
المعيار الثاني
Second Standard

معايير الأنظمة التعليمية:
التعلم والبحث العلمي

Educational Systems Standards:
Learning & Research

Pages	Standards
	2-Standards of educational systems: learning and scientific research:
4	1-2 Number of courses related to environment and sustainability / total number of courses offered by the university
12	2-2 Total number of scholarships and research received during the last three years and funding received
12	3-2 Environmental Research Funding / Total Research Funding Over the Last Three Years
12	4-2 Number of research and scientific studies related to the environment and sustainability during the last three years
24	5-2 Number of practical activities and events related to the environment and sustainability such as seminars, workshops,
24	trainings during the last three years
45	6-2 Awareness of sustainability policies through the university's website
47	7-2 Innovative solutions to address environmental problems
54	8-2 Educational systems based on practical practices to solve environmental problems
61	9-2 Electronic transformation of exams and courses (the number of electronic courses in all faculties of the university courses - the
63	number of exams implemented in the various faculties of the university) to reduce the use of paper
	10-2 Number of student projects directed to serve the sustainable development goals
	11-2 Number of applied projects that came out of the university and concerned with climate change issues

2.5 Number of practical activities and events related to the environment and sustainability, such as seminars, workshops, trainings during the last three years:

There are many activities and events related to the environment and sustainability in which the Community Service and Environmental Development Sector at the College of Education has participated during the last three years, such as:

1. Seminars:

- A seminar entitled "The Role of University Students in the National Project for Literacy and Adult Education" in Auditorium (2) at the Faculty of Education, on Monday, 28/3/2020.
- The first scientific symposium of the Adult Education Center at Assiut University entitled "Adults without illiteracy in Assiut Governorate", which was held at the Faculty of Education, Assiut University on Sunday 23/10/2020.
- The Adult Education Center held an introductory seminar for the center's activities entitled (University Student and a Course in Literacy and Adult Education) on Thursday, 4/10/2018.
- The Adult Education Center held a seminar entitled (The Role of Students of the Faculty of Education, Assiut University, in the Literacy and Adult Education Project) on Monday 25/11/2019, and the students participating in the literacy project were honored in the July 2019 session to encourage them for their efforts in completing the project.

2. Workshops:

- A workshop entitled "Behavioral patterns and their relationship to work pressure" for workers and employees of professional unions at the Institute of Occupational Safety and Health in Assiut on Sunday, 12/2/2017.
- A workshop on the characteristics of a successful leader on Friday, 31/3/2017 at the Faculty of Physical Education in Haram.
- Leadership styles workshop and their relationship to personality traits under the auspices of occupational health and safety in Assiut on Monday, 3/4/2017.
- A workshop on discovering the gifted and the problems they face in schools in Assiut Governorate and how to solve them on Thursday, 13/4/2017 at the Professional Academy of Teachers in Assiut.

3. Conferences:

- Participation in the thirty-third annual conference of educational psychology in Egypt and the twenty-fifth Arab, which is organized by the Egyptian Society for Psychological Studies in partnership with the Faculty of Education, Assiut University, from 5/2/2017 to 6/2/2017 at the Faculty of Education in Aswan.
- Participation of the Faculty of Education in the comprehensive community dialogue conference for the development and reform of education in Assiut Governorate on 9/2/2017.

تقرير الأنشطة الثقافية القديم

[2-10 Number of student projects directed to serve the goals of sustainable development](#)

2.10.1 Adult education and literacy project:

1- The decision to establish an adult education center at the Faculty of Education, Assiut University:

- The approval of the Supreme Council of Universities on 21/1/2017 on the establishment of the Adult Education Center (a unit of a special nature) at the Faculty of Education, Assiut University and its financial and administrative regulations.
- Issuance of Ministerial Resolution No. (128) dated 27/4/2017 approving the establishment of the Adult Education Center at the Faculty of Education, Assiut University (as a unit of a special nature) and approving its financial and administrative regulations.

2- The decision to assign students to the literacy project:

The University Council decided in its session No. (667) held on 28/7/2016 and extended to 11/8/2016 to approve the start of activating the cooperation protocol signed between the General Authority for Adult Education and the Supreme Council of Universities and the necessary procedures for activation through the Adult Education Center at the Faculty of Education at Assiut University. This is for new students who will join the university starting from the academic year 2016/2017, and obliging students to eradicate illiteracy (8) illiterate members of society, and considering this a college requirement that the student may not graduate except by completing it.

3- Seminars held through the Adult Education Center at the Faculty of Education, Assiut University:

- The Adult Education Center at the College of Education, in cooperation with the Community Service and Environmental Development Sector at the university and the Public Authority for Adult Education, held a seminar entitled (Student Participation in the Literacy and Adult Education Project) on Monday 1/3/2023 in the presence of Prof. Dr. Maha Kamel Ghanem, Vice President for Community Service and Environmental Development, Prof. Dr. Thabet Abdel Moneim, Director of the Environmental Research Center at Assiut University, Prof. Dr. Hassan Mohamed Huwail, Dean of the Faculty and Chairman of the Board of Directors of the Center, and Prof. Dr. Mohamed Mustafa Hamad, Vice Dean of the Faculty of Education for Community Service and Environmental Development, as well as the presence of the Director of the Adult Education Authority, and the students participating in the literacy project were honored in October 2022 session to encourage them for their efforts in completing the project.

- The first conference for young researchers at the Faculty of Nursing - Assiut University was implemented on Tuesday, 15/11/2022

On Tuesday, 15/10/2022, the Faculty of Nursing organized the first conference for young researchers of the Faculty of Nursing, in conjunction with the third scientific day of the Department of Internal Surgical Nursing, Faculty of Nursing, Assiut University (Access to health care for diabetics) in conjunction with World Diabetes Day.

Among the most important recommendations:

- Children with diabetes should improve the information of their parents (family) in order to avoid the occurrence of neuropathy and improve the level of awareness of diabetics on the importance of eating a balanced and healthy diet.
- Using the VAC device to treat chronic wounds such as foot ulcers (diabetic foot) to quickly heal.

- Apply an educational program for diabetics to encourage them to examine the eye and reduce the incidence of eye disease.
- Washing the hands of the diabetic patient before measuring sugar from the finger gives accurate results.
- The Faculty of Agriculture participated in the activities of the "Youth for Development Initiative" of the Ministry of Planning and Economic Development, and five teams for development projects submitted by the college won advanced positions out of nine teams that won the initiative.

Environment Project



**Portable green hydrogen gas production units
(Towards Green Sustainability... Carbon-neutral buildings)**



2030

EGYPT VISION

مركز الأهرام للدراسات والبحوث

توطين أهداف
التنمية المستدامة
في مصر



Problem:

The issue of climate change is one of the most important issues of concern to the global community, as climate change is not just news published by the media or just warnings issued by organizations interested in the environment, but it is an imminent danger lurking for humanity that may make life in several countries difficult and may lead to the spread of hunger, poverty, migration and even deaths.

Carbon emissions are the most important causes of climate change, and one of the largest sources of these emissions is emissions resulting from cooking and heating, as the percentage of emissions resulting from cooking and heating represents 20% of carbon emissions around the world.

Proposed solution:

To overcome these challenges, we must look to find new ways to meet the vision towards a green world with a vision completely zero-emission.

Relying on renewable energy and using water to generate alternative gas to natural gas is the technology of the future that can achieve the global goal of producing high energy that can be used in many uses. Using a fuel cell, we can produce green fuels that are an alternative to natural gas and fossil fuels without producing any emissions.

The process of producing alternative gas only needs a renewable energy source and an electrolysis unit, then it is used directly in the daily needs of homes of fuel, which in turn leads to reducing the carbon footprint.

Renewable energy fuel production units for daily uses:

They are units through which hydrogen gas is produced using renewable energy, and they are relatively small units with a production of enough houses per month of natural gas and consist of:

- Solar energy system.
- Electrolysis system.
- Automatic control system.
- Gas storage system.

Advantages of using these units:

By designing these units to serve homes and facilities and provide them with the energy necessary for cooking and heating, these units are characterized by:

- Environmentally friendly fuel production
- Relatively cheap fuel
- Solving a crisis for a large part of carbon emissions
- Provide clean and cheap alternative fuel to natural gas.

The role of this project in serving the community and achieving the goals of sustainable development:

In conjunction with the achievement of the sustainable development goals and the achievement of Egypt's Vision 2030, the project seeks to achieve 3 sustainable development goals that affect the social dimension, the economic dimension and the environmental dimension, and they are:

Goal No. 7 Clean and affordable energy water power system helps to provide energy at a low price, as the final cost of the project is low in relation to the return and the amount of fuel produced, which helps solve the fuel and energy crisis.

Which takes us to Goal 13 climate action, as this fuel or energy does not produce any emissions from its combustion, which limits climate change,

helps to purify the air, contribute to reducing global warming and preserving species from extinction as a result of climate change, which restores the balance of nature.

Goal No. 9 is industry, innovation and infrastructure, as this system is the only one of its kind in the Middle East, Africa and Egypt; the system also supports Egypt's infrastructure at a low cost and this type of project that the state is currently interested in.



