge in sustainable practices and contribute to a greener future.
36	Light Frame Construction for Interiors (ENGI475)	The module cover: The efficient use of materials; Energy-efficient design; Recyclability and end-of-life considerations; Indoor environmental quality; Life cycle assessment and assessing the life cycle impact of light frame construction materials and processes which provide insights into their environmental footprint.
37	Sustainable Business Practices	This course aims to provide students with an understanding of how businesses can align economic success with environmental stewardship and social responsibility.
38	Business Law (BUSS202)	The module covers topics like: Environmental regulations; Corporate social responsibility (CSR); Sustainable business practices; Investor expectations
39	Diversity at Workplace (BUSS341)	The module covers topics like; Social sustainability, Environmental justice, Sustainable development goals (SDGs) and Ethical considerations.
40	Financial Reporting (ACCO342)	A Financial Reporting course contain modules on introducing sustainability reporting frameworks such as the Global Reporting Initiative (GRI) or the Sustainability Accounting Standards Board (SASB) standards. Non-financial disclosures in financial reports, addressing topics like environmental impacts, social responsibility initiatives, and governance practices. How sustainability practices can impact financial performance, examining factors such as the recognition of environmental liabilities or the evaluation of intangible



		assets related to social responsibility. Stakeholder analysis, highlighting the importance of identifying stakeholders interested in sustainability information, such as investors, regulators, customers, and others who consider sustainability factors in their decision-making processes.
41	Environment Accounting (ACCO345)	The course Environment Accounting focuses on the measurement, analysis, and reporting of environmental costs and impacts within an accounting framework.
42	Human Resource Management (HRMN251)	The modules of the course covers: <ul style="list-style-type: none"> <li>• Sustainable HR practices</li> <li>• Corporate social responsibility (CSR)</li> <li>• Employee engagement and sustainability</li> <li>• Sustainable talent management</li> </ul>
43	Bahrain Labor Law (LAWL352)	The module covers topics like; occupational health and safety, Employment practices, Working hours and rest periods, Wage and compensation
44	Small Business Management (BUSS301)	The module covered are, Sustainable business practices, Environmental considerations, Social responsibility, Regulatory compliance and Sustainable marketing and consumer preferences
45	Corporate Social Responsibility (HRMN338)	The course Corporate Social Responsibility (CSR) covers the voluntary actions and initiatives undertaken by companies to consider and address their impact on social, environmental, and economic aspects. Sustainability is a core principle within CSR, as it focuses on meeting present needs without compromising the ability of future generations to meet their own needs.
46	Business Ethics (BUSS201)	The modules include corporate social responsibility, environmental ethics, ethical considerations in sustainable business practices, stakeholder engagement, and the ethical implications of sustainable development.
47	Innovation and Entrepreneurship (ADM301)	The modules in the course include sustainable business models, social entrepreneurship, eco-innovation, sustainable product design, green technologies, sustainable supply chains, and the integration of sustainability principles into entrepreneurial ventures.
48	Graduation Projects	The graduation project in GU promotes students to take project from their field or discipline (such as law, engineering, business, or design), they are encourage to integrate sustainability considerations. Such as addressing sustainable practices, proposing environmentally friendly solutions, conducting life cycle assessments, or exploring the social and economic impacts of sustainable initiatives.
49	Emotional Intelligence (HRMN459)	The Module covers are: <ul style="list-style-type: none"> <li>• Empathy and sustainability</li> <li>• Collaboration and sustainability</li> <li>• Leadership and sustainability</li> <li>• Change management and sustainability</li> </ul>

50	Employee Engagement (HRMN453)	The module covers: Sustainable organizational culture; Corporate social responsibility; Sustainability communication and engagement and Ethical considerations.
51	Occupational Health & Safety (HRMN455)	The module covers: Environmental health and safety: Addressing the potential hazards and risks to the environment and workers' health arising from workplace activities. Sustainable workplace practices: Promoting sustainable practices within the workplace, such as waste reduction, energy efficiency, and resource conservation. Green technologies and occupational safety: Exploring the safety considerations associated with the use of green technologies and sustainable materials in the workplace. Occupational health and sustainability: Examining the impact of workplace conditions on the health of workers and the broader sustainability implications.
52	Sharia verdict and commissioning	The holistic view of Islam is founded on the notion of harmony and "natural state" ( <i>fitra</i> ) and in respecting balance ( <i>mizan</i> ) and proportion ( <i>mikdar</i> ) in the systems of the universe. These notions provide an ethical dimension and a mandate for all humans to respect nature and all forms of life.
53	Introduction to Islamic Jurisprudence 1	Islamic worldview represents a unique model for a transition to sustainable development by focusing on justice, rational growth and harmony between human and nature. -Islamic Sharia thinkers view the environmental challenges as an indicator for a moral and ethical crisis. Looking at the creation of human, Earth, and cosmos as signs of the Creator ( <i>Kitab Manthoor</i> ) is a key in Islamic values.
54	Strategic Management	Two modules: - Vision, Mission, Objectives - (Environmental Analysis)
55	Production Management	Green products, resource efficiency, waste reduction, energy management, sustainable supply chain practices, and the integration of environmentally friendly technologies into production processes.
56	Environmental Management	The role of law and regulations in environmental management. Concept of sustainable development via environmental law and regulation

## Sustainability community services project

#	Project name	Participants	Project duration	Project area
1	Sustainability in Education	100	1 year	ED
2	Environmental Initiatives & Innovative Projects	45	2 years	EC, WR, WS,ED
3	GU Impact on Community	56	1 year	EC, WR, WS,ED

4	Energy Management	21	2 years	EC
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## Number of sustainability-related startups

GU's students create the application that is called UniFind. It helps students who graduate from school or who wish to complete postgraduate studies in identifying suitable universities for them, whether locally in Bahrain or Externally in neighboring countries.

Uni Find an application that help students who graduate from schools or who wish to complete postgraduate studies in identifying suitable universities for them, whether locally in Bahrain or externally in neighbouring countries. The student can easily access all universities and educational institutes in Bahrain. The program makes it easy for students to apply online to the desired university, where you can see an application dedicated to events specializing in career counselling and provides qualifying courses to help them choose the appropriate specialization for a student in terms of his preferences and personal skills.

**Vision**  
To ensure covering worldwide educational centres / universities to show them up clearly to the students

**Mission**  
To enhance the number universities and make sure that all students can access the application, through this application best practices we enable the students to find their university more collectively, than personal attendance.

**Values**  
INNOVATION  
GOALS  
COMMITMENT  
TEAMWORK  
ETHICS  
PRIVACY

الجامعة الخليجية  
GULF UNIVERSITY

Volunteer – Mahnaz Abdul Salam  
CEO- Noor Mohamed Ebrahim







Digital Card Entry for Students, Faculty and Staff

**Final Words:** The SMD-C at Gulf University considers sustainability as a large spectrum that involves all stakeholders in a collaborative and participative way; not only identifying and addressing University challenges but Community and Industry challenges as well. This includes working with a different way of thinking toward sustainable development as human centered-approach, organizing and managing differently unfamiliar situations as community-centered design, dealing with various contexts and constraints, recording observations and recommendations, considering partners work and initiatives, using appropriate technologies and services, engaging public participative thinking and establishing focused information gatherings related to real-life situations and global issues.

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