

AL-MUSTAQBAL UNIVERSITY

COLLEGE

Location: Mustaqbal College university/ Babylon

Date: 26 – 28.03.2022

Time: 9:00 – 13:30

Facilitator: The Sustainable Development Unit



1st INTERNATIONAL FORUM OF UNIVERSITIES STUDENTS FOR PROMOTING SUSTAINABLE DEVELOPMENT GOALS SDGs

In front of the University of Babylon, Babylon – Hilla, Iraq

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AL-MUSTAQBAL UNIVERSITY COLLEGE TOWARDS SUSTAINABILITY



**1ST INTERNATIONAL FORUM OF UNIVERSITIES
STUDENTS FOR PROMOTING SUSTAINABLE
DEVELOPMENT GOALS (SDGs)**

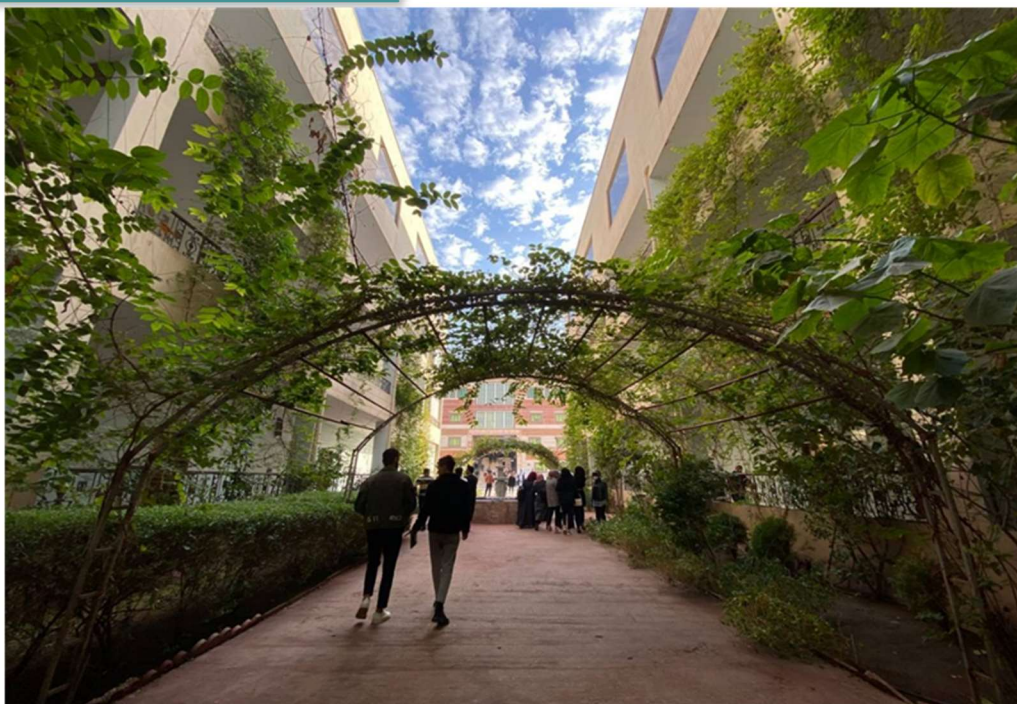
26-28 March 2022



Al-Mustaqbal University College was established in 2010 pursuant to Cabinet Resolution 427 of 2009. The college contains 21 scientific departments for multiple disciplines, including engineering, medical, law, management, physical education, and media. Al-Mustaqbal University College aspires to become a leader in teaching and learning locally and nationally in the medical, engineering, legal and administrative disciplines, and to be unique in providing academic programs in accordance with international standards of quality, openness to society, advancing scientific research, and adopting innovative ideas that contribute to the development of infrastructure and improvement of functional and academic performance. The college has achieved several important milestones over the past years, including its participation in the most important international rankings such as THE Impact Rankings, UI Green Metric, Scimago and other rankings.



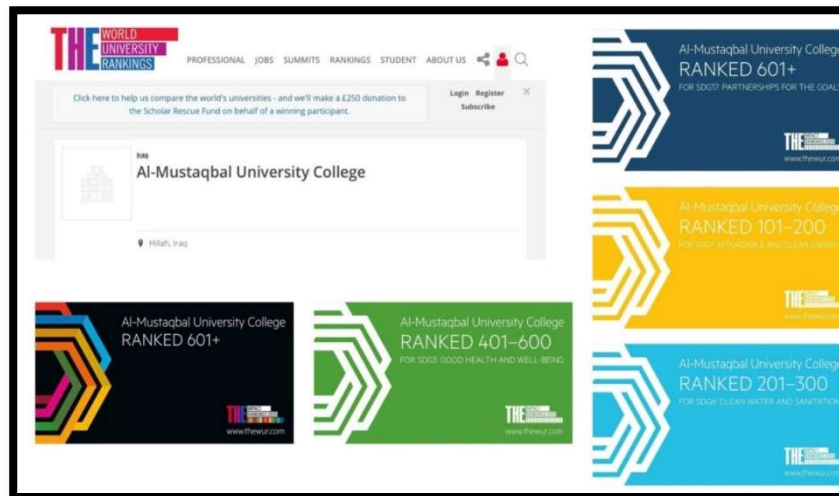
ALMUSTAQBAL UNIVERSITY COLLEGE IN BRIEF



PREFACE

Since its establishment in 2010, Al-Mustaqbal University College has sought to achieve the Sustainable Development Goals by joining the relevant International Rankings and obtaining the first place among Iraqi private universities and colleges such as UI Green Metric and Times Impact Ranking.

Al-Mustaqbal University College has joined Times Impact Rankings (SDGs Ranking) for the first time in 2020 as 1,820 universities from 92 countries participated in the ranking 2020, the college ranked ninth locally and ranked +601 globally.



In 2021, Al-Mustaqbal University College got first place among private universities and colleges and the third locally out of 37 Iraqi universities participated in this ranking, and in the sequence (601-800) globally out of 1,117 universities from 94 countries.

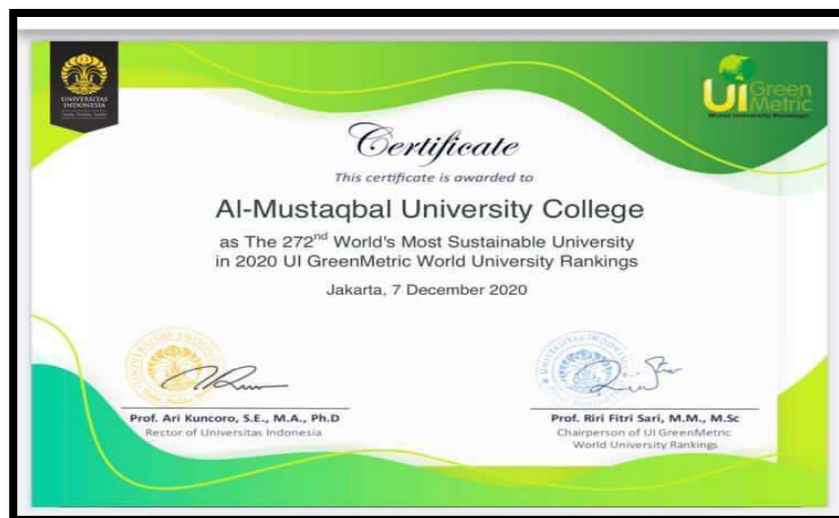


Al-Mustaqbal University College had joined UI GreenMetric (an initiative of Universitas Indonesia which is being launched in 2010). As part of its strategy of raising its international standing) for the first time in its 2019 edition.

The college obtained 5,000 out of 10,000 points, to be ranked 384 globally among 780 universities that participated in this ranking, and ranked 5 locally among 44 Iraqi universities, where the college topped the private universities and colleges in Iraq.



In 2020, the college obtained (6250) points to be ranked (272) globally among (912) universities participated in the ranking. At the local level, the college's rank improved to rank (3) locally among 60 Iraqi universities. Al-Mustaqbal University also topped the Iraqi private universities and colleges by achieving first place for the second year in a row.



In 2021, the college obtained (7525) points to be ranked (156) globally out of (956) universities that participated in this ranking. Al-Mustaqbal University College also topped the Iraqi private universities and colleges by achieving first place in this ranking for the third year in a row.



1ST INTERNATIONAL FORUM OF UNIVERSITIES STUDENTS FOR PROMOTING SUSTAINABLE DEVELOPMENT GOALS (SDGs)



OUR VISION

Our vision is to assist youth in becoming ambassadors of sustainability.



GOALS

1. Enhancing the role of education, research, and innovation, which are essential elements for Sustainable Development.
2. The contribution of university students to present ideas, research, and practices to achieve the Sustainable Development Goals.
3. Discussing solutions and proposals to address the most pressing challenges in the region, such as (poverty, economic prosperity, inequality, social inclusion, environmental sustainability, peace, and profitable governance).
4. Sharing knowledge and experience provided by higher education institutions with public and private sectors in addition to civil society organizations.

MISSION

The 17 Sustainable Development Goals (SDGs) of the United Nations are the new global agenda to enable all human beings to lead safe, peaceful, and prosperous lives within the planet's boundaries. In this forum, Al-Mustaqbal University College helps students spread awareness and participate in achieving the Sustainable Development Goals.



SUSTAINABLE DEVELOPMENT GOALS

1 NO POVERTY



3 GOOD HEALTH AND WELL-BEING



5 GENDER EQUALITY



2 ZERO HUNGER



4 QUALITY EDUCATION



6. CLEAN WATER & SANITATION

The population of some countries suffer from a severe shortage of water resources and the absence of sanitation services. Water scarcity affects about 40% of the world's population. Although the number is large, it might increase in the coming years with the rise in global temperatures due to climate change. despite the efforts made, making more than two billion people access to improved sanitation services for water since 1990 until now; however, the dwindling supply of safe drinking water is a major problem affecting all continents of the world.

7. AFORDABLE & CLEAN ENERGY

The seventh goal aims to ensure universal access to affordable electricity by 2030 and to increase investment in solar, wind and thermal energy sources. The adoption of cost-effective standards for a wide range of technologies would reduce electricity consumption in buildings and in industry.

1. NO POVERTY

The first goal aims at the eradication of poverty in all its forms before the year 2030. Poverty eradication represents a major challenge for humanity in the twenty-first century. Because poverty hinders the goals of sustainable development and human renaissance. Poverty is not only a lack of income, resource, and a permanent source of living, but also includes hunger, malnutrition, difficulty in accessing quality education, social discrimination, and lack of opportunities to participate in societal decisions.

2. ZERO HUNGER

Ending hunger includes providing food security, improving nutrition, developing agriculture to reduce people's suffering, and improve their health, physical and mental condition, so as not to be an obstacle to development and its other objectives such as education and work. Many men and women around the world struggle daily to provide their families with a meal, and although there is enough food to feed everyone, about 690 million people around the world suffer from chronic undernourishment, or what is known as hunger.

3. GOOD HEALTH & WELL-BEING

The sustainable development goals are committed to a bold commitment to end epidemics by 2030, and the pursuit of this goal is universal health coverage and the provision of access to medicines. Research and development are an essential part of this goal.

4. QUALITY EDUCATION

Achieving inclusive and quality education for all confirms the belief that education is one of the most powerful and stable means of achieving sustainable development. This goal ensures that all girls and boys complete free and primary education by 2030. It also aims to provide equal access to vocational training that is accessible to all, eliminate disparities in access to education based on gender or wealth, and achieve universal access to high-quality education.

5. GENDER EQUALITY

Eliminating all forms of discrimination against women and girls is not only a basic human right, but an urgent factor in achieving sustainable development. The fifth goal of the Sustainable Development Goals seeks to achieve gender equality and empower all women and girls. This cannot be achieved without ensuring equal rights to economic resources, or without strengthening policies and legislation that encourage women to assume leadership positions like the opposite sex.

6 CLEAN WATER AND SANITATION



7 AFFORDABLE AND CLEAN ENERGY



8. DECENT WORK & ECONOMIC GROWTH

The Sustainable Development Goals encourage steady economic growth and increased levels of productivity and technological innovation, and in this regard encourage entrepreneurship, create job opportunities, and take the necessary measures. Globally, labor productivity has increased, unemployment has decreased, however, further progress is needed to increase employment opportunities, especially for youth, reduce employment and labor market inequality (particularly about the gender wage gap), and enhance Work safe and secure, and improve access to financial services to ensure continued inclusive economic growth.

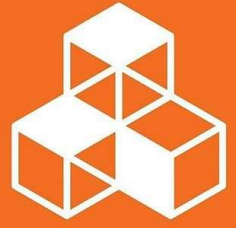
9. INDUSTRY, INNOVATION & INFRASTRUCTURE

Investments in industry, infrastructure and innovation are critical factors for the importance of economic growth and development. Technological progress is also essential to finding lasting solutions to economic and environmental challenges, such as providing new job opportunities. Promoting sustainable industries and investing in scientific research and innovation are all important ways to promote sustainable development. This goal is achieved by building resilient infrastructure, promoting inclusive and sustainable industrialization, and fostering innovation. The goal also covers both sustainable infrastructure measures and sustainable industrialization measures. It also deals with enhancing access to financial services, scientific research, focusing the means of implementation on sustainable infrastructure and technology development, and on improving access to information and communication technology.

8 DECENT WORK AND ECONOMIC GROWTH



9 INDUSTRY, INNOVATION AND INFRASTRUCTURE



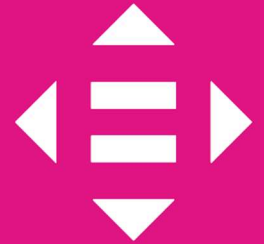
10. REDUCED INEQUALITIES

Goal 10 aims to reduce inequalities within and among countries. In addition, it is a statement on setting national and international priorities to address unequal situations to allow for a more productive and just society.

11. SUSTAINABLE CITIES & COMMUNITIES

Sustainable development cannot be achieved without a major change in the way our spaces are built and managed. In other words, building innovative cities that use information and communication technology to improve the quality of life, the efficiency of urban operations and services, and the ability to compete, and at the same time meet the needs of current and future generations about economic, social, environmental, and cultural aspects. Smart cities focus on enhancing energy efficiency and waste management, improving housing and healthcare, improving traffic flow and safety, detecting air quality, alerting police to street crime, and improving water and sanitation networks.

10 REDUCED INEQUALITIES



11 SUSTAINABLE CITIES AND COMMUNITIES



12 RESPONSIBLE CONSUMPTION AND PRODUCTION



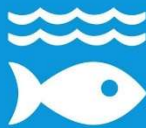
12. RESPONSIBLE CONSUMPTION & PRODUCTION

Achieving this goal depends on our effective management of shared natural resources and the way we dispose of toxic and polluting waste. This goal also depends on equal importance on encouraging industries, businesses and consumers to reduce waste and recycle it, which is an important part of producing a product to be re-consumed.

13 CLIMATE ACTION



14 LIFE BELOW WATER



15 LIFE ON LAND



16 PEACE, JUSTICE AND STRONG INSTITUTIONS



13. CLIMATE ACTION

Climate change is currently affecting all countries. Climate change disrupts national economies, affects types of life, and places financial burdens on people and societies. People have experienced important climatic influences, which include change in weather patterns, rising sea levels, and many weather events, and emissions of gases arising from human activities have led to climate change. Climate change, resulting from economic and population growth, has wide-ranging effects on the human and natural systems of each country.

14. LIFE BELOW WATER

The oceans, seas and coastal areas constitute an integral and essential component of the Earth's ecosystem and are of great importance for sustainable development. It also covers more than two-thirds of the Earth's surface. It contains 97% of the water on the planet. Oceans contribute to the eradication of poverty by providing opportunities for sustainable incomes and decent work. More than 3 billion people depend on marine and coastal resources as a means of survival.

15. LIFE ON LAND

The purpose of this target is to conserve and restore the use of terrestrial ecosystems such as forests, wetlands, and drylands. Also, stopping deforestation is vital to mitigate the effects of climate change, and people depend on agriculture as an important economic hub and a means of development.

16. PEACE, JUSTICE & STRONG INSTITUTIONS

The sixteenth goal is one of the new sustainable development goals dedicated to encouraging the existence of peaceful and inclusive societies to achieve sustainable development, providing access to justice for all, and building effective and accountable institutions at all levels. Without peace, stability, justice, and human rights, we cannot hope for sustainable development.

17. PARTNERSHIPS FOR THE GOALS

The sustainable development goals can only be achieved with a strong commitment to partnership and cooperation at the international level. And after improving access to technology and knowledge, which is an important way to exchange ideas and promote innovation. The sustainable development goals seek to enhance cooperation between countries by supporting plans to achieve all goals.

17 PARTNERSHIPS FOR THE GOALS



AGENDA

The First Day

9:00 – 10:30	Opening ceremony	Mustaqbal University College/ Sport Hall
10:30 – 11:30	Opening the Sustainable Development Goals (SDGs) Exhibition Hall	Mustaqbal University College/ Sport Hall
11:30 – 12:15	Dialogue session about the Sustainable Development in Iraq Held by the representatives of the Ministry of Planning	Mustaqbal University College/ Sport Hall
12:15 – 13:00	Dialogue session about the 4 th goal (Quality Education) Held by the Directorate of Education in Babylon and Counselor Muhsin Al-Furaiji	Mustaqbal University College/ Sport Hall
13:00 – 13:30	Distribution of appreciation awards	Mustaqbal University College/ Sport Hall

The second Day

9:30 – 10:30	Workshop about the role of universities in achieving the Sustainable Development Goals (SDGs)	Mustaqbal University College/ Sport Hall
10:30 – 11:30	Open the SDGs Projects and activities exhibition	Mustaqbal University College/ Sport Hall
11:30 – 12:00	Dialogue session about ensuring a healthy life and well-being for all	Mustaqbal University College/ Sport Hall
12:00 – 12:30	Dialogue session about the gender equality and reduced inequalities	Mustaqbal University College/ Sport Hall
12:30 – 13:30	Dialogue session about the affordable and clean energy and water	Mustaqbal University College/ Sport Hall

The Third Day

9:30 – 10:30	Workshop about the 1st and 2nd SDGs (No poverty and zero hunger)	Mustaqbal University College/ Sport Hall
10:30 – 11:00	Opening bazars of sustainable local products	Mustaqbal University College/ Medical Building
11:00 – 11:30	Workshop about sustainable cities and communities	Mustaqbal University College/ Sport Hall
11:30 – 12:00	Workshop about clean water and sanitation	Mustaqbal University College/ Sport Hall
12:00 – 13:00	Dialogue session about partnerships and cooperation between universities and institutions	Mustaqbal University College/ Sport Hall

SUSTAINABLE DEVELOPMENT GOALS

SDGs

Exhibits

1 NO
POVERTY



1. Tuition fees discount.
2. Food baskets distribution campaigns.
3. Voluntary campaigns to support the poor and low-income households.

2 ZERO
HUNGER



1. Planting campaigns on and off-campus.
2. Agricultural products on campus.

3 GOOD HEALTH
AND WELL-BEING



1. Donations to Health Departments.
2. Health and safety exhibition.
3. Awareness campaigns on avoiding contagious and non-contagious diseases.

4 QUALITY
EDUCATION



1. Visits to schools and distributing stationary to pupils.
2. Seminars and workshops on education development.
3. Exhibition of anatomy models and chemical samples.
4. Teachers' Union exhibits.

5 GENDER EQUALITY



1. Gender ratio of the staff.
2. International Women's Day
3. Campaigns on assuring the women's role in the society
4. Workshop on self-defence for women.

6 CLEAN WATER AND SANITATION



1. Voluntary campaigns to remove pollutants from water sources.
2. Studies and technologies of water filtering and treatment
3. Awareness campaigns on the conservation of water sources.

7 AFFORDABLE AND CLEAN ENERGY



1. Solar energy projects on campus
2. Energy projects off-campus
3. Scientific studies on the importance of clean energy
4. Awareness campaigns on alternative energy sources

8 DECENT WORK AND ECONOMIC GROWTH



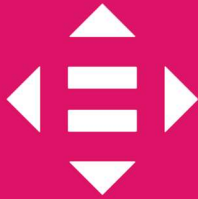
1. Entrepreneurship competition (Intilaq).
2. Employee Training courses.
3. Success stories of the small projects supported by the University.

9 INDUSTRY, INNOVATION AND INFRASTRUCTURE



1. Patents
2. Outstanding graduation projects
3. Displaying models of the Academic Staff and students' innovations.

10 REDUCED INEQUALITIES



1. Campaigns against violence
2. Seminars about inequality

11 SUSTAINABLE CITIES AND COMMUNITIES



1. Computers Technology Department exhibits.
2. Example Models of sustainable cities.
3. Models exhibit sustainable infrastructure

12 RESPONSIBLE CONSUMPTION AND PRODUCTION



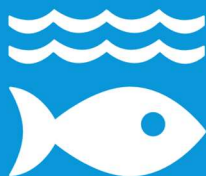
1. Awareness campaigns on the reduction of plastic usage.
2. Applied studies to recycle the construction waste.
3. Awareness and voluntary campaigns on the importance of recycling in the society

13 CLIMATE ACTION



1. Exhibits on dust and climate impact
2. Afforestation campaigns on and off-campus
3. Campaigns and activities to reduce emissions leading to the global warming

14 LIFE BELOW WATER



1. Aquarium life exhibitions
2. Releasing fries in the river.
3. Riverbank cleaning campaigns

15 LIFE
ON LAND



1. Natural Exhibition
2. Biodiversity
3. Afforestation of rare plants

16 PEACE, JUSTICE
AND STRONG
INSTITUTIONS



1. Constitution and working system in the college
2. Books and publications on justice
3. Seminars and scientific workshops on achieving peace and justice.

17 PARTNERSHIPS
FOR THE GOALS



1. Exhibits representing the SDGs were donated to the Chamber of Commerce in Babylon
2. Exhibits of the Engineering Union
3. Agreements with other universities.
4. Photos of partnership meetings.

AL-MUSTAQBAL UNIVERSITY COLLEGE

1ST INTERNATIONAL FORUM OF UNIVERSITIES
STUDENTS FOR PROMOTING SUSTAINABLE
DEVELOPMENT GOALS
(SDGs)



OPENING CEREMONY



Opening Ceremony



Students March

OPENING CEREMONY

With activities that are the largest of their kind, Al-Mustaqbal University College inaugurated the first international forum for university students to promote the Sustainable Development Goals (SDGs).

Under the patronage of the Dean of Al-Mustaqbal University College, Prof. Dr. Hasan Shakir Majdi, the activities of the 1st international forum of university students began on March 26, 2022, to celebrate the college's achievements in implementing the Sustainable Development Goals at the college.

The Dean of the College inaugurated by ascending the podium and announcing the start of the forum's activities, saying:

"Al-Mustaqbal University College is a sustainable university, and the Iraqi society seeks to be a sustainable society."



The Dean of Al-Mustaqbal University College inaugurates the activities of 1st International Universities Students Forum to promote SDGs

- This event represents the launch of the activities the 1st International Forum for University Students to promote Sustainable Development Goals SDGs. This student march was distinguished by the participating students wearing white shirts with SDGs logos to enhance awareness of the sustainable development goals among students and the public participating in the celebration.
- This march was characterized by the participation of both male and female students, in the belief of the college in the necessity of gender equality. This activity included several secondary activities, which began with the Iraqi flag groups, which represented a great value for the pride of the students and the college in the beloved homeland. Followed by groups carrying flags commemorating the twelfth anniversary of the founding of Al-Mustaqbal University College.



Iraqi flag carriers groups





- It was followed by the groups of the scientific departments, where the clothes of the students participating in these rallies varied to represent the traditional, historical and cultural costumes of the Iraqi spectrum, according to the scientific departments. Students of the Air Conditioning and Refrigeration Techniques Engineering Department and the Business Administration Department wore men's uniforms, while students of Computer Technology Engineering wore the southern Iraqi uniform.
- The female students participating in the group of Chemical Engineering and Petroleum Industries Department also wore the Arab Islamic women's dress, represented by the black garment (Abaya) embroidered with beautiful inscriptions.



- Students of Building and Construction Techniques Engineering Department wore a mixture of Arab men's rural and Bedouin dress, represented by the Arab headband (Iqal) and Arab scarf (Shemagh), in different colors that represented a wide range of Arab and Iraqi rural uniforms for the regions of southern and western Iraq.
- Students of Medical Physics Techniques Department also dazzled the audience by wearing the uniform of the historical Babylonian civilization, which was distinguished by its beautiful coordination.

- The aim of wearing all the various Iraqi spectral costumes is to deliver a message of cohesion to the Iraqi people in all their diversity and sects. Where this event left a beautiful impact on the hearts of the attendees because of its important emphasis on the unity and interdependence of the Iraqi people. Finally, the march was marked by the wonderful female students participation, which reflected the presence and effective participation of women in the activities of the Al-Mustaqbal University College.



Launching of Sustainable Development Goals Balloons

- This event aims to consolidate the concepts of Sustainable Development in the society's mind by printing Sustainable Development goals logos on balloons in a colorful way that embodied the interest Al-Mustaqbal University College in the need to spread awareness on Sustainable Development Goals. Thousands of these balloons were launched on the 1st International Forum for Universities Students to promote Sustainable Development Goals SDGs, with the participation of students in an atmosphere of joy and raising awareness on achieving Sustainable Development Goals. The sky of the campus was decorated with the colors of these balloons, which expressed the spread of peace, love and brotherhood among the components of society.





Sustainable Development Sports

This event included a number of sports practices and exercises carried out by the students of the Physical Education and Sports Sciences Department. This event aims for several goals, the most important of which is to raise awareness of the need to the daily exercises for the purpose of improving physical health, in order to achieve SDG 3- Good Health and Well-being.



Raising the Iraqi flags during sport events at the opening of the 1st International Forum for University Students to promote the Sustainable Development Goals (SDGs)



A view of the sport events, showing students wearing shirts with Sustainable Development Goals logos



Sustainable Development Goals (SDGs) Exhibition Hall

Believing in sustainable development goals and for the importance of the applications in finer details, the exhibition of the development goals had held in which the activities of students and the academic personnel of the Al-Mustaqbal university have been presented on display screens. Using this kind of display in such activities had reduce other kind of displaying methods that harm the environment.



- **First goal display screen:** presented the activities and humanitarian campaign like donating food baskets, planting fruitful seedlings, awareness campaigns, establishing small projects for low-income people and donating stationery and scholar requirements etc.
- **Second goal display screen:** presented the activities and events done by the college within this goal like food campaign donation to needy families and cultivating 2000 fruitful trees targeting hunger-free society and other activities and campaigns.
- **Third goal display screen:** presented all the activities that done by the college within this goal like awareness campaign and field health campaign and offering medical service to the society and holding workshops and scientific symposiums to achieve this goal.
- **Fourth goal display screen:** presented workshops achieved by the college and the scientific symposiums inside and outside the college and educational awareness campaigns and field campaigns for distributing educational brochures regarding this goal. As well as donating stationery and scholar requirements in countryside village schools in Babil governorate.
- **Fifth goal display screen:** this screen presented the activities that done by the college including educational awareness symposiums and workshops that held inside or outside the college.
- **Sixth goal display screen:** this display included educational campaign achieved by the college to keep Hilla river clean and not to throw any trash or waste material and arranging volunteer campaign to clean rivers and to eradicate pollution and setup scientific research for processing liquid waste products and included workshops for waste products processing.
- **Seventh goal display screen:** this screen included presenting the production of solar cells from recycled materials and designing a 3D stereoscopic that illustrates environment-friendly sources of energy and arranging volunteer campaign to light college buildings and yards via solar energy.



- Eighth goal display screen: presented educational campaign on campus about how to establish successful industrial or commercial project and research about management and supporting small projects and lectures about problematic sustainable finance under rentier economy.
- Ninth goal display screen: included a lot of inventions and graduation projects and designing stereoscopic and contracts between companies and the college like paper and plastic industries and manufacturing unique medical devices.
- Tenth goal display screen: included the humanitarian activities like participating in some orphan houses and charity institutes and donating clothing to orphans.
- Eleventh goal display screen: present a suggestion of creating green belt around the city of Hilla and educational lectures and graduation projects about transforming old buildings to smart ones to make them more efficient.
- Twelfth goal display screen: presented many valuable and effective lectures and contracts with companies and educational campaign about recycling waste products to produce environmentally friendly energy.



- Thirteenth goal display screen: presented the afforestation on campus and off campus and cultivating evergreen trees to limit environmental pollution as well as arranging volunteer campaign to clean public gardens and parks and educational awareness about the importance of afforestation to minimize the desertification.
- Fourteenth goal display screen: presented educational campaign regarding the danger of plastic material on living creatures under water and how to preserve this kind of life and releasing more than thousand fish into Hilla river.
- Fifteenth goal display screen: this screen presented cultivating rare plants on campus.
- Sixteenth goal display screen: presented a campaign to target all types of children abuse and lectures about the importance of biological and chemistry and genetic fingerprint in private medical laboratories.
- Seventeenth goal display screen: this screen presented contracts between the college and companies and their participating in graduation projects and other contracts of Al-Mustaqbal and local and global institutes and a lot of workshop and educational and awareness symposiums about contracts with companies to achieve sustainable development goals.



AL-MUSTAQBAL UNIVERSITY COLLEGE

**1ST INTERNATIONAL FORUM OF UNIVERSITIES
STUDENTS FOR PROMOTING SUSTAINABLE
DEVELOPMENT GOALS (SDGs)**



**AL-MUSTAQBAL UNIVERSITY
COLLEGE'S ACTIVITIES TO ACHIEVE
THE SUSTAINABLE DEVELOPMENT
GOALS**

1 NO POVERTY



2 ZERO HUNGER



SDG 1: No Poverty

SDG 2: Zero Hunger

Introduction:

Al-Mustaqbal university college staff achieved alongside their students a lot of activities to attain the goals of the sustainable development. Various activities in voluntary campaigns, projects, seminars, and awareness sessions to support the small projects that contribute and enables the owners of those projects to provide prosperous living to their families.

The college activities aim to attain the 1st and 2nd goals

Volunteering campaigns:

- Distributing electrical heaters to the poor families.
- Awareness campaign to includes distributing clothes to children at the orphanage institution.
- Supporting the poor families to compensate the poor impact.
- Visiting orphanage.
- Helping poor families in Babil province.
- Campaigns to distribute food baskets.
- Organizing volunteering campaigns to visit the elderly community and implanting various types of flowers entries.
- Implanting more than 2000 trees productive tree to increase the agriculture yielded.

The campaigns and awareness seminars:

- Food insurance and its role in illuminating poverty.
- Awareness program about the food security.
- The impact of weather on the agriculture in Babel province. (Barley and wheat as a typical example).

Supporting the small projects:

- Supporting the establishment of a barbershop by supplies.
- Supporting the project of establishing a specialized Clinics by supplies.



Supporting small projects as a contribution from Al-Mustaqbal College to attain the first goal of the SDGs, which is No Poverty. The specialized nursing clinic was equipped with complete medical devices and equipment for an unemployed woman of three children.

A campaign under the name "we care", distributed food baskets (approximately 100 Baskets) in slums in Babil Governorate for needy families with approaching the holy month (Ramadan).



كلية المستقبل الجامعة

MUSTAQBAL-COLLEGE



SDG 3: Good Health and Well-Being

Introduction:

The medical departments had an active role in this goal. The activities varied from awareness campaigns inside and outside the college about the importance of health, medical issues, and scientific lectures on epidemics and Non-infectious diseases as well. The activities also included donating various medical devices to hospitals and health centres that suffer from a shortage of several devices.



Raising the awareness of the increased risk that pregnant women suffer from Anemia during pregnancy, which negatively affects the health of the mother and child, and to raise awareness for pregnant women by visiting some medical centres that care for pregnant women.



This awareness campaign about danger facing children who work in the streets and the psychological and physical danger they are exposed to. Also, diseases as child abuse is one of the global problems that leads to severe consequences that last for life.

Activities of the College to attain the 3rd goal

- **Awareness campaign**
 - Awareness campaign for “Baraem Al-Furat” Primary School students about their teeth and how to take care of them.
 - Awareness campaign about cleaning materials at its effect on pregnant
 - Awareness campaign about drugs and its effects on the immunity system.
 - Awareness campaign to prevent cardiovascular diseases
 - Awareness campaign about the harmful effects of excessive use of smart phone by children.
 - Awareness campaign about the impact of Corona on pregnant.
 - Awareness campaign about the indiscriminate use of medicines without consulting a doctor.
 - Awareness about the infectious Disease.
 - Psychological healthiness of the homeless children.
 - The effect of Anemia on children.
 - The psychological healthiness of autistic patients
 - Protecting pregnant from Anemia
 - Lymphoma and early detection method
 - Oral and dental health and the prevention of caries
 - The effects of smoking on the teeth
 - Oral health problems for the elderly
 - Awareness campaign on the proper disposal of expired medicines from home
 - Awareness campaign inside the college about the dangers of using plastic bags
 - Awareness campaign about the dangers of repeaters and internet towers on health.
 - Awareness campaign entitled Radiation damages of medical devices in state health institutions
 - Awareness campaign to isolate and control ionizing radiation in medical radiography clinics
 - Awareness campaign about early detection of breast cancer
 - A voluntary campaign to teach primary school student the correct way to wash hands to prevent infectious diseases.
 - Effect of drugs on society.
 - Awareness campaign about diabetes and high blood pressure.

3 GOOD HEALTH AND WELL-BEING



Lectures, seminars, and workshops

- Practical workshop on first aid and occupational health and safety for laboratories
- A scientific seminar to introduce thyroid diseases
- Awareness workshop on rabies, its risks, methods of prevention and treatment, and the necessary measures to be taken in case of infection
- The danger of laboratories and the role of CBRN in universities
- Natural childbirth without pain
- The basic principles of anaesthesia drugs
- A scientific workshop for anaesthesiology technician and keeping pace with the modernity of the world
- Breast cancer and self-examination method
- Electromagnetic waves and their effects on public health
- Dental prevention needs
- The effects of smoking on the teeth sedatives
- Awareness lecture on the relationship of oral health with heart disease
- Awareness lecture for oral and dental health care.
- Awareness seminar on therapeutic methods to replace missing teeth
- Awareness lecture for oral and dental health care
- Drug habit among adolescents
- Typhoid disease: symptoms, treatment, and prevention methods
- Seminar and brochure distribution on Corona disease (Covid-19): its symptoms, methods of prevention, and knowledge of the types of vaccines licensed by the Ministry of Health
- Teaching students to use the appropriate radiation dose for each organ
- Sports and Obesity
- Psychological effects of drug addiction
- Misuse of antibiotics and its harms
- The phenomenon of drug spread in society
- A scientific workshop entitled the importance of using electromagnetic waves in medicine and diagnosis
- A scientific workshop entitled (Eye Safety)



Seminar inside Al-Mustaqbal university college about mouth breathing and its negative effects on human health (such as gingivitis, enlargement, and the increase in dental plaque levels which is common effects for people who breathe from their mouths chronically).

Donation campaigns

- Donate evaporation devices to Babel educational Hospital.
- A campaign to donate medical supplies for intensive care unit to the Children Hospital
- Donating the Laryngoscopy Lad device to Al-Kifl Hospital



Visiting children with autism and distributing in-kind gifts to them. The activity urged the acceptance of autistic patients, their integration into society, and their treatment in various aspects: behavioral therapy, educational therapy, family therapy, and drug therapy.

SDG 4: Quality Education

4 QUALITY EDUCATION



College's Activities in achieving SDG4

• Awareness campaigns

- I have the right to learn
- Isolation and control of ionizing radiation in medical radiography clinics
- Aims and ways to learn English language by using modern means
- Urging students to develop reading and writing skills
- An awareness campaign to distribute brochures (readiness to teach)

• Lectures

- A lecture to introduce the safe handling of laboratory chemicals
- 2030 Agenda for Sustainable Development in the Field of Education Development
- Methodology of scientific research and the mechanism of writing graduation projects
- Education for Sustainable Development: Challenges and Opportunities
- Improving students' learning styles
- Develop thinking skills
- A campaign to donate books to the central library
- A workshop on the instructions of the Examination Committee for the exams of the first month for students of the first stage
- Develop computer science software to develop students' capabilities in using computers and technology
- A scientific workshop entitled recognition of vowels in English language
- Distance learning and education between need and effectiveness
- What is the mammogram device for simple x-ray mammography?
- How to use modern methods in learning English
- English language skills
- 1st Media Dialogue forum for the year 2022
- Giving lectures on SDGs



A symposium entitled "The importance of education and how to exploit the scientific specialization to achieve a comfortable life".



A voluntary campaign to distribute stationary to pupils in celebration of the international education day.

5 GENDER EQUALITY



10 REDUCED INEQUALITIES



SDG 5: Gender Equality SDG 10: Reduced Inequalities

Introduction

The University's Future College realizes that women are an essential pillar of society, and that ensuring their rights, the same as the opposite sex, is one of the important steps to achieve sustainable development. This goal included lectures, awareness campaigns, seminars, and the distribution of brochures on gender equality, as well as research on the effective participation of women in socially and economically sustainable development plans. As for the activities of the tenth goal, this goal included the activities of humanitarian volunteer campaigns carried out by the college for some orphanages and charitable institutions, clothing orphan children, and the establishment of services for students with special needs.

Al-Mustaqbal University College activities in achieving SDG 5

• Awareness campaigns

- Valuing the role of women in society
- An awareness campaign to introduce gender equality
- An awareness campaign to reduce the obstacles faced by women in society
- A voluntary guidance campaign and distribution of introductory brochures on women's rights and the need for them to take their full space in society
- An awareness campaign by distributing educational brochures on gender equality

• Volunteer campaigns

- A voluntary and humanitarian campaign to the orphanage
- Field visits to orphanages
- A voluntary campaign that includes clothing for children within the Orphan Charity Foundation

• Lectures

- We work together to combat the violence and oppression of women, each from his position
- Inclusion and gender equity in the classroom
- A training workshop entitled How to defend yourself



Training course on 'How to defend yourself'



Regular visits to orphanage to achieve SDG 10



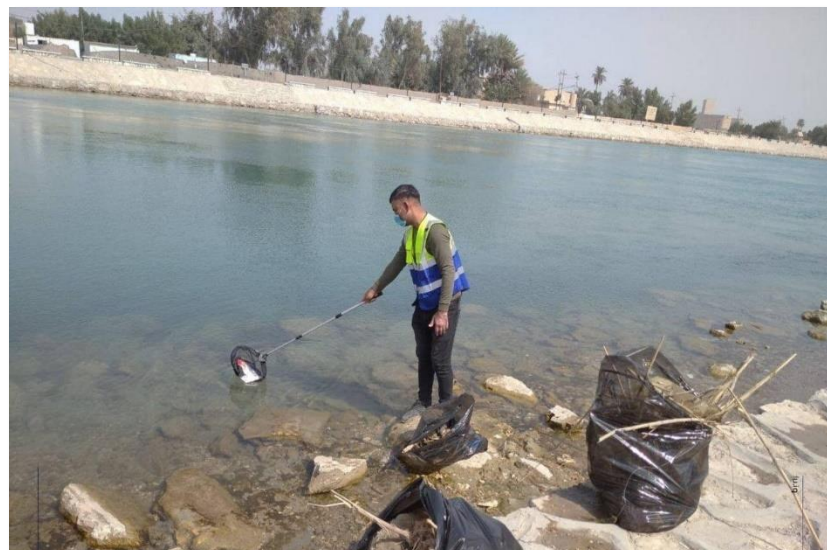
SDG 6: Clean Water and Sanitation

Introduction

Water is of paramount importance in daily life because it is the source of life. Al-Mustaqbal University College has various activities achieve this goal. Activities included awareness and voluntary campaigns to remove waste and pollutants from water sources, scientific lectures and innovations related to filtration processes, in addition to displaying means that reduce water consumption.



A voluntary campaign to clean the banks of the Shatt al-Hilla.



Voluntary campaigns to clean the banks of the Shatt al-Hilla River from dirt and pollutants.

College activities to achieve SDG6

• Awareness campaigns

- Maintaining the water of Shatt al-Hilla and not throwing waste and dirt in it
- Awareness campaign to reduce water pollution
- An awareness campaign on reducing water pollution and rationalizing water consumption
- A voluntary campaign to clean the Shatt al-Hilla
- Voluntary campaign (Together for clean, pollution-free water)
- Preserving the shores of rivers and lakes
- Maintaining gardens and parks
- An awareness campaign on "Water is a blessing, do not waste it"
- An awareness campaign to protect water from pollution
- An awareness campaign on ways to rationalize water consumption

• Scientific lectures

- Groundwater pollution causes and treatment
- The negative effects of water pollutants on human health
- Wastewater treatment workshop
- A scientific workshop entitled "Removing heavy metals from groundwater using solid agricultural waste"
- Water pollution and treatment methods

• Innovations

- Presentation of additives to reduce the use of water in the concrete industry
- Manufacture of a home water purification system for remote areas using a filter made of recycled materials

7 AFFORDABLE AND CLEAN ENERGY



SDG7: Affordable and Clean Energy

Introduction

The College of the Future is distinguished in its activities aimed at achieving the seventh goal. The activities included creating solar cells from recycled materials, designing three-dimensional models that illustrate environmentally friendly energy sources, volunteer campaigns to illuminate buildings and college yards with solar energy, and many projects and training courses for students on how to use solar energy systems.

College activities to achieve SDG 7

• Volunteer campaigns

- Illuminating the buildings and yards of Al-Mustaqbal University College with solar energy
- Installing a solar heater for the shrine of the Prophet of God Ibrahim Al-Khalil
- Equipping the shrine of the Prophet of God Job (peace be upon him) with lamps of economical consumption.

• Awareness campaigns

- An awareness campaign entitled: using of solar energy and types of solar energy systems
- The importance of water and how to conserve it from waste, as it is one of the important sources in generating electric power
- Energy Efficiency
- Recycle waste and turn it into energy

• Scientific lectures and symposia

- Identify the types of solar collectors
- Water turbines: renewable and sustainable energy
- A lecture entitled (Green Energy and Means of Achieving Sustainable Development Goals in Iraq)
- The impact of renewable energy on the environment
- Using solar energy for preheating ventilation devices
- Renewable energy as an alternative to oil
- Solar cookers are an alternative to traditional cookers



Solar cells that installed by the staff of the Air Conditioning and Refrigeration Technologies Engineering Department

• Graduation projects and innovations

- Solar collector plate
- A comparative study of the performance of a solar collector in the parabolic basin using oil and liquid water
- The effect of regular and irregular dust on the performance of solar cells
- Design and manufacture of equivalent thermal energy solar collector
- Estimation of horizontal wind energy intensity in Hilla, Babylon, Iraq
- A comparative study between the energy consumption of a conventional air conditioning system and an air conditioning system with the help of solar energy
- Design and testing of a solar water pumping station
- Manufacture of SOLAR POWER TRAINER
- Manufacture of a solar cell from recycled materials



Part of the solar cell system, which supplies the University College of the Future with part of the energy requirements

SDG 8: Decent Work and Economic Growth

8 DECENT WORK AND ECONOMIC GROWTH



Introduction

This goal seeks to promote a global and sustainable economy, full and productive employment, and decent work for all. It included awareness campaigns within the college about how to establish a successful industrial or commercial project, research on managing and supporting small projects, and lectures on the problem of financial sustainability in the light of the entire economy.



Entrepreneurship Competition (Intilaq)

College activities to achieve SDG 8

- Awareness campaigns
 - In campus awareness campaign on steps of establishing a successful industrial or commercial project
- Scientific lectures
 - The degree of contribution of each governorate of Iraq to sustainable development
 - The problem of financial sustainability considering the rentier economy
 - Small business projects management
- leading businesses
 - Supporting small projects
 - Entrepreneurship Competition (Intilaq)



MUC career fair



Introduction

This goal aims to build resilient infrastructures, promote comprehensive and sustainable industry, and foster innovation. The college's activities included many scientific lectures and innovations presented by students in the industrial and medical fields.

College's activities in SDG 9

• Scientific lectures

- Drones for food security
- The use of two-dimensional materials in renewable energies

• Innovations

- Manufacture of a device for calculating the thermal expansion coefficient for metals
- Fabrication of a convective heat transfer device inside a circular tube using a short, twisted bar
- Magnetic Mixer Design
- Design and manufacture of an orthosis to protect partially amputated feet in diabetic patients
- Wheelchair control system using brain computer interface (EPOC X device)
- Smart chair design
- Design and manufacture of joint models for a prosthetic foot
- Smart Blind stick
- Numerical investigation to add a personal ventilation system in addition to the hybrid ventilation system inside isolated office rooms
- A practical study of the occurrence of cavitation at the pump inlet.
- (Numerical and experimental investigation of composite mechanical properties)
- Experimental study of the mechanical properties of Nano composite materials using multi-metal Nano/epoxy powder
- Manufacture of a smart system to monitor the performance of air conditioners
- Three-dimensional stereoscopic design that shows the method of converting solid waste into electrical energy



Manufacture of prosthetic legs from carbon fibre



A wheelchair control system using a brain computer interface.

SDG 11: Sustainable Cities and Communities.



SDG 12: Responsible consumption and production.

INTRODUCTION

This eleventh goal aims to make cities and human habitats inclusive, safe, resilient, and sustainable.

The twelfth goal seeks to adopt sustainable consumption and production patterns. Activities in these two objectives varied, including scientific lectures, awareness campaigns, and scientific studies.

College's activities to achieve the eleventh and twelfth goals:

Lectures:

- The management and treatment of chemical waste in educational laboratories.
- Use of ceramic waste in concrete mixtures.
- Waste Recycling.
- Effect of recycled rubber crumbs car tires on the properties of the asphalt binder.
- The effect of adding plastic waste on the properties of the asphalt mixture.
- The effect of using concrete waste as coarse aggregate on concrete strength.
- Use of clay brick waste as a substitute for coarse aggregate.
- The effect of adding ceramic residues as a partial substitute for coarse aggregates on some engineering properties of concrete.
- Production of lightweight concrete using polystyrene waste.
- The importance of recycling waste materials.



Seminar about sustainable buildings

Awareness campaigns

- An awareness campaign to encourage the environmental protection of university campus.
- Reducing the use of plastic to protect the earth environment.
- A voluntary campaign to raise the responsible production and consumption to achieve sustainable cities.
- An awareness campaign on how to preserve the environment.
- Transformation of the recycled waste to clean energy.

Innovations

- Development of a solar cell from recycled materials.
- A pilot study to design and implement a motion sensing system to transform traditional buildings into more energy-efficient smart buildings.



Using clay brick waste as coarse aggregate as an alternative to natural coarse aggregate in concrete



SDG 13: Climate Action

INTRODUCTION

This goal includes afforestation campaigns inside and outside the college, planting evergreen trees to reduce environmental pollution, as well as voluntary campaigns to clean gardens and parks, and awareness campaigns about the importance of afforestation to reduce desertification.

Colleges' activities to achieve SDG 13

• Awareness campaigns

- An awareness campaign about the damages of Freon gas to the ozone layer.
- Distribute awareness brochures to students about plastic waste.
- Possible approaches to reduce desertification
- An awareness campaign on how to preserve the ecological system.

• Planting campaigns

- A campaign to plant multiple types of flowers and evergreen trees.
- Planting trees inside the green spaces of faculty.
- Planting campaign inside the vocational Education Department in Babylon.
- Donation of evergreen plants to increase green spaces.

• Lectures

- Deterioration the ozone layer and global warming
- The effect of industrial household waste on environmental pollution and methods of treatment.
- The right to a safe climate between reality and challenges.



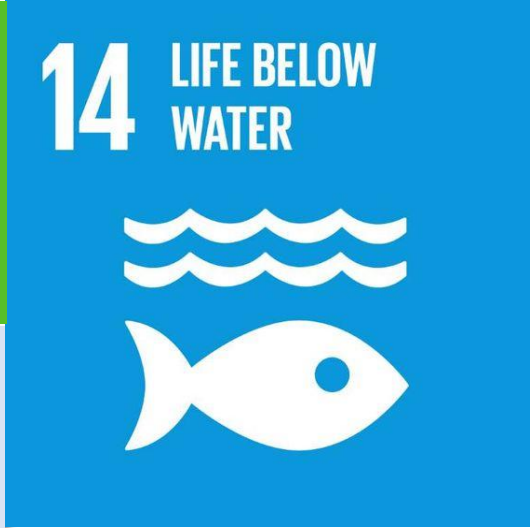
Trees Planting campaigns carried out by students inside the faculty campus



Participation of the dean in planting campaigns

SDG 14: Life Below Water

SDG 15: Life on Land



INTRODUCTION

This goal includes awareness campaigns about the dangers of plastic materials to the lives of creatures under water and how to preserve these creatures, as well as the release of more than 100,000 fish in the rivers of Babil governorate. The fifteenth goal included voluntary campaigns to plant rare trees and inside the college, in addition to workshops and seminars, and distributing brochures on the need to protect endangered organisms.

College's activities to achieve SDG 14 and SDG 15

- A campaign to plant trees inside the campus of the college.
- Planting rare trees in the green areas of the college.
- An awareness campaign about the dangers of plastic materials to underwater organisms.
- Installing nests for birds and distribute them on trees inside college's campus.
- Planting a rare jacaranda tree in the green areas of the college.
- Underwater life preservation campaign.
- Release more than 100,000 fish in Shatt al-Hilla river.



Installing bird's nests on the trees inside the college



Release more than 100,000 fish in Shatt al-Hilla river.

17 PARTNERSHIPS FOR THE GOALS



16 PEACE, JUSTICE AND STRONG INSTITUTIONS



SDG 16: Peace, Justice & Strong Institutions

SDG 17: Partnerships for The Goals

INTRODUCTION

The sixteenth goal seeks to achieve safe and inclusive societies for all for sustainable development, grant a just judiciary to all, and build effective, accountable, and inclusive institutions at all levels. As for the seventeenth goal, it aims to strengthen the means of implementation and revitalize the global partnership for sustainable development.

The college's activities in achieving the sixteenth & seventeenth goals

Awareness campaigns

- A campaign to end all forms of violence against children
 - Lectures
- The importance of the biological, chemical, and genetic unit in the Medical Laboratories Division
- Scientific studies submitted to local government departments
- Nazism and its uprooting, and de-Baathification / a comparative study
- Preventive measures to confront overweight and obesity among children and adolescents in Babil Governorate
- An introductory and detailed study of the causes of deformations of structural buildings constructed in Babil Governorate
- Architectural and structural plans for a proposed six-grade rural school
- Information technology in quality education and its role in achieving sustainable development
- Measuring and evaluating the financial performance of companies
- Renewable clean energy - solar energy and the possibility of investing it in the province of Babylon
- The spread of pinworms and ascaris among people under the age of fourteen years in the city of Hilla
- The possibility of installing plants to generate electric power by solar and wind energy in Babil Governorate
- Smoking and drugs
- Renewable clean energy (solar energy) and the possibility of investing it in Babil Governorate
- The impact of climate change on agricultural production in the province of Babylon (wheat and barley as a model)



An awareness campaign to reduce the phenomenon of violence against children by raising awareness of the dangers of (psychological and physical violence). The department's staff distributed illustrated panels to departments and college cadres that reflect the negative effects resulting from this type of violence. This activity comes in fulfilment of goal 16 of the sustainable development goals.

Partnerships with local government departments

- The General Directorate of Education of Babylon Governorate
- Directorate of Maintenance of Irrigation and Sewer projects in Babylon
- Babylon Health Department / Mental Health Office
- Babel Health Department/ Director General's Office/ Women Empowerment Unit
- The General Company of Middle Euphrates to produce Electricity
- Teachers Syndicate / Babylon Branch
- Ministry of Youth and Sports / Babel Branch
- General Company for Communications / Babel
- Engineers Syndicate / Babylon Branch
- Directorate of Nationality and Passports of Babylon
- Directorate of Water Resources / Babel
- Marjan Teaching Hospital
- Sports Talent Care Centre
- The Department of Environmental Protection and Improvement in the Middle Euphrates Region
- Sports Talent Care Centre / Babylon Governorate
- Babil Governorate Office / Directorate of Labour and Social Affairs

17 PARTNERSHIPS FOR THE GOALS



Dean of Al-Mustaqbal University College receives a delegation from the University of Technology to strengthen bilateral relations between the two institutions and activate past agreements.

Partnerships with local universities

- University of Technology
- Wasit University/ College of Computer Science and Information Technology
- Al-Qadisiyah University / College of Medicine
- Babylon University/College of Nursing
- University of Kufa/UNESCO Chair for Dialogue
- Babylon University/College of Law
- Al-Qadisiyah University/ Central Library
- Central Technical College / HVAC and Refrigeration Technologies Engineering
- University of Babylon / College of Administration and Economics
- Karkh University/College of Science/Department of Medical Physics
- Al-Nahrain University / College of Information Engineering

Partnerships with international universities

- Amir Kabir University, Iran
- Kashan University, Iran
- University of Tabriz, Iran
- Beheshti University, Iran
- University of Tehran, Iran
- The Islamic University, Lebanon
- National University of Malaysia
- Georgia Technical University
- Al-Zaytoonah University, Jordan
- University of Applied Sciences, Jordan
- Renewable Energy Institute, Malaysia
- Karamanoglu Mehmet Bey University, Turkey
- American University in Lebanon
- Kruzny University, Turkey
- Al-Ahliyya Amman University
- Satya Bama Institute of Science and Technology (Chennai), India
- University of Southern Queensland
- Altinbaş Üniversitesi



Dean of Al-Mustaqbal University College, Prof. Dr. Hasan Shaker Majdi signs a scientific and academic cooperation agreement with the President of Altinbaş University in Istanbul, Turkey

AL-MUSTAQBAL UNIVERSITY COLLEGE

1ST INTERNATIONAL FORUM OF UNIVERSITIES
STUDENTS FOR PROMOTING SUSTAINABLE
DEVELOPMENT GOALS
(SDGs)



SUSTAINABLE INNOVATIONS EXHIBIT



SUSTAINABILITY INNOVATIONS EXHIBIT

Introduction

Activities accomplished by both the college's staff and students were not only limited to voluntary campaigns and scientific lectures to achieve the sustainable goals, but they went far and beyond to innovations and practical implementations that can be used in the industry to achieve these goals. The following are examples of the shown exhibits.



Laboratorial and smart incubator

Several medical devices engineering students made a distinguished contribution to manufacture and program a smart baby incubator. This contribution was made to implement two of the 17 sustainable development goals, specifically the third goal (good health and well-being) and the ninth goal (industry, innovation and infrastructure)

Design and manufacture of an orthosis to protect partially amputated feet in diabetic patients

Design and manufacture of an orthosis for diabetic patients who suffer from partial amputation at foot level to protect the amputated area from infections and ulcers, which may lead to additional amputations. The orthosis was designed to relieve the load on the amputated foot and strengthen the orthosis by using carbon fibers to reduce weight. It was tested on a patient and the results were very encouraging.





Solar collector dish

The present work experimentally examines a solar dish collector for thermal power generation. The pilot rig consists of a solar dish collector, water tank, controlled tracking system, flow meters, thermocouples and heat recorder in order to know the useful energy and efficiency of the collector.

Fluid withdrawal and dialysis medical device

This device was designed and manufactured for the purpose of withdrawing fluids and perform kidney dialysis. These machines are designed to be portable in hospitals and can be operated using an electric current.



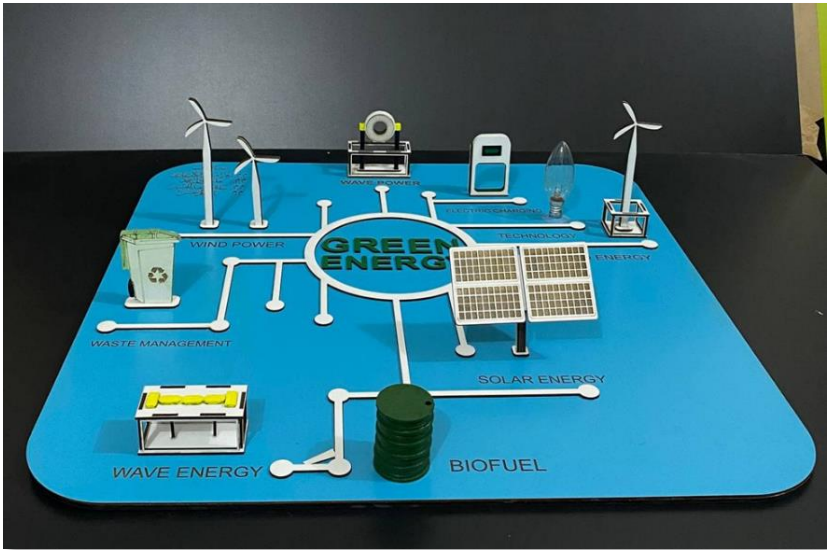
Manufacture of a home water purification system for rural areas using waste construction materials

The idea is to use filter materials made from construction waste materials to filter the water entering the house from impurities and harmful elements and to preserve vital materials and minerals in addition to eliminating the bad taste in tap water at a reasonable cost.



Smart cane for the visually impaired
Design and implement a smart cane for visually impaired people to help them be alerted by issuing a sound when obstacles exist in their way.

Solar collector
This effort focused on the design and manufacture of an equivalent solar thermal collector. The aim of this work is to study the conversion of incoming solar energy into thermal energy to achieve some important applications in the use of solar thermal energy.



3D model design showing sustainable energy sources
This model was made to familiarize others with sustainable energy sources and the opportunity to invest in them correctly. Adopting such environmentally friendly energy reduces the generation of greenhouse gases in the world leading to the reduction of global warming.

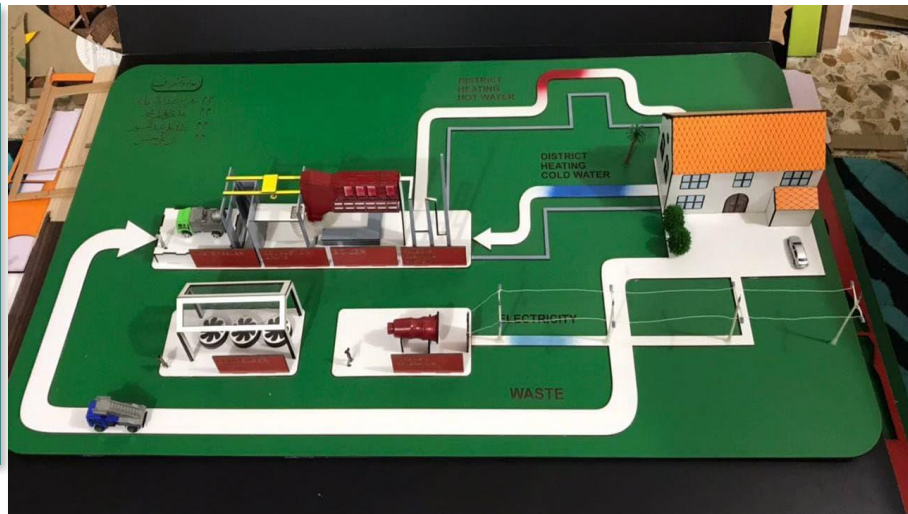


EPOC X Brain Computer Interface Wheelchair Control System

The goal of this work is to create a wheelchair for the disabled that is moved by generating electrical signals in the brain to the wheelchair directly using the EPOC X computer. This is done through a miniature model of the wheelchair to simulate the process where the communication system was designed using the Arduino program.

3D model showing the process of converting solid waste into electrical energy

This model shows how to convert solid waste into electrical energy. Such a conversion process has many benefits. In addition to obtaining energy, the cost of managing solid waste in the country is reduced, emissions of methane, carbon dioxide and other greenhouse gases are reduced, thus reducing air and soil pollution.



Recycling of various types of environmentally harmful construction waste

Construction wastes were reused in a safe and useful manner in the form of filler powders and coarse and fine aggregates to produce sustainable concrete. Results show that sustainable concrete showed properties like that of the original concrete products. Construction Wastes included:

- Plastic waste, such as fiber
- polystyrene.
- Remnants of building materials such as bricks and ceramic tiles.

AL-MUSTAQBAL UNIVERSITY COLLEGE

1ST INTERNATIONAL FORUM OF UNIVERSITIES
STUDENTS FOR PROMOTING SUSTAINABLE
DEVELOPMENT GOALS
(SDGs)



KEYNOTE LECTURES

Keynote lecture 1:

Iraqi Forum for sustainable development

Speaker: Dr. Essam Sabah Ibrahim

Head of the sustainable development department – Iraqi ministry of planning



To increase knowledge and moral communication with Iraqi people, it was proposed to adopt the sustainable development goals (SDGs) on a comprehensive national level through the promotion of SDGs' interaction with the current situation in Iraq. This concept was implemented into reality by forming specialised committees for the SDGs' indicators and targets. The outputs were come over through the establishment of control panel with ministerial number 23-2020. This panel is concerned with SDGs and was divided into sub-panels in the Iraqi governorates. Furthermore, specialised teams were created to involve with SDGs and to continue the work related of localise SDGs procedures to achieve the global agenda of sustainable development by 2030. This progression has implied a shared interaction between the SDGs and the Iraqi public, which resulted of a social and virtual/physical project termed as the "***Iraqi forum for sustainable development***". The forum was established to consider the issues related to the sustainable development in Iraq such as symposiums, surveys, worships, research, and conferences.

The efforts towards should include all the SDGs without leaving any goal behind. The Iraqi Ministry of Planning has concentrated on achieving all goals with a particular focus on SDG 17 (partnerships goal). As we live on the same planet, we should initiate partnerships to face the possible challenges such as wars, poverty, and pandemics. These challenges can influence our prosperity, food, and water security. The Iraq Forum for Sustainable Development will, in the immediate term, serve as Iraq's gateway to the 2030 Agenda by presenting everything related to the seventeen SDGs related to Iraq with an attempt to transfer professional experiences and expertise through communication. A special team has been formed to supplement this forum, which is considered a nutritional contact point represented by the awareness and education team and other contact points approved by the Ministry of Planning.



Keynote lecture 2:

The role of Planning in achieving sustainable development goals

Speaker: Khalid Kadhim Al-Salihy

Director of Babylon's planning department – Iraqi Ministry of Planning



The tendency towards sustainable development has emerged as a response to the pollution that resulted from the industrial revolution after World War II, when several conferences related to the environment were held under the sponsorship of the United Nations. In 1992, the entire international community endorsed 21st century agenda, which was called the Earth Conference, which represents a global plan of action to achieve the goals of sustainable development. During the 2000 Millennium Summit, the United Nations Millennium Declaration was issued, represented by 8 goals, 22 targets and 169 indicators. During the Rio 20 Summit, which was held in Brazil In 2012, world leaders met and resulted in the sustainable development agenda, currently known as the 2030 Agenda. It represents the general principles for drawing the road map to achieve the 17 goals, represented by 169 goals and 269 indicators, according to a strategic vision for countries and actors, including Iraq, so that everyone enjoys equality. The message of sustainable development is to consolidate conceptual frameworks and scientific methodologies for sustainable development in accordance with realistic implementation mechanisms and add knowledge based on institutional building and effective development partnerships.

Why sustainable development goals?

- Drawing a roadmap for our future.
- Improving the quality of human life.
- Resuming the path of balanced development.
- Meeting the needs of the current and future generations.
- Unifying the path of society and the state (a new social contract).
- Participation... includes everyone and targets everyone.
- Offers options for sustainable and innovative solutions to the competitive advantage of the economy away from oil.
- It proceeds from a real analysis of the present and anticipates future changes and their effects on the potentials and drivers of growth through a national strategy for sustainable development.



Keynote lecture 3:

Education challenges in Babil governorate

Speakers:

Prof. Dr. Mohsin Al-Fraigy, Advisor to the Ministry of Higher Education and Scientific Research.

Mr. Radhi Obaid Hejwal, Assistant Director of the Babel Education Directorate.

4 QUALITY EDUCATION



The number of governmental schools in Babil Governorate is estimated of 800, most of which work with double shifts, due to the demolition of many of them, that need to be rehabilitated again, without finding an alternative for the demolished ones. Several teachers have agreed that the demolition of several schools has intensified the occurrence of double and triple shifts, causing chaos in the educational process.

We faced real problems, represented by the transfer of number of students to other schools, due to the demolition of their schools, which led to an increase in the number of students in one class, and caused a real concern for us, and greatly affected the success rates achieved.”

The assistant director of Babil Education directorate confirmed that nearly 500 schools, out of 800, have not completed rehabilitation, a large part of which is distributed in the governorate centre, in addition to the schools located in the districts and the northern and southern districts of Babel.

A recent study conducted by the Department of Social Research at the University of Baghdad stated that more than 16% of Iraqis suffer from illiteracy, including a large proportion of young people.



From another side, the problem of double or triple shifts is one of the problems that the educational sector suffers from in many areas of the capital, Baghdad, and all governorates of the country. This problem emerges because of the shortage of buildings, and it is widely spread in areas with high population density, which has caused great suffering for students and parents alike.

In the same context, the education of girls between the ages of 6 and 12 years suffers from great abandonment in Babil Governorate, some of which is due to the nature of the tribal society, and the other part is due to the government's abandonment to expand education in that region, and the third part is the unstable security situation. The statistics have shown that only 4 girls out of 10 in that region complete their primary education.

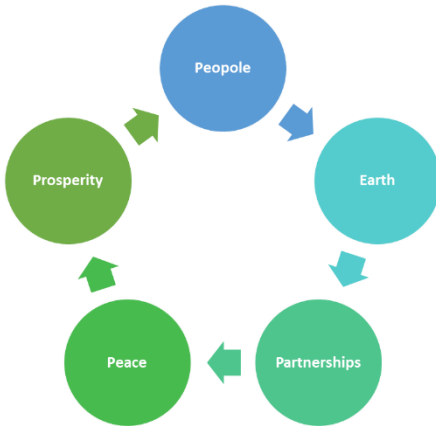
Keynote lecture 4:

The role of universities in achieving sustainable development goals

Speaker: Prof. Dr. Mohammed Ali Al-Anbary

Department of Architectural Engineering, Faculty of Engineering, University of Babylon.

Sustainable development has many definitions, and the common definition states what could be developed and what could be sustained. The elements that could be developed are people, economy, and society. Nature, preservation of life and social communication could be sustained.



Targeted elements in sustainable development

17 PARTNERSHIPS FOR THE GOALS



The role of Arab universities in achieving sustainable development goals can be valorised through the following key points:

1. Introducing new modern educational programs.
2. Strengthening research programs in specialized universities on sustainable development goals.
3. Establishing new institutions at the university level to coordinate the activities of the sustainable development goals.
4. Establishing sustainable projects inside and outside the university.
5. The university's involvement in communication and leadership programs by bringing together all major stakeholders from governments, business institutions and civil society organizations to cooperate to achieve the sustainable development goals.



Keynote lecture 5:

The use of various techniques for the disposal of medical waste

Speaker: Dr Rafah Fakhri Al-Jebory

Head of medical laboratories, Babylon health directorate

Medical wastes are those wastes that are produced from materials used to examine, diagnose, and care for patients, whether inside or outside the health facility. These wastes include needles, syringes, cotton, gauze, remnants of samples contaminated with blood and fluids from patients, chemical and radioactive waste. Surgical remnants of human organs and others. These wastes are considered among the most dangerous types of waste for the environment and human health. Because it contains bacteria, viruses, fungi, and other pathogens that come from the patient himself, so it is one of the most common causes behind the emergence of rapidly spreading diseases and epidemics that kill people's lives. Most hospital waste is infectious biological material or objects, which although considered "municipal" waste, are contaminated; Infectious objects include textiles, dressings, syringes, and other objects exposed to infection through contact with patients.

Most of the waste generated by hospitals consists of special surgical instruments, such as surgical implants and other instruments used during operations.

Medical waste disposal methods:

Due to the danger of this waste, several methods have been devised to dispose of it, as follows:

Landfill: A place away from residential areas is chosen and the waste is landfilled with great care so that none of it leaks out.

Incineration: a specific place is chosen by the specialised authorities, and the waste is then placed there to be incinerated.

Thermal disposal: This method is based on applying radiation on waste to get rid of it, and this method is considered one of the most advanced methods in this field and is also considered one of the best.

3 GOOD HEALTH AND WELL-BEING



Keynote lecture 6:

Solar Energy Applications in Iraq - Reality and Challenges

Speakers: Assist.Prof. Dr. Azhar Mohsin Abd, Head of HVAC technologies engineering, Al-Mustaqbal University College.

Senior Chief Engineer Mr. Jawad Kadhim Abbas, Director of Quality and Institutional Development / General Directorate of Electricity Production, Middle Euphrates.

International trainer Mr. Mutasim Shakir Kadhim

Mr. Radhwan Falah, director of the Al-Mustaqbal Al-Akhdar company.

Mr. Yahia Ihasan, Al-Mustaqbal Al-Akhdar company.

The gas generated from crude oil processing is one of the major sources of greenhouse gas emissions into the air. These gases include hydrogen sulfide, volatile hydrocarbon gases, and aromatic compounds. The danger of these gases lies in the fact that they are toxic and carcinogenic compounds, in addition to black smoke in the air because of incomplete combustion. These gases cause many health and environmental problems in Iraq. There are also liquid pollutants that are drawn out during production and are among the largest waste by volume. This water contains a complex mixture of inorganic compounds and quantities of petroleum materials.

The real alternative is to switch to renewable, clean, green alternative energy. Because of the increasing need to provide electrical energy, both in terms of generation and transmission to homes through complex networks, and due to the high increase in population, environmental challenges and climate change, the world has increased interest in renewable energy sources and to reduce carbon emissions.

7 AFFORDABLE AND CLEAN ENERGY



Possible solutions

- Urging academics, environmental experts, engineers, and teaching staff in universities, institutes, and schools for voluntary work to preserve the Iraqi environment.
- Developing large scales and applicable projects based on the use of renewable energy such as solar energy.
- Strengthening research, education and to move to the environmental construction friendly renewable and clean energy projects, especially solar energy, and solar panels, and providing them at low prices, and even free of charge for homes inhabited by poor and poor families
- Legislating a special law for the use of renewable and clean energy, including the use of solar panels in all state institutions, and ensuring waste recycling operations.



Keynote lecture 7:

Work is the best option to end poverty

Speakers: Prof. Dr. Jawad Al-Bakry, Faculty of Administration and Economics, University of Babylon.

Assist.Prof. Dr. Amjed Hameed Majeed, Al-Mustaqbal University College.

Poverty is the state in which a person lives below the limit of subsistence, represented by malnutrition and starvation to death. The United Nations have defined this limit as the level of per capita daily income of one dollar or its equivalent in national currencies, according to the official exchange rates for the value of the dollar. It represents the social groups that carry poverty in contemporary society. It also includes the low-income wage earners who earn their living from their daily work. The population classified as out of manpower includes the elderly, children and the disabled. Likewise, populations subject to discrimination, such as women and members of political and ethnic minorities. This classification includes members of the middle class, small business owners, and self-employed, as their vulnerability to poverty increases due to economic crises, fluctuations in business cycles, taxes, pricing policies, customs protection, structural changes, declining purchasing level.

1 NO POVERTY



Possible solutions:

- Impede the poverty rate and its impact on society.
- Develop effective plans to eradicate poverty by governments.
- Community collaboration to eradicate poverty.
- Promote communities to implement the sustainable development plan.
- Increasing support for small and entrepreneurial projects to eliminate unemployment and increase employment levels.
- Supporting projects for the private investment sector to employ a greater percentage of those below the poverty level.



Keynote lecture 8:

Gender Equality

Speakers: Prof. Dr. Salam Al-Fatlawi, Vice-Chancellor of Babylon University for Administrative Affairs.
Prof. Dr. Ammar Al-hussainy , Al-Mustaqbal University College

Gender equality means that women and men have the same opportunities, rights, and obligations in all different areas of life. It means greater freedom for everyone, so everyone can be who they want and feel safe. Women and girls represent half of the world's population, and therefore half of its capabilities. Gender equality, besides being a basic human right, is essential for peace in societies. Moreover, empowering women has been shown to stimulate productivity and economic growth.

Unfortunately, there is still a long way to achieve full equality of rights and opportunities for men and women as the UN has reported. Therefore, it is critical to end the multiple forms of gender violence and ensure equal access to quality education, health, economic resources, and participation in political life for women, girls, men, and boys. It is also necessary to achieve equal opportunities in accessing jobs, leadership positions and decision-making at all levels.

5 GENDER
EQUALITY



Women in the Arab region face significant barriers to go through the labour market and are at much higher risk of unemployment than men. Although the female's unemployment rate has slowly decreased over the past 15 years from 22.4 percent in 2000 to 19.96% in 2015, the female's unemployment rate is more than double the region's male's unemployment rate. This forms three times the global average of 6.2 percent, in the same year. Among young women, unemployment rates are the highest in the world, nearly double that of young males—and forms 48 versus 23 percent, respectively, compared to 16 and 13 percent globally.





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THANK YOU



SUSTAINABLE
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GOALS



كَلِمَاتُ الْمُسْتَقْبَلِ لِلْجَامِعَةِ
نَحْوِ جَامِعَةِ مُسْتَدَامَةِ