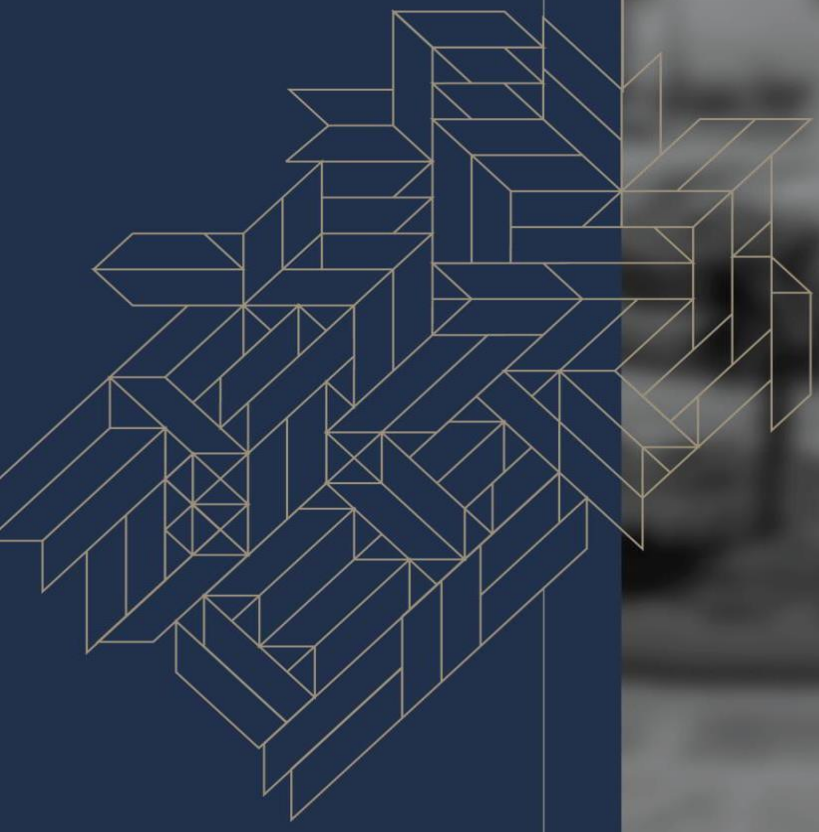
جامعة الإمام عبدالرحمن بن فيصل
IMAM ABDULRAHMAN BIN FAISAL UNIVERSITY
عمادة خدمة المجتمع والتنمية المستدامة
Deanship of Community Service and Sustainable Development



SDG 13

Climate Action

Sustainable Development Report 2021-2022

Table of Contents

1. Introduction

IAU always takes initiatives to reduce the impact on climate change. IAU promotes the staff and students to plant trees inside the campus, this planted tree can be tracked in an app by name "Nabatik".

IAU understands that the students will be persuaded to new technological advancements and new initiatives, which was rightly used by IAU to motivate students for plantation of trees and thereby saving the nature.

As part of the sustainability measures taken by IAU, solar panels are installed, water recycling and reusing recycled water to plants and washrooms are already in place and functioning well.

IAU takes seriously about conservation of natural resources and motivating the staff and students to keep the environment without harming them so that the future generations can be benefitted from it.

As an initiative to save the climate, at present only solar energy is used only for campus lights and signage in main campus. The mega project is in pipeline to install solar panels in all the campuses of the university to have an alternate source of energy, which will help to be less dependent on electricity and reduced the electricity consumption, and hence save the climate.

All buildings of the IAU Campus fulfil the requirements of the Saudi Building Code which is the National Standard for construction of buildings which support Green Building Implementation. Many of our building also follow the international building standard code, which is reflected in all the constructed buildings of IAU.

2. Climate action initiatives - Reducing Carbon footprint through Solar panels

Solar Panels installed all over the campus to provide energy for the purposes of lighting, heating, cooling, running university laboratories, etc.

NIGHTVIEW OF SOLAR OUTDOOR SIGNAGE IN IAU CAMPUS

DAY-VIEW OF SOLAR OUTDOOR SIGNAGE IN IAU CAMPUS

3. Climate action initiatives - Reducing Carbon footprint through E-scooters

An initiative IAU GREEN without CO2, inaugurated by H.E. the President of IAU

E-Scooter initiative in IAU, in an effort to reduce Greenhouse gas emission

DAMMAM — Dr. Abdullah Al-Rubaish, president of Imam Abdulrahman Bin Faisal University, Dammam, launched the Smart Mobility initiative at the lobby of the College of Architecture and Planning on the university campus here on Wednesday.

The initiative, which was commissioned by the Deanship of Community Service and Sustainable Development, comes as part of using clean energy within the university campus and make available its health

benefits to the members of the campus community.

Dr. Al-Rubaish said that the university launched the pilot phase of the smart mobility service so as to achieve the Kingdom's Vision 2030 towards providing new opportunities for transportation.

"This is through generating clean energy within the university campus by bicycles and e-scooters with the WAYZ application, which will facilitate for its users the rapid mobility feature at the university through an electronic mobile application," he added.

For her part, Dr. Fatima Bint Abdullah Al-Mulhim, head of the Deanship of Community Service and Sustainable Development, said that the new experiment is based on using clean energy for the mobility inside the university campus.

"We launched earlier the initiative of 'Green University without Carbon,' under which these scooters, which are charged and operated with solar energy will be used. It is a service available to all educational and administrative staffers of the university as well as to male and female students," she said.

She noted that it has many health benefits, including the fight against obesity and the promotion of being environmentally friendly and serving the members of society with its environment.

According to Dr. Fatima, the goal is also to be sustainable through the presence of solar-powered stations.

"Today is the beginning of an experimental start and work is continuing in order to equip stations to charge these devices powered by solar energy.

"All the university people, including male and female students, administrators and members of the educational staff, as well as university security personnel, will benefit from this service.

This will facilitate their freedom of movement without cars, and the initiative received a lot of encouragement and demand," she

said while noting that safe corridors have been provided inside the university campus.

"This is one of our priorities to ensure the safety of the beneficiaries of this service, and it will be included in the first stage inside the university campus until the infrastructure and private roads are provided at the university for this type of initiative that is reflected in reducing the proportion of carbon.

"Now we are in the process of working with faculty members who obtained a patent in measuring carbon levels in the atmosphere, and we aim for the measurements and they will be returned according to the research scheme prepared for that," she added.

4. Climate action initiatives – Planting more Trees

Encourage environment caring by planting tree by H.E. The President of IAU

Big Trees and plants: Family Medicine

Big Trees: On the pathway

Planted trees & plants: University Hospital area

Natural Trees & plants at the entrance of IAU

Big Trees Near Parking Slots

Big trees on the pathway outside IAU buildings

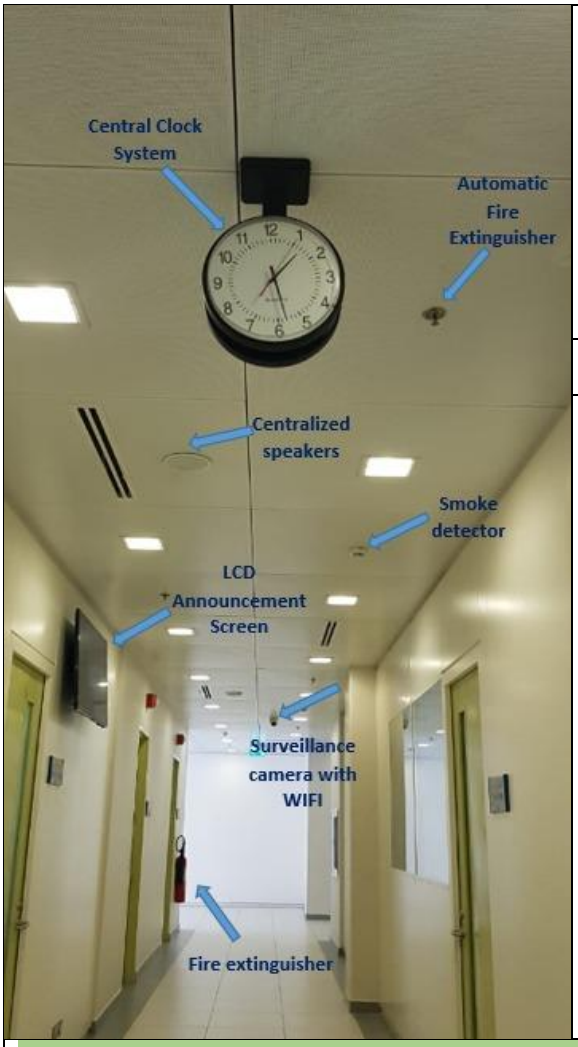
Big Trees at Orientation Studies - Medical Track

Big Trees at entrance of IAU main gate

Natural Trees & Plants at Student Restaurant 1

5. Energy Efficient Appliances Usage

Energy Efficient Appliances Usage in all the Buildings of IAU: Use of LED & fluorescent lighting and lamps with auto shut-off sensors. Central clock system, centralized speaker & LCD Announcement screen in each building.



Energy Efficient Appliances Usage in all the Buildings of IAU: Use of LED & fluoracent lighting and lamps with central clock system, centralized speaker & LCD Announcement screen

6. Green Building Implementation

Elements of Green Building Implementation as Reflected in All Construction and Renovation Policies

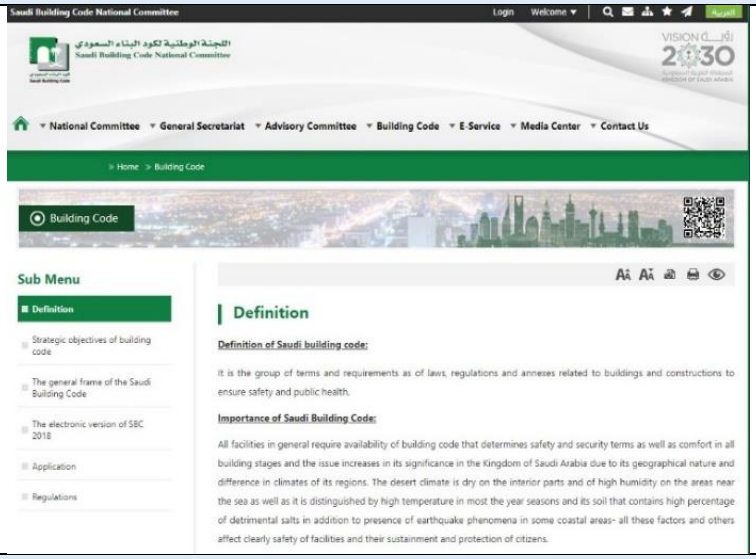
All buildings of the IAU Campus fulfil the requirements of the Saudi Building Code National Standard for construction of buildings, whereby many of our building follow the international building standard code, which is of much higher standard.

As stated in Saudi Building Code that "all facilities in general require availability of building code that determines safety and security terms as well as comfort in all building stages and the issue increases in its significance in the Kingdom of Saudi Arabia due to its geographical nature and difference in climates of its regions. The desert climate is dry on the interior parts and of high humidity on the areas near the sea as well as it is distinguished by high temperature in most the year seasons and its soil that contains high percentage of detrimental salts in addition to presence of earthquake phenomena in some coastal areas- all these factors and others affect clearly safety of facilities and their sustainment and protection of citizens."

As far as Green Building implementation is concern, one of the steps IAU had started implemented that is the cultivation of invented nono - plants in IAU as a tool for removal of air pollutants.

In addition, all irrigation System in Imam Abdulrahman Bin Faisal University (IAU) is connected and treated with wastewater.

Natural Ventilation in the class room and office corridors



Snapshot of Saudi Building Code National Committee's website


Example of Green Building Implementation – efforts in IAU, The cultivation of Nano Plants


Irrigation System in Imam Abdulrahman Bin Faisal University (IAU) is connected and treated with wastewater

7. Participation in Earth Hour

Imam Abdulrahman bin Faisal University participated in the annual global event of "Earth Hour" by turning off unnecessary lights for one hour, from eight-thirty until nine-thirty on March 25, 2022 in the evening on Saturday; In order to contribute to the rationalization of energy consumption to confront global warming.

The Vice President of the University for Administrative and Financial Affairs - Head of Energy Efficiency at the university - Prof. Dr. Abdul Wahed bin Hamad Al-Mazrou explained that the university's participation in this global event by switching off

external and unnecessary lighting in a number of the university campuses buildings. Moreover, the university's participation comes from its belief in the concerted efforts of all nationals to shed light on these important phenomena, raise awareness of their dangers, reduce heat emissions to preserve natural resources for future generations, and support the university's participation in this event in which government and private agencies of the Kingdom of Saudi Arabia participate in saving the planet. Furthermore, this participation aims to raise awareness of the damage of gases emitted from electricity consumption, and work to bring the world together to confront the factors and effects of climate change, as the solidarity of individuals, governments and private sectors for the benefit of their planet and commitment to environmental behaviors is the goal. In addition to urging individuals, government sectors and the private sector to reduce the use of electricity to minimize the proportion of the harmful gases emitted from the use of electricity, he also urged to support the country's approach towards energy rationalization and working to reduce unnecessary consumption as a contribution by members of society to saving energy and reducing its negative effects and emissions.

Al-Mazrou added that the countries of the world celebrate "Earth Hour", which is on the last Saturday of March of each year. And that by turning off the lights in the most famous tourist attractions in each country from 8:30 in the evening and for 60 minutes with the aim of uniting the world's people to draw attention to the dangers of the phenomenon of climate change.

Furthermore, the last Saturday of March was chosen every year, due to its proximity to the date of the vernal equinox, i.e. the night

and day being equal, to ensure the participation of most of the world's cities around the time of the night in these cities, as the Earth Hour moves across time zones respectively.