KUWAIT UNIVERSITY

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Integrating SDGs in Education, Research, and Practice at Kuwait University

Success Stories in Incorporating SDGs in Education, Research, and Practices ANDD Third Annual Meeting – Qatar University



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CONTENT



- Kuwait Vision for 2035
- SDG 6 Clean Water and Sanitation
- SDG 7 Affordable and Clean Energy
- SDG 9 Industry, Innovation, and Infrastructure
- SDG 11 Sustainable Cities and Communities
- SDG 17 Partnerships for The Goals

Kuwait Vision for 2035



KU is committed to integrating SDGs into its campus operations, student engagement, research and community activities.

 Kuwait University (KU) is a national pioneering university with outstanding qualifications in higher education and scientific research.

- KU is an essential partner in achieving the development plan of Kuwait Vision 2035.
- KU cooperated with different sectors to adopt the SDGs in line with the seven pillars of "New Kuwait":
 - Global positioning
 - · High quality health care
 - Creative human capital
 - Sustainable living environment
 - Developed infrastructure
 - Sustainable diversified economy
 - Effective government administration



KU Strategic Plan

- Kuwait University is eager to provide a pioneering educational experience in which the strategic goals of the state and its future aspirations are embodied in building an informed and responsible generation.
- Through various and competitive scientific programs, the university encourages intellectual creativity and the creation of developmental skills across many and varied fields and experiences.



VISION

Kuwait University is a center for innovation with an international reputation for excellence

MISSION

Kuwait University is a major source of human capital that initiate the highest quality of knowledge - based economy, through embracing innovative learning and research, and contributing to the community by addressing its most contemporary challenges



KU Strategic Plan

Main Directions



First objective

Encourage a healthy sustainable environment



Develop ways of enhancing KU contribution to sustainability

Goal 2

Sustainable design and construction for KU facilities



Second objective

Establish a sustainable institutional system

Goal 1

Build a complete institutional system that supports administrative sustainability

Goal 2

Maintain financial and economic sustainability systems



Innovation •



Stimulating and embracing innovative initiatives from the entire KU community (students – academic staff– administrative staff) are the key for new ideas that can be translated into discoveries and inventions



Quality



Kuwait University is committed to setting up the highest- quality criteria in all practices to meet international standards of excellence in education, research and community services



Global Visibility



Building international reputation for Kuwait University is fundamental to becoming a globally recognized institution. This strategy is adopted in the plan to actively build Kuwait university's name and ensure it is ,synonymous worldwide



Sustainability



Kuwait University aims to inhibit sustainability in its systems and practices by fully understanding and building a sustainable growth and development through an effective utilization of all the available resources, to preserve them and ensure its continuation for future generations



SDGs in Kuwait University

- Kuwait University Administration perspective
 - Strategic plan
 - Quality assurance
 - Word University Rankings
 - Accreditation
- Colleges and Academic Departments perspective
 - Academic courses
 - Students' activities
 - Research projects



Sabah Al-Salem University City - Kuwait University

Sabah Al-Salem University City Kuwait University

- 557 Hectares of Land
- 40,000 Students and Faculty
- 50,000 Population
- Close to 100 Buildings and 100 Parking Lots
- World Class Learning Facilities





Sabah Al-Salem University City - Kuwait University

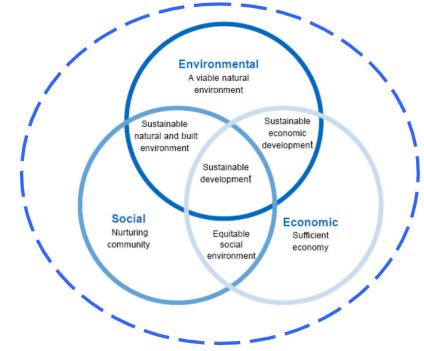
Sabah Al-Salem University City Kuwait University



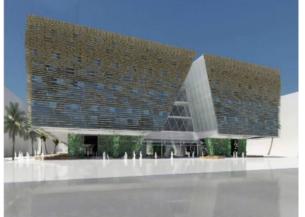


Sabah Al-Salem University City - Kuwait University

- Sustainability Aims
 - Promote sustainable practices in campus development with sensitivity to the natural environment
 - Promote sustainable practices in campus operations: including recycling, energy conservation, mass transportation systems, water conservations
 - Encourage sustainability initiatives: by education and awareness programs, in use of water and energy











New Campus

- Sabah Al-Salem University City Kuwait University
 - Environmental Sustainability Objectives
 - Water
 - Global Atmospheric Impacts and Local Air Quality
 - Energy
 - Outdoor Environments
 - Indoor Environments
 - Land Use and Ecology
 - Materials and Waste













SDGs in Academic Courses





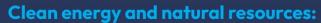
College of Engineering & Petroleum

Engineering Design Projects

Industry and Building:



It focuses on the innovation in the field of Industrial Revolution, by increasing the industry processes, the building materials and their methods.





Having plenty of Innovative Engineering Solutions, towards a clean renewable energy and to create methods of achieving the maximum benefits from the natural resources.

Infrastructure:



To achieve the sustainability, related to the infrastructure, roads, transportation, facilities and basic services, integrated with all the details of life.

The technical and digital sciences & communications:



The digital computing techniques and safe linking to communication networks and establishing a safe environment in the data centers and digital applications, serving the life.



Artificial intelligence and robots:



Perceptual techniques of Artificial Intelligence for increasing the welfare and living level, in order to reach to an organized mechanism through the developed robots.

Mechanization and Engineering Productivity:



To produce new scene and build a distinct and intelligent future, through the accurate mechanizations and machines.

The sustainable environment:

To use the processes for a achieving a distinguished living for the human being in conformity with the sustainability, by engineering solutions and restoring the original relationship between the man and the nature, seeking for the good health and welfare.

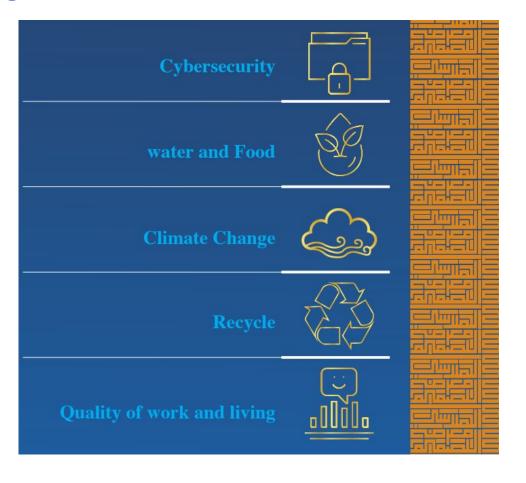




College of Engineering & Petroleum

Priorities







Engineering Design Projects





















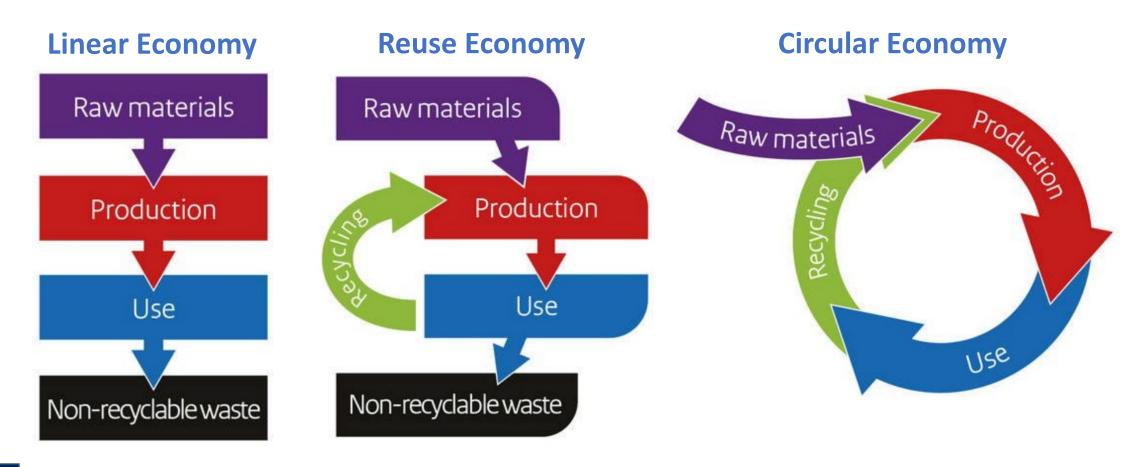
Eng. Dalal Salah Almatoog Eng. Lolwah Khalid Abaalkheel Eng. Rafif Bander Alharbi Eng. Retaj Bander Alotaibi

تعانى الكويت سنوبا من الفيضانات وخاصة الفيضانات Huwait suffers annually from floods, especially flash المقاجئة الناتجة عن هطول امطار غزيرة في فترة وجيزة floods resulting from heavy rains in a short period مع قليل من التحذير أو بدون تحذير . هذه الفيضائات with little or no warning. These floods are caused by the inability of the current stormwater network to ناتجة عن عدم قدرة شبكة مياه الأمطار الحالية على drain flows from the surrounding area, as a result of تصريف التنفقات من المنطقة المحيطة وذلك نتيجة connecting the stormwater network of the surrounding areas to the same network. The most الشبكة. وأكثر المناطق المحلطة بها انفس affected areas are urban areas due to the high proportion of paved surfaces. This project aims to المرصوفة. يهدف هذا المرصوفة بهدف هذاك الارتفاع نسية الاسطح المرصوفة. المشروع إلى أيجاد حلول لعدم قدرة تحمل شبكة مياه find solutions to the inability of the stormwater امطار مدينة صداح الناصر وذألك نتيجة لربط شبكة network in the Sabah Al-Nasser city, as a result of مياه امطار مدينة الشدادية بها، من خلال تنفيذ connecting the stormwater network of Al-Shadadiya, مرية المستخدم في المستخدم الم the (StormCAD) program. As well as treating what is known as the "first flush" that is discharged into الكويت الأول" الذي يتم تصريفه في جون الكويت وتخفيف تأثير مياه الأمطار على البنية التحتية والبيئية والبيئية التحتية والبيئية والبيئية والبيئية والبيئية التحتية والبيئية the infrastructure and environment on Kuwait Bay. على جون الكويت.





Circular Economy





Conclusion



- KU is committed to integrating SDGs into its campus operations, student engagement, research and community activities
- KU is cooperating with different sectors in Kuwait, such as General Secretariat of the Supreme Council for Planning and Development, and United Nations to adopt SDGs.
- The elements and practices are well established what is needed is closing the communication gap between KU Administration and Academic Colleges
- Resources in Sabah Al-Salem University City will be utilized in academic courses and research projects.

Thank You



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