

Report on the efforts of Menoufia University in the field of sustainable development

presentation:

Menoufia University is considered one of the most prominent Egyptian universities that strives to promote sustainable development in various aspects of economic, social and environmental life. The university is considered one of the leading institutions in educating students and the local community on issues of environmental conservation and sustainable development. The university organizes awareness campaigns about environmental challenges and the importance of caring for and preserving nature. These campaigns include holding educational events, workshops, and lectures on various topics, such as recycling, reducing pollution, and sustainability in the use of natural resources, through implementing a number of events and activities in the following themes:

First: Environmental sustainability and infrastructure:

Menoufia University also seeks to contribute to building a sustainable infrastructure on and off campus. The university implements environmentally friendly practices in its buildings, promotes the use of renewable energy, and improves the management of energy and water resources. The university is also working to develop the public transportation system on campus to reduce the use of private cars and reduce carbon emissions through the following:

1- Decision of the Menofia University Council to establish the Office of Sustainable Development at Menofia University dated 3/28/2023

The Office of Sustainability Development in Universities aims to enhance and deepen the concept of sustainable development within and outside the university environment. Its main objectives include:

- Awareness and education: Educating members of the university community (students, faculty, employees, and administration) about the importance of sustainable development, and providing knowledge and education about its concepts and goals.
- Integration of the three dimensions of sustainable development: Working on a balance between the economic, social and environmental dimensions of sustainable development on campus and in various activities.
- Research and innovation: Encouraging research and studies on sustainable development and their application at the university level, encouraging innovation and developing sustainable solutions to local and global challenges.
- Sustainable Resource Management: Improving on-campus resource management, such as efficient energy and water use, and sustainable waste management.
- Community Collaboration: Collaborating with the local community, businesses and other organizations to share knowledge and promote sustainable development on a broader level.

-
- Applying sustainable development in education and research: Integrating the principles of sustainable development into academic curricula and university research to produce a generation of graduates familiar with the importance of this concept.
 - Guidance and advice: Providing guidance and advice to the university and individuals within the university environment on sustainable development and how to achieve it.
 - Measurement and evaluation: Develop indicators and metrics to measure and evaluate progress towards sustainable development within the university and identify areas that need improvement.
 - Encouraging sustainable behavior: Encouraging members of the university community to take small and large steps towards sustainable behavior in their daily lives and to make sustainable decisions.
 - Communication and Transparency: Communicating with university personnel and the external public about sustainable development efforts, and providing transparent information about progress and achievements in this field.

2-The decision of the Menoufia University Council to establish smart green offices in all faculties of Menoufia University on 7/25/2023:

-
- Green offices at universities promote sustainability and environmental preservation on campus and in the surrounding community. Its objectives include the following:
 - Awareness and Education: Educating members of the university community about the importance of protecting the environment and adopting sustainable lifestyle habits by providing educational programs and workshops on environmental issues.
 - Sustainable resource management: Improving the use of resources such as energy, water and materials in sustainable ways, by applying energy saving, recycling and waste management techniques.
 - Green Infrastructure: Focus on designing and developing the campus in ways that encourage the use of public transit, walking and cycling, providing green spaces and creating sustainable parks.
 - Stimulating environmental research and innovation: Encouraging research and studies in the fields of environment and sustainable development and developing innovative solutions to local and global environmental problems.
 - Transparency and evaluation: measuring the impact of university activities on the environment and submitting periodic reports on progress in achieving environmental and sustainable goals.

-
- Guidance and encouragement: Providing guidance and guidance to members of the university community on how to contribute to preserving the environment and achieving sustainable development.
 - Community Partnerships: Cooperating with local and community institutions and entities to promote environmental principles and sustainable development in the area surrounding the university.
 - Sustainability in education and research: Integrating concepts of the environment and sustainable development into university curricula and research to prepare students to understand and confront environmental challenges.
 - Innovation and technical development: Encouraging the use of technology and innovations to improve the university's environmental impact and achieve sustainable development goals.

3-Switching to new and renewable energy

Prof. Dr. Sobhi Sharaf, Vice President of the University for Community Service and Environmental Development, met with Prof. Dr. Magdy Abu Ghazaleh, Executive Director of the New and Renewable Energy Research Center, and representatives from the University's Engineering Department and Hijab Energy and Contracting Company to discuss disseminating the idea of converting to solar energy in the university's colleges and units and establishing... A solar station in the College of Science. The college was moved to conduct a feasibility study to establish the necessary solar station to cover the college's electrical energy needs.



4-Sustainable development and reducing carbon emissions

Within the framework of the Community Service and Environmental Development Sector's plan to achieve sustainable development goals, today, Professor Dr. Sobhi Sharaf, Vice President of the University for Community Service and Environmental Development Affairs, received a number of companies specialized in the field of reducing carbon emissions with the aim of reaching a zero level of carbon emissions. You may know During the meeting, His Excellency discussed the precedent of companies' work, the method of working in this field and the target groups. His Excellency reached a set of understandings related to developing intensive training plans in the field of preparing sustainable development reports and seeking to accredit the University's Office of Sustainable Development. In continuation of the sector's journey in the field of interest in environmental projects,

His Excellency reviewed A project to safely eliminate carbon emissions and study it to work on developing the idea, in addition to working on marketing it and launching in this field in partnership with specialized authorities.



5-Organic agriculture...direction of Menoufia University

Within the framework of Menoufia University's approach to organic cultivation on its farms and the control of insects and pests by physical methods, under the patronage of Professor Dr. Ahmed Farag Al-Qasid, President of the University, and Professor Dr. Sobhi Sharaf, Vice President of the University for Community Service and Environmental Development Affairs, the research team formed to study modern physical methods to combat Insects and pests in organic agriculture

using physical methods and the use of high-frequency light waves, visited the model farm in the countryside of Abu Suwayr, Ismailia Road, last Thursday, to stand on the ground and conduct the necessary study in cooperation with the New and Renewable Energy Research Center and faculty members from the faculties of science and agriculture, as the university aims to create Integration between the university's various faculties and centers, and with the support of Engineer Hatem Al-Roumi, a member of the Board of Directors of the University's New and Renewable Energy Research Center, to implement an ambitious plan adopted by Menoufia University, which focuses on achieving sustainability in energy and water and recycling waste to produce biogas, biodiesel, and saturated carbon. The team agreed to establish a plant tissue cultivation laboratory for cloning High-quality palm cuttings to improve the breed and raise the quality of Egyptian dates to increase the export share, making Egypt one of the first countries exporting dates. It was also agreed to establish a greenhouse to raise predators and study methods of biological control to combat insects and pests in crops using light of different positive lengths generated by solar energy and other methods. Physics.

6- Applying the standards of the National Initiative for Green Projects in the water treatment unit in the dialysis unit at Menoufia University Hospitals.

Under the patronage of Dr. Ahmed Farag Al-Qasid, President of Menoufia University, Dr. Nasser Abdel Bari, Dean of the College and Chairman of the Board of Directors of University Hospitals, received Dr. Sobhi Sharaf, Vice President of the University for Community Service and Environmental Development, to discuss the application of the standards of the National Initiative for Green Projects in the Water Treatment Unit. In the dialysis unit at Menoufia University Hospitals. The visit comes within the framework of the university's participation in the national initiative for green projects and the transition to new and renewable energy in line with the recommendations of the conferenceCOP27 and in line with Egypt's Vision 2030 and the Menoufia University Strategy 2030 in making good use of the various units within the university and the possibility of benefiting from waste and recycling it in

accordance with Green Hospital standards to preserve the environment. The visit was attended by Dr. Muhammad Al-Sawy Habib, Vice Dean of the College for Education and Student Affairs, Dr. Rania Azmi, Vice Dean of the College for Community Service and Environmental Development Affairs, Dr. Amira Fathi, Director of the Quality Assurance Unit, and Dr. Saeed Khamis, Director of the Kidney Diseases and Transplantation Unit at University Hospitals. Engineer Rabab Al-Dali, Director General of the General Administration of Engineering Affairs at the University, and Engineer Suhaila, Director General of Maintenance at the University.



7- Participation in the national initiative for green projects and the transition to new and renewable energy

Under the patronage of Professor Dr. Ahmed Farag Al-Qassed, President of the University, and Professor Dr. Sobhi Sharaf, Vice President of the University for Community Service and Environmental Development Affairs, and in cooperation with the Arab Organization for Industrialization, a technical delegation from the Arab Organization for Industrialization attended to conduct a feasibility study for establishing solar stations for the administrative building and the examination hall in the Faculty of Law, as well as bathrooms. Swimming to feed the administrative building and the examination hall with solar energy in the college, as well as feeding the swimming pools with solar electrical and thermal energy by making tents and placing solar panels on them. The delegation was received by Dr. Mansour Muhammad Ahmed, Dean of the Faculty of Law, and in the presence of a number of faculty members for a practical inspection of the surfaces and places. The installation of solar plants was under the supervision of Dr. Magdy Abu Ghazaleh, Director of the University's New and Renewable Energy Research Center, and in the presence of Dr. Mohamed Shaheen, Director General of Youth Welfare at the University, and Captain Yasser. Professor Dr. Sobhi Sharaf, Vice President of the University for Community Service and Environmental Development, stressed the importance of switching to new and renewable energy in the rest of the world. Colleges and university units.



8-Communicate with external bodies specialized in sustainable development

Today, Professor Dr. Sobhi Sharaf, Vice President of the University for Community Service and Environmental Development, held a lengthy meeting to find out the latest developments in the sustainable development file. His Excellency received the Managing Director of the Regional Center for Sustainable Development Studies and Future Foresight.

The representatives of the Regional Center presented a proposed vision for the program matrix for qualifying cadres participating in the field of sustainable development and green transformation, so that a package consisting of:9 training programs to prepare distinguished cadres at Menoufia University to undertake the sustainable development file. Prof. Dr. Sobhi Sharaf emphasized the necessity of

setting distinct controls and standards for the matrix of proposed programs and also working to develop the concept of financial sustainability and awareness of governance and its frameworks and the extent of their connection to the dimensions of sustainable development and ensuring the localization of these University standards.

It was also agreed between the two sides to review the sector strategy presented in light of Egypt's vision2030 by the Regional Center for Sustainable Development Studies and Future Foresight and cooperation between the two sides regarding the file's inclusion of a number of important topics.

It was also agreed between the two sides to qualify a number of environmental consultants at Menoufia University so that they will be trained by certified lecturers from the Ministry of Planning, which will have an important role in preparing reports on environmental activities, warning systems and disasters.



Second: Community participation

Menoufia University is considered an effective partner in the sustainable development of the local community. The university organizes volunteer initiatives and projects to contribute to improving the living conditions of the surrounding communities. This includes organizing health awareness campaigns, providing logistical support for local environmental projects, and supporting sustainable economic activities for vulnerable groups through the following activities:

1-Support and finance green university projects

Within the framework of the university's keenness to create real opportunities for the university's projects to emerge through the search for funding bodies for the ideas of researchers and university students and their creative research projects that are of great benefit to society and that will preserve the environment. Today, Professor Dr. Sobhi Sharaf, Vice President of the University for Community Service and Development Affairs, Environment held a meeting to present a number of project ideas for a number of the university's faculties of "computers, information, and engineering" in Zaki Shabana Hall, in the presence of the coordinator of the Information Technology Industry and Development Authority for the Digital Egypt Creativity Centers in Menoufia, where the authority provides environmental consultations and training, supports student graduation projects, and finances winning projects in competitions. Competitiveness in addition to hosting emerging projects to work within the center's headquarters. Among the most important projects that were presented during the meeting were:

Printer project3D, the smart garage project, the waste separation and sorting machine project, the Planto project, an effective low-cost fertilizer project based on Egyptian rock stones for colored and cooled paint applications, and a smart irrigation system project using solar energy.



2-Sustainable development and entrepreneurship

On Thursday, Menoufia University received July 27, 2023 A meeting with the Central Administration for Entrepreneurship “Your Idea Company Center” within the framework of full coordination with civil society organizations in achieving sustainable development at Menoufia University and supporting entrepreneurship. The meeting witnessed the presence of a number of Menoufia University students to learn about the features and axes of the initiative. Prof. Dr. Sobhi Sharaf, Vice President of the University for Community Service and Environmental Development, thanked all the partners of Menoufia University in the field of sustainable development, stressing Menoufia University’s keenness to introduce its students and train them to move towards investment, creativity and entrepreneurship through accredited and specialized bodies within Egypt’s Vision 2030. . His Excellency also addressed the university students about the importance of exploiting the opportunities available to them in the field of entrepreneurship, stressing the need for students to be aware that the university is keen to create the right environment to crystallize their ideas and integrate them into the entrepreneurship base, as well as training them through distinct and specialized training programs, introducing them to donor agencies, and providing the necessary funding. With their ideas and projects.



2- Communicating with factories in the Quesna industrial zone

Al-Arabi Group received, in its factories in the Quesna Industrial Zone - Menoufia Governorate, a delegation from Menoufia University and the Faculty of Engineering in Shebin El-Kom to attend the activities of the exhibition of bachelor's student projects in the departments of electrical and mechanical engineering, which dealt with applied aspects with the support of the group. These meetings come in light of the guidance of Professor Dr. Ahmed Farag Al-Qassed - President of Menoufia University to activate the axes of the national strategy for higher education 2020/2030 by allowing students to participate in applied projects that contribute to building their practical experience and solving the problems related to sustainability that industrial institutions face.

This year's student projects dealt with analyzing facility operations with the aim of improving them and saving energy in the group's foam factory in the city of Benha, where the factory's steam network was analyzed in order to improve its efficiency and reduce gas consumption and pollutants, and a strategy was adopted that focuses on recovering wasted energy in the factory. Projects include studying different technologies and practices that can be used to save energy, such as energy-efficient appliances, improved building insulation, and renewable energy sources. In addition, the projects highlight the role of government policies and regulations in stimulating energy savings and the importance of individual and collective action in addressing the pressing challenges of climate change and energy sustainability.

The university delegation included Prof. Dr. Sobhi Sharaf, Vice President of the University for Environmental Affairs and Community Service, Prof. Dr. Muhammad Saafan, Dean of the College of Engineering, Prof. Dr. Essam El-Din Helal, Vice President of the College for Education and Student Affairs, Prof. Dr. Naji Al-Qalshi, Chairman of the Electrical Engineering Department Council, and Messrs. Prof. Awad Al-Sabaa, Prof. Dr. Safwat Wilson, Prof. Dr. Mustafa El-Shibiny, project supervisors, and they were received by Mr. Engineer/Mohamed Abdel-Gayed El-Arabi and the engineers, factory managers, and project coordinators, where the students

presented research topics and their results. The attendees stressed the necessity of continuing this cooperation to build cadres and seek help from the expertise of university professors in Research and development in production units.

3- Nile Pioneers Initiative

Professor Dr. Sobhi Sharaf, Vice President of the University for Community Service and Environmental Development Affairs, met with a group of directors of rural development, sustainable development, and new and renewable energy centers, representatives of the Project Development Agency in Menoufia, and the governorate's representative in initiatives, to discuss ways to activate the "Nile Pioneers" initiative in coordination with the Bank of Egypt and the authorities. A partner of Menoufia University, which aims to reduce unemployment rates and support vocational training, marketing and exhibitions to create job opportunities for young people by developing a vision for an action plan agreed upon by all parties. This meeting comes in the context of the Ministry of Local Development's interest and the governors' mandate to activate the Nile Pioneers Initiative through the Population Unit and partner agencies to support young people by providing training on entrepreneurship as well as crafts and raising awareness of the services the state provides to them.



4-The training program to raise health and social awareness for rural women pioneers

In order to activate the presidential initiative to develop the Egyptian family through rural women pioneers, which was launched by President Abdel Fattah El-Sisi, President of the Republic, Dr. Ahmed Al-Qassed, President of Menoufia University, accompanied by Dr. Sobhi Sharaf, Vice President of the University for Community Service and Environmental Development, and Dr. Magdy Matar, Director of the Egyptian Rural Development Center at Menoufia University, witnessed the launch of activities.

The training program, which aims to raise the efficiency of health and social awareness among rural women pioneers, is organized by the Egyptian Rural

Development Center at Menoufia University in cooperation with the Department of Family Medicine at the Faculty of Medicine, Menoufia University, the Ministry of Social Solidarity and Menoufia Governorate.

Al-Qassid welcomed the female rural pioneers to the university and called for directing attention to the development of both rural and urban women and removing societal pressures on them to enhance their empowerment in society, increase their participation in the labor market, and give them the art of dealing with health and societal problems in accordance with the Presidential Health Initiative's action plan. 100 Million Health, which includes screening and supporting women's health, early detection of breast cancer, follow-up and treatment of chronic diseases, and attention to family planning, in addition to working to raise awareness of the importance of family medicine, stressing that the family doctor is a friend of the family and is capable of correctly diagnosing any symptom or illness for family members. With the information he has about family medical history, he pointed out the importance of spreading health awareness through rural women pioneers and community communication teams, as they are capable of changing the misconceptions spread in society in general and influencing the target groups of rural Egyptian women in Egyptian villages. This is in addition to the necessity of studying the impact of seminars and programs. Training, stressing that a series of educational seminars will be organized on cancerous and benign tumors in general and how to avoid and treat them.

Sharaf pointed out that the community service and environmental development sector always seeks to enhance interest in the Egyptian family, especially in the countryside, noting that Menoufia Governorate has a large number of villages through which the wheel of economic development can be advanced through handicrafts that women can do in their homes, noting that the university will organize Continuous workshops for rural women pioneers to spread the culture of small and micro industries. Dr. Najwa Nashaat, Professor of Family Medicine and Director of Medical Education and Human Resources Development at Menoufia Medicine, gave an awareness seminar on family planning methods and its importance in solving the problem of population increase, in order to achieve the state's directions in reducing population increase. She also educated rural women pioneers on the importance of

spreading the culture of participation among family members in Distribution of responsibilities, and that the man must be a support to his wife, not only financially. She also spoke about many misconceptions spread in society, including the bad view of mentally ill people and the fear of visiting psychiatric clinics, stressing that the psychiatric patient is like any other patient who needs care, diagnosis, and treatment.



5-Entrepreneurship Forum for university students

Menoufia University organized an entrepreneurship forum for university students within the military education program for Menoufia University students, in the presence of:

Prof. Dr. Sobhi Sharaf, Vice President of the University for Community Service and Environmental Development Affairs

Colonel/ Hani Mossadeq, Director of the Department of Military Education at Menoufia University.

Mr. Ihab Hegazy, Director of the Projects Development Authority in Menoufia Governorate

Mr. Khaled Diab, Forsa Program Coordinator, Social Solidarity Directorate, Menoufia Governorate

Prof. Dr. Sobhi Sharaf, Vice President of the University for Community Service and Environmental Development, began the speech by talking about the importance of entrepreneurship for university students and the necessity of educating students about the opportunities available to them by learning about the role of the Enterprise Development Agency in Menoufia, as well as the concept of small and micro enterprises and how to benefit from them and transform them into Ideas into reality through cooperation with a number of partner agencies that provide full support and work to connect students with the labor market and its needs, represented by the Enterprise Development Authority in Menoufia Governorate.

A. has risen. Ihab Hegazy provided a simplified definition and a brief explanation of the services provided by the Small Enterprise Development Agency in Menoufia, from incubating and adopting ideas to the production and marketing stage. He presented, with the participation of the work team from the Small Enterprise Development Agency in Menoufia, the ideas that were implemented during the last period and how to benefit from the Enterprise Development Authority as a partner. It is essential in preparing and training graduates to prepare feasibility studies and provide them with technical consultations, as well as practically training students on production and participation in marketing through permanent exhibitions to maintain and fully support students' electronic marketing operations and train students on them, as the agency is an essential partner in the success of these projects.

In the end, Prof. Dr. Sobhi Sharaf stressed the importance of understanding and making young students aware of the state's plans for development, which depend primarily on entrepreneurship and supporting small and micro enterprises. His Excellency extended an invitation to all students to visit the Enterprise Development

Authority in Menoufia Governorate to learn about a large number of related ideas and projects. Low cost and outstanding return, as well as identifying projects that have achieved great successes through the agency's support for them.



6- Training green office coordinators at Menoufia University

Within the framework of the efforts of Menoufia University to transform into an environmentally friendly university and within the activities of the university's green offices, under the patronage of Prof. Dr. Ahmed Al-Qased

President of Menoufia University, Dr. Sobhi Sharaf, Vice President of the University for Community Service and Environmental Development Affairs. A number of green office coordinators at the faculties of Menoufia University participated in the activities of the Arab Initiative for Introductory Certificates and the Carbon Market, which began its effectiveness on Sunday, 2/7/2023 with a lecture entitled Climate Change, the Origin of the Problem and Mitigation and Adaptation Measures. The lecture was presented by Professor Lydia Eliwa, Director General of the General Administration of Climate Change Technology and Research in the Central Administration of Climate Change at the Egyptian Ministry of Environment, in the presence of a number of green office coordinators at the faculties of Menoufia University. The Arab Introductory Initiative for Carbon Certificates and Market is based on the idea of preparing and raising awareness regarding obtaining and trading carbon certificates, which, according to the Prime Minister's decision, will be considered tradable securities on the stock exchange, for all institutions, factories, and other entities as part of the preparation for implementing the regulations that will be issued by the state. In addition to educating individuals in society, which contributes to more internal commitment towards climate action, in addition to unifying efforts to confront the negative effects of climate change to bring about change at the national level to adapt to the challenges of this issue by investing in all available opportunities.

This training comes in light of the Prime Minister's announcement of the launch of "the first voluntary African market for issuing and trading carbon certificates" on the sidelines of the COP Climate Summit activities.27" in Sharm El-Sheikh, and the Prime Minister issued Resolution No. 4664 of 2022 regarding the establishment of a voluntary market for trading "carbon emissions reduction certificates" on the Egyptian Stock Exchange.



"7- The National Initiative for Smart Green Projects

Under the patronage of His Excellency Professor Dr. Ahmed Al-Qassed, President of Menoufia University

Under the supervision of Professor Dr. Sobhi Sharaf

Vice President of the University for Community Service and Environmental Development Affairs

Today, the community service and environmental development sector witnessed the establishment of...

"National Initiative for Smart Green Projects"

Under the patronage of the President of the Republic, which comes within Egypt's vision2020 - 2030 for sustainable development

The initiative's activities were opened in the presence of His Excellency Professor Dr. Sobhi Sharaf

Vice President of the University for Community Service and Environmental Development Affairs

And Professor Dr. Sahar Imam

Dean of the Faculty of Law, Sadat City University

President of the National Council for Women in Menoufia

And Mr. Muhammad Abdullah Qutb

Head of the central administration of the regional branch of the Environmental Affairs Agency in Central Delta

And Mr. Mustafa Mohamed Adel

Responsible for the Executive Committee of the National Initiative for Smart Green Projects at the Ministry of Communications

The initiative's activities were opened at exactly eleven o'clock in the morning with verses from the Holy Quran and the Republican anthem. Then the activities moved to a speech by Professor Dr. Vice President of the University for Community Service and Environmental Development Affairs.

In which His Excellency presented the vision of Menoufia University and the efforts of the community service sector in the field of sustainable development and smart projects, His Excellency stressed that the attendees will see on the ground through this initiative a number of smart green projects. Menoufia University has begun to take serious and very promising steps to actually implement them.

The audience then listened to the words of the platform members, who stressed the direction of the country in particular and the world in general for these types of projects, given the trend the world is witnessing towards clean, renewable energy and reducing carbon emissions that are harmful to the environment.

The attendees also learned about a number of previous experiences in different countries that had a distinct economic return, and hence the necessity of applying

such patterns and projects with distinguished returns, and how to use advanced technology in the safe disposal of waste and helping people of determination through distinguished scientific innovations and employing them within the scope of Serving the community as well as presenting a number of distinguished projects that provide unconventional solutions to environmental, health and economic problems in a wonderful scientific way



8- Presenting the projects of Menoufia University in sustainable development, the National Initiative for Smart Green Projects.

Under the patronage of Major General Ibrahim Abu Laymoun, Governor of Menoufia

And His Excellency, Professor Dr. Ahmed Farag Al-Qasid, President of the University

Under the supervision of Professor Dr. Sobhi Sharaf, Vice President of the University for Community Service and Environmental Development Affairs, and Dr. Ahmed Abu Bakr, Director General of Environmental Affairs at the General Office of Menoufia Governorate.

Within the framework of fruitful cooperation between the governorate and the university, a delegation from the community service and environmental development sector led today, led by Professor Dr. Sobhi Sharaf.

The Vice President of the University for Community Service and Environmental Development Affairs and a number of faculty members, including supervisors and owners of smart green projects, visited the governorate today, where they were received by:

Dr. Mohamed Musa, Deputy Governor

Dr. Ahmed Abu Bakr, Director General of Environmental Affairs at the General Office of Menoufia Governorate

And the Executive Committee of the National Initiative for Smart Green Projects in Menoufia Governorate, where the following projects were reviewed:

* A project to use agricultural waste to produce environmentally friendly dyes of high quality and economic value without harming the environment, which would save the money wasted on importing them, which are of better value in terms of quality and stability.

-
- * A project to implement and develop handmade “Taft” carpets and entrepreneurship for rural women, which would provide diverse job opportunities with a distinguished economic return.
 - * Smart waste recycling project - smart garage - and smart tools to help the blind - smart educational robot for children.
 - * A project to produce the second generation of biofuels while maximizing the benefit from the large economic returns resulting from the application of dispensing with fossil fuels that pollute the environment, saving hard currencies in importing them, and greatly increasing reliance on them.
 - * A project to manufacture and innovate a three-dimensional printing machine developed for manufacturing three-dimensional models and making various models and shapes in all areas of industry with high quality, writing and drawing on all metal, leather and wood materials. It serves a large sector within the governorate in the fields of design, advertising and industries.
 - * A project to recycle food waste and use it in treating diseases resulting from oxidation, which aims to extract the high value of food waste, extract chemical compounds using different organic solutions, arrive at the chemical genetic fingerprint, analyze and separate it using chromatological technology, and study biological effectiveness to determine the best therapeutic effect for diseases resulting from oxidation.

Prof. Dr. Sobhi Sharaf, Vice President of the University for Community Service and Environmental Development Affairs, confirmed this

Ali is very proud of these distinguished examples of projects presented by Menoufia University, which reflect the value of the pioneering cadres within it and what Menoufia University represents in terms of being the most important houses of expertise within the governorate, with its experts in very important fields, and as the university presents these projects that are immediately applicable and implementable on the ground. As part of its effective participation within the vision of the President of the Republic, Egypt2030 "

Dr. Mohamed Moussa, Deputy Governor of Menoufia, confirmed that the governorate is proud of the role of Menoufia University in presenting these distinguished projects and pledges to provide full support for the projects that will be selected for implementation, stressing that coordination will be made during the coming period with the university to begin as soon as possible and move to the implementation steps on the ground. reality.



Conclusion

Menoufia University is a leading model in supporting and promoting sustainable development in Egypt. The university constantly seeks to improve, develop and intensify its efforts in the fields of education, research, awareness and community participation to achieve sustainable development and environmental and social sustainability. It remains an honorable example for universities around the world in the field of sustainable development.