

Shatt Al-Arab University



SDG

9

Industry, Innovation
and Infrastructure





Shatt al-Arab University has embodied the concepts of sustainable development in the basic points of sustainability

Education: Integrating sustainability concepts into school curricula

Research: Directing scientific research towards solving environmental, social and economic problems.

Community involvement: Strengthening the universities ' relations with the local community by providing consultations and participating in development projects.

Innovation: Developing innovative solutions that support the achievement of Sustainable Development Goals

Collaborations: Building partnerships with other institutions and entities to achieve the Sustainable Development Goals.

Times Higher Education Impact Rankings:

Shatt al-Arab University has made achievements in the field of sustainable development according to international standards. This rating aims to assess the performance of universities at the level of achieving the Sustainable Development Goals set by the United Nations, which contributes to enhancing the reputation of the University and its competitiveness at the international level and is called (Times Higher Education Impact Rankings) The Times impact ranking represents a unique opportunity to highlight the University's role in achieving sustainable development in the fields of education, research and community service.

Efforts should focus on the need to document all activities and programs that contribute to achieving the Sustainable Development Goals, including efforts in the fields of Health, Education, the environment, and local and international partnerships. Such initiatives contribute to enhancing the University's image and demonstrate its commitment to making real contributions to global challenges. By making real contributions to global challenges. The Times impact rating requires a high level of transparency in providing reliable and documented evidence. The importance of adhering to the specified time standards to ensure the submission of completed files within the deadline, reflecting the University's excellence in applying international best practices in sustainable development. The university should focus on achieving sustainability through various programs and activities that support a sustainable environment and contribute to community development.

IT enabled Shatt al-Arab university to achieve sustainable development by integrating sustainability into the curriculum, providing an environmentally friendly university environment, encouraging environmental awareness, contributing to solving community problems, supporting applied research, and strengthening community partnerships.

Detailed explanation:

* **Integrating sustainability into the curriculum:** It enabled Shatt al-Arab university to integrate the concepts of sustainability in all academic disciplines, not only in Environmental Sciences, by directing the educational content towards sustainability, and providing specialized training courses in this field.

* **Provide an environmentally friendly university environment:** Shatt al-Arab University has enabled the adoption of environmentally friendly practices on campus, such as reducing energy and water consumption, managing waste effectively, and increasing green spaces.

* **Promote environmental awareness:** Shatt al-Arab University has organized awareness-raising events on sustainability, encouraging students and staff to adopt sustainable behaviors in their daily lives.

* **Contribute to solving community problems:** Shatt al-Arab university provided contribution to solving community problems through applied research that

contributes to the development of innovative solutions, and participation in development projects aimed at improving the life of the community.

* **Support applied research:** It also provided the University with support for Applied Research aimed at developing innovative solutions to societal problems, which contribute to achieving sustainable development.

* **Strengthening community partnerships:** Shatt al-Arab University has strengthened partnerships with local institutions and the private sector to exchange experiences and knowledge, and implement joint projects aimed at achieving sustainable development.

Examples:

1-Increase green spaces

2-Reduce water consumption

3-Reduce electricity consumption by relying on clean energy.

4-Expanding the college departments that meet the labor market

5-Voluntary campaigns for donation, afforestation and environmental cleaning

6-Developing an integrated plan for digital transformation and e-governance. By developing some systems for the purpose of simplifying procedures and reducing time and effort.

Appliance	Total Number	Total number energy Efficient appliances	Percentage
Air conditioners	250	240	96%
LED Lamps	2000	1900	95%
Fans	300	290	97%
LCDs	40	35	88%
PC	50	45	90%
Heaters	20	18	90%
Printers	122	120	98%
fridges	44	40	90%
Total			93%





Area: 13752 m²

Building name	Total Area
Building A	13752 m ²
Building B	2496 m ²
Building C	13752 m ²
Total	30000 m ²

Description: Total water absorption area: **1400 m²**, Total Area: **24055 m²**
Percentage area: **25%**

The ratio of open space area to total area.



The University budget for sustainability effort (in US Dollars)

	2020	2021	2022	2023	Average
Budget Total	\$ 480000	\$ 480000	\$ 480000	\$ 480000	\$ 480000
Sustainability Budget	\$ 150000	\$ 100000	\$ 157381	\$ 163251	\$ 142658
Budget Total				Percentage	29%

The role of Shatt al-Arab University in community development highlights the role of the University in society through several points, the most prominent of which are as follows:

- 1- Active participation in freedom of opinion with work**
- 2- Developing the ability of learners and graduates to contribute seriously to solving the problems of society.**
- 3- Developing the desire and framing it in the practice of research and knowledge ‘**
- 4- Work according to methodological and scientific frameworks that take into account the social, economic, cultural, political and environmental conditions... ‘**
- 5-Trying to accompany the scientific, technological and communication development taking place in the world ‘**
- 6-Serious and rapid adaptation to the working climate and the jobs required in the labor market to serve the community and its requirements in sustainable development ‘**
- 7-Developing the traditional view of education to the modern one, which depends on it being a service added to the rest of the services in economic and commercial activities**
- 8-Providing the University with active cadres in the community who are capable of serious change**
- 9-Contribute to the promotion of society by benefiting from all research and facilitating access to it**
- 10-Conducting applied research to the problems of society and finding realistic and scientific solutions**

11-Spreading science and knowledge among the members of society and promoting the degree of awareness and culture

12-The formation and transfer of workers, employees and tires in the public and private sectors through the agreements of formation and improvement of the level

13-Embracing innovative and creative ideas and refining them and making them for society.

Shatt al-Arab University has adopted Sustainable Development based on scientific research through the following:

- 1- Conducting research that will preserve and strengthen the natural resource base, create more alternative energies and harness scientific research to develop alternative strategies in the exploitation of available resources
- 2- Conducting the most urgent research at the International and local levels related to sustainable development
- 3- Offering training in Master's and doctoral programs in the topics of sustainable development and environmental development .
- 4- Conducting research on climate adaptation strategies, and research on analyzing the impact of human and economic risks on the environment
- 5- Completion of research in the fields of electricity generation, energy, building and construction materials, water, sustainable transport, pollution prevention and climate change
- 6- Establishment of research centers on Sustainable Development
- 7- The search for new materials to replace existing ones, changes in new devices to increase product efficiency and reduce the use of materials, reduce the demand for non-renewable resources and new energy storage methods for future generations.

The University of the Shatt al-Arab achieves the goals of sustainable development, and addresses environmental, social and economic aspects, with a focus on achieving a balance between them. Among these goals are:

1. achieve good health and well-being (Goal 3): Providing high-quality health services to all members of society, focusing on the Prevention of diseases and reducing their spread
2. Achieve quality education (goal 4): Provide comprehensive and high-quality education for all, with a focus on achieving gender equality and providing equal opportunities for all.
3. Achieving gender equality (goal 5): Promote gender equality in all aspects of life, including education, work and politics.
4. Achieving clean and affordable energy (goal 7): Promote the use of renewable energy sources and reduce dependence on fossil fuels.
5. Achieving decent work and economic growth (goal 8): Promote sustainable and stable economic growth, with a focus on creating appropriate jobs and providing fair salaries.
6. Achieving industry, innovation and infrastructure (goal 9): Promote innovation in various industrial and technological fields, develop sustainable infrastructure.
7. Reducing inequalities (goal 10): Addressing inequality between individuals and groups, providing equal opportunities for all.
8. Achieving sustainable cities and communities (goal 11): Promote sustainable urban planning, and provide a healthy and clean environment for all members of society.
9. Achieve responsible consumption and production (goal 12): Promote responsible consumption and sustainable production, reduce waste and pollution.
10. Achieving climate action (Goal 13): Addressing climate change and reducing greenhouse gas emissions.

11. Achieving underwater life (goal 14): Protection of the marine environment and its biodiversity. 12. Achieving life in righteousness (goal 15): Protection of the wild environment and its biodiversity.
12. Achieving peace, justice and strong institutions (goal 16): Promote peace and justice, and provide strong and transparent institutions.
13. Achieving the partnership contract to achieve the goals (goal 17): Strengthening the partnership between states, institutions and civil society to achieve the Sustainable Development Goals.