



AL-FURAT AL-AWSAT TECHNICAL UNIVERSITY

SUSTAINABILITY REPORT 2025

Building a Sustainable Future
Through Education, Innovation,
Research and Community Partnerships



QUALITY EDUCATION
AND RESEARCH



ENVIRONMENTAL
STEWARDSHIP



SOCIAL RESPONSIBILITY
AND WELL-BEING



GOOD GOVERNANCE
AND TRANSPARENCY



PARTNERSHIPS
FOR THE GOALS

SUSTAINABLE
DEVELOPMENT
GOALS



www.atu.edu.iq



sustainability@atu.edu.iq



Al-Najaf Al-Ashraf, Iraq

Sustainability Unit



AL-FURAT AL-AWSAT TECHNICAL UNIVERSITY

MESSAGE FROM THE UNIVERSITY PRESIDENT



Sustainability is no longer an option—it is a strategic responsibility that shapes the future of higher education.



At Al-Furat Al-Awsat Technical University, sustainability has become an integral part of our institutional vision, guiding our educational programs, scientific research, campus operations, community engagement, and governance.



This Sustainability Report reflects our collective commitment to implementing the United Nations Sustainable Development Goals (SDGs) through measurable achievements, innovative initiatives, and evidence-based practices across all university formations.



We believe that investing in people, knowledge, innovation, and partnerships is the foundation for creating a resilient university and contributing effectively to Iraq's sustainable future.



We remain committed to continuous improvement, transparency, accountability, and excellence in serving our society and future generations.



“

Prof. Dr.
HASSAN LATEEF AL-ZUBAIDI
President

Al-Furat Al-Awsat Technical University



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Sustainability Unit

Sustainability Governance at Al-Furat Al-Awsat Technical University

Sustainability at Al-Furat Al-Awsat Technical University is governed through an integrated institutional framework that ensures effective leadership, strategic planning, implementation, monitoring, and continuous improvement. The governance structure is designed to embed sustainability into education, scientific research, university operations, and community engagement while supporting the achievement of the United Nations Sustainable Development Goals (SDGs).

The Sustainability Unit operates under the supervision of the **Assistant President for Scientific Affairs** through the **Department of Quality Assurance and University Performance**. It coordinates sustainability initiatives across all university formations in collaboration with sustainability liaison members representing the university's **16 colleges and technical institutes**.

This governance framework promotes accountability, transparency, evidence-based decision-making, and continuous performance evaluation, ensuring that sustainability becomes an integral component of institutional development and long-term strategic planning.



جامعة الفرات الأوسط التقنية
Al-Furat Al-Awsat
Technical University

Our Sustainability Grows From Strong Foundations



Sustainability at our university is rooted in strong values and driven by a shared commitment to build a greener, more equitable, and prosperous future for all.

Our Commitment

-  Environmental Stewardship
-  Social Responsibility
-  Economic Sustainability
-  Good Governance



Sustainability

We embed sustainability in everything we do for the well-being of present and future generations.



Innovation

We embrace innovation and creativity to solve challenges and drive sustainable change.



Integrity

We act with integrity, transparency and accountability in all our actions.



Partnership

We collaborate with our community and stakeholders to create shared value and lasting impact.



Excellence

We pursue excellence in education, research and operations to deliver high quality outcomes.

Foundations That Nourish Our Growth



Quality Education
Empowering students with knowledge and skills for a sustainable future.



Research & Innovation
Advancing research that addresses real-world challenges and supports sustainability.



Responsible Operations
Managing resources efficiently and reducing our environmental footprint.



Community Engagement
Working with our community to promote well-being, inclusion and resilience.



Good Governance
Ensuring effective governance, transparency and continuous improvement.



Together, we cultivate a culture of sustainability and contribute to achieving the United Nations Sustainable Development Goals (SDGs).





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Al-Furat Al-Awsat
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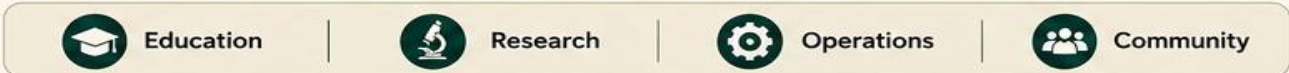
SUSTAINABILITY GOVERNANCE STRUCTURE

Building a Sustainable Future Together

Our governance ensures strategic leadership, collaboration, and accountability to advance sustainability across education, research, operations, and community engagement in alignment with the Sustainable Development Goals (SDGs).



Sustainability Liaison Members (16 Colleges & Technical Institutes)



MONITORING • EVALUATION • REPORTING • CONTINUOUS IMPROVEMENT





جامعة الفرات الأوسط التقنية
Al-Furat Al-Awsat
Technical University

ACHIEVEMENTS & STRATEGIC MILESTONES

Our Journey Towards a Sustainable Future

Al-Furat Al-Awsat Technical University continues to make significant progress in advancing sustainability through strong governance, innovative initiatives, and impactful actions aligned with the United Nations Sustainable Development Goals (SDGs).

UI GREENMETRIC WORLD UNIVERSITY RANKINGS 2025

4th
IN IRAQ

197th
WORLDWIDE



TOTAL SCORE
8175

Rank	University	Total Score	SI	EC	WS	WR	TR	ED
1	University of Babylon	8562.5	1375	1700	1450	837.5	1637.5	1562.5
2	University of Anbar	8400	1300	1775	1175	837.5	1700	1612.5
3	Al-Mustaqbal University	8312.5	1100	1700	1250	987.5	1625	1650
4	Al-Furat Al-Awsat Technical University	8175	1050	1500	1400	937.5	1737.5	1550
5	University of Baghdad	8087.5	1250	1650	1500	875	1537.5	1275
6	University of Kerbala	7950	1125	1400	1350	887.5	1612.5	1575
7	University of AlKafeel	7912.5	1050	1725	1350	875	1387.5	1525
8	Islamic University	7862.5	1075	1450	1525	825	1600	1387.5



SUSTAINABILITY GOVERNANCE

- Establishment of the Sustainability Unit
- Integration of sustainability into university governance and decision-making
- Alignment with national and international sustainability frameworks



SUSTAINABILITY NETWORK

- 16 Sustainability Liaison Members across all colleges and institutes
- Capacity building and continuous engagement
- Collaborative action for SDGs implementation

16 COLLEGES & TECHNICAL INSTITUTES



INSTITUTIONAL PERFORMANCE

- Continuous improvement in UI GreenMetric indicators
- Strong performance across all sustainability criteria
- Data-driven approaches for monitoring and reporting



SUSTAINABLE CAMPUS INITIATIVES

- Renewable energy projects
- Green campus and biodiversity enhancement
- Waste management and recycling programs
- Water conservation and efficiency



NATIONAL DIGITAL SUSTAINABILITY PLATFORM

A flagship digital platform designed to empower higher education institutions in Iraq to report, monitor, and enhance their sustainability performance based on evidence and best practices.

LAUNCHING SOON
STAY TUNED FOR A TRANSFORMATIVE IMPACT

COMING SOON

TOGETHER FOR A SUSTAINABLE FUTURE

We are committed to building a greener, smarter, and more sustainable university for present and future generations.

ENVIRONMENTAL

SOCIAL

ECONOMIC

GOVERNANCE

SUSTAINABLE DEVELOPMENT GOALS





AL-FURAT AL-AWSAT
TECHNICAL UNIVERSITY
جامعة الفرات الأوسط التقنية

ATU SUSTAINABILITY ROADMAP 2030

— Our Journey Towards a Sustainable Future —

We are committed to building a greener, smarter, and more sustainable university that contributes to the well-being of society and the protection of our planet.

2022
Establishment of the Sustainability Unit

The foundation of our sustainability journey through dedicated leadership and vision.

2023
Sustainability Liaison Network
Building a strong network of 16 Colleges & Institutes to drive sustainability across all formations.

2024
Integration of the 17 SDGs
Embedding the United Nations Sustainable Development Goals in our education, research, operations, and community engagement.

2025
Participation in UI GreenMetric
Benchmarking our performance in sustainability and continuously improving to achieve higher global rankings.

2026
National Digital Sustainability Platform
Launching a national digital platform to monitor, manage, and report sustainability performance across Iraqi universities.

2027-2029
International Partnerships
Expanding collaborations with global universities, organizations, and networks to accelerate innovation and knowledge exchange.

2030
Global Sustainability Excellence
Achieving excellence and becoming a model university for sustainability in the region and beyond.



16
Colleges & Technical Institutes



34,059
Students



7,811
Academic & Administrative Staff



5
Governorates Across Iraq



1
Vision
A Sustainable Future Together

ENVIRONMENTAL
STEWARDSHIP

SOCIAL
RESPONSIBILITY

ECONOMIC
RESILIENCE

GOVERNANCE &
ACCOUNTABILITY

INNOVATION &
TECHNOLOGY

PARTNERSHIP &
COLLABORATION



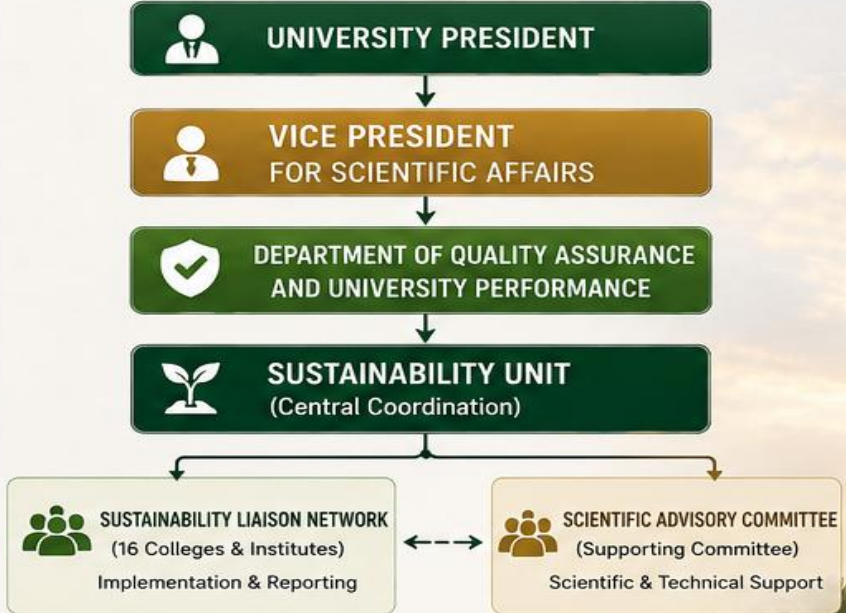
TOGETHER FOR A
SUSTAINABLE FUTURE



SUSTAINABILITY GOVERNANCE

Scientific Support for a Sustainable Future

SUSTAINABILITY GOVERNANCE STRUCTURE



OUR STRENGTH
A three-tier governance model that integrates strategic leadership, operational implementation, and scientific support to advance sustainability.

- 16 Colleges & Technical Institutes
- 34,059 Students
- 7,811 Academic & Administrative Staff
- 5 Governorates Across Iraq
- 1 Vision A Sustainable Future Together

SCIENTIFIC ADVISORY COMMITTEE FOR SUSTAINABILITY

(Supporting Committee to the Sustainability Unit)

ROLE OF THE COMMITTEE

- Provides scientific and technical consultation to the Sustainability Unit.
- Reviews and evaluates sustainability initiatives, projects, and programs.
- Supports research, innovation, and knowledge development for sustainability.
- Assists in assessing sustainability data and performance indicators.
- Strengthens evidence-based decision making and strategic planning.
- Enhances collaboration across disciplines to achieve the SDGs.



OFFICIAL UNIVERSITY ORDER

Establishment of the Scientific Advisory Committee to support the Sustainability Unit.



COMMITTEE MEMBERS

No.	Name	Specialization	College / Institute	Role in Committee
1	Prof. Dhafir Manea Hatem	Mechanical Engineering / Heat Transfer	College of Engineering Technical – Najaf	Chairman
2	Asst. Prof. Dr. Mohammed Kareem Ghshan	Mechanical Engineering / Heat Transfer	College of Engineering Technical – Najaf	Member
3	Dr. Dissam Abdul Sahib	Mechanical Engineering / Energy and Renewable Energy	College of Engineering Technical – Najaf	Member
4	Asst. Prof. Dr. Deyasam Mohammed Abed	Electrical Engineering / Communications Engineering	College of Engineering Technical – Najaf	Member
5	Asst. Prof. Dr. Mustansir Mohammed Ali	Mechanical Engineering / Heat Transfer	College of Engineering Technical – Najaf	Member

COMMITTEE CONTRIBUTION AREAS





جامعة الفرات الأوسط التقنية
Al-Furat Al-Awsat
Technical University

SDG

1



NO POVERTY



“End poverty in all
its forms everywhere”



PEOPLE
FIRST



PARTNERSHIP



COMPASSION



EDUCATION



SUSTAINABLE
FUTURE



SDG

1



NO POVERTY

End poverty in all its forms everywhere



EMPOWERING COMMUNITIES THROUGH SOCIAL SOLIDARITY



MAKING A DIFFERENCE

Al-Furat Al-Awsat Technical University is committed to supporting vulnerable communities through sustainable social responsibility initiatives aligned with SDG 1 (No Poverty).

During the reporting period, the university organized a series of community outreach programs, including charity markets, clothing distribution campaigns, educational support for disadvantaged schools, and humanitarian visits to children with special needs.

These initiatives aimed to reduce social inequality, strengthen community solidarity, and improve the well-being of vulnerable groups through active participation of students, academic staff, and local partners.

KEY CONTRIBUTIONS

-  Charity Market Initiative
-  Clothing Distribution Campaign
-  Educational Support Programs
-  Humanitarian Visits
-  Student Volunteer Engagement
-  Community Partnership



01

CHARITY MARKET OPENING

The university organized a charity market that gathered various donated items and products, with the participation of students and staff, to support families in need and promote a culture of giving.



02

CLOTHING DISTRIBUTION CAMPAIGN

In collaboration with community partners, the university launched a clothing distribution campaign targeting low-income families and students, helping them meet their basic needs.



03

EDUCATIONAL SUPPORT FOR SCHOOLS

The university supported several primary schools in disadvantaged areas by providing essential supplies and resources, contributing to a better learning environment for children.



04

COMMUNITY ENGAGEMENT & VOLUNTEERING

Through field visits and direct engagement, the university reinforced social bonds and encouraged students and staff to contribute to humanitarian and community development efforts.



OUR IMPACT

-  **23,400+**
Beneficiaries Reached
-  **10+**
Activities Implemented
-  **150+**
Student Volunteers
-  **15+**
Community Partners
-  **2021 – 2025**
Implementation Period

SDG 1 TARGETS SUPPORTED



-  **TARGET 1.1**
Eradicate extreme poverty for all people everywhere
-  **TARGET 1.2**
Reduce poverty in all its dimensions according to national definitions
-  **TARGET 1.3**
Implement social protection systems and measures
-  **TARGET 1.4**
Ensure equal rights to economic resources, ownership and access to services
-  **TARGET 1.5**
Build resilience of poor and vulnerable and reduce their exposure to disasters
-  **TARGET 1.A**
Mobilize resources to implement poverty reduction programs

“ Together, we build a university that cares, empowers, and uplifts. ”



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AL-FURAT AL-AWSAT
TECHNICAL UNIVERSITY

02 | ZERO HUNGER

End hunger, achieve food security and improve nutrition, and promote sustainable agriculture

“

*Good nutrition today,
stronger generations tomorrow.*

”



FOOD
SECURITY



NUTRITION
FOR ALL



SUSTAINABLE
AGRICULTURE



COMMUNITY
WELL-BEING



PARTNERSHIP
FOR IMPACT

SUSTAINABLE
DEVELOPMENT
GOALS





SDG 2 ZERO HUNGER

End hunger, achieve food security and improve nutrition, and promote sustainable agriculture



- Food Security
- Nutrition for All
- Community Support
- Social Solidarity
- Sustainable Future

ACTIVITY HIGHLIGHT

Food Aid & Support for Vulnerable Families

The Technical Institute – Al-Mussaib, as part of the sustainable development program, implemented a humanitarian initiative to distribute food baskets to needy students and their families. This activity aims to ensure food security, support disadvantaged individuals, and strengthen social solidarity within the community.



TRAINING COURSE

A Course on Methods of Manufacturing Feed for Farm Animals

The institute organized an applied training course titled "Methods of Manufacturing Feed for Farm Animals", aimed at enhancing students' knowledge and practical skills in animal nutrition and feed production, supporting food security and sustainable agriculture.



OUR IMPACT

- 600+** Beneficiaries
- Food Aid Packages Distributed**
- Training Course Implemented**
- Knowledge & Skills Development**
- Community Engagement**



SDG 2 TARGETS

- TARGET 2.1**
Universal access to safe and nutritious food
- TARGET 2.2**
End all forms of malnutrition
- TARGET 2.3**
Double agricultural productivity and incomes
- TARGET 2.4**
Sustainable food production systems
- TARGET 2.5**
Maintain genetic diversity of food production
- TARGET 2.A**
Invest in rural infrastructure & agricultural research
- TARGET 2.C**
Ensure stable food commodity markets & information



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AL-FURAT AL-AWSAT
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03 | GOOD HEALTH

Ensure healthy lives and promote well-being for all at all ages

“ Health is the foundation for a thriving and sustainable future. ”



GOOD HEALTH FOR ALL



COMMUNITY WELL-BEING



HEALTHY LIFESTYLES



PREVENTION & CARE



SUSTAINABLE FUTURE

SUSTAINABLE DEVELOPMENT GOALS



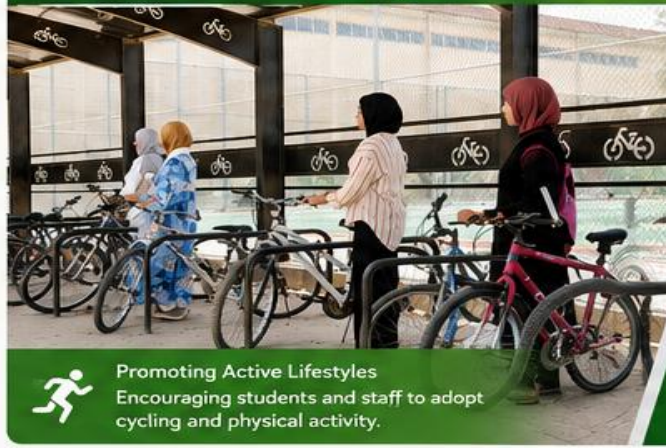


03 | GOOD HEALTH

Ensure healthy lives and promote well-being for all at all ages

We are committed to promoting health and well-being for students, staff, and the community through awareness, prevention, training, and quality health services, building a healthy campus and supporting community well-being.

HEALTHY CAMPUS, HEALTHY COMMUNITY



Promoting Active Lifestyles
Encouraging students and staff to adopt cycling and physical activity.



Community Engagement
Organizing events that support public health and social well-being.

OUR IMPACT

- 1,200+ Beneficiaries
- 10+ Health Activities
- 8 Awareness Lectures & Workshops
- 50+ Volunteers & Participants
- Active Community Partnerships

OUR KEY HEALTH INITIATIVES

Blood Pressure Screening



Regular blood pressure screening to raise awareness about cardiovascular health.

Probiotics Seminar



Scientific seminar on the role of probiotics in immunity and digestion.

Laboratory Safety Training



Training on laboratory safety rules, PPE, and risk prevention practices.

Chemicals Safety Workshop



Raising awareness of chemical risks and safe handling of substances in laboratories.

Anemia Awareness Lecture



Awareness session on iron deficiency anemia, causes, prevention, and treatment.

Drugs & Methods of Detection



Workshop on drugs, methods of detection, and the impact of substance abuse.

Disability Inclusion Workshop



Awareness about the rights of persons with disabilities and inclusive education.

Anti-Human Trafficking Campaign



Campaign to raise awareness about human trafficking and its impact on society.

Health Screening (General Health)



General health screening for students to promote early detection and prevention.

Scientific Seminars & Workshops



Various seminars and workshops on health topics and modern health practices.

OUR APPROACH

- Preventive Healthcare**
Early detection and health screening.
- Awareness & Education**
Lectures and workshops on key health topics.
- Safe Environment**
Laboratory safety and risk prevention.
- Community Engagement**
Partnerships and outreach for public well-being.
- Inclusive & Supportive**
Promoting equality and care for all.



SDG 3 TARGETS

- TARGET 3-1**
Reduce maternal mortality
- TARGET 3-2**
End preventable deaths of newborns & children
- TARGET 3-3**
End epidemics of communicable diseases
- TARGET 3-4**
Reduce mortality from non-communicable diseases
- TARGET 3-5**
Strengthen prevention and treatment of substance abuse
- TARGET 3-6**
Reduce road injuries and improve safety
- TARGET 3-8**
Achieve universal health coverage
- TARGET 3-C**
Strengthen health workforce & training



04



QUALITY EDUCATION

“ Ensure inclusive and equitable quality education and promote lifelong learning opportunities for all ”

At Al-Furat Al-Awsat Technical University, we believe that quality education is the foundation for sustainable development and a better future. We are committed to providing inclusive, equitable, and lifelong learning opportunities that empower individuals, build skills, and contribute to the progress of society.



OUR COMMITMENT



Inclusive Learning

Ensuring equitable access to education for all.



Quality Education

Enhancing teaching, learning and academic excellence.



Lifelong Learning

Promoting continuous learning and skills development.



Empowered Communities

Building an educated and engaged society for a brighter tomorrow.

SDG 4 TARGETS



TARGET 4-1

Ensure free, equitable and quality primary and secondary education.



TARGET 4-2

Ensure equal access to quality early childhood development and care.



TARGET 4-3

Ensure equal access to affordable technical, vocational and higher education.



TARGET 4-4

Increase the number of youth and adults with relevant skills for employment.



TARGET 4-5

Eliminate gender disparities in education and ensure equal access.



TARGET 4-7

Promote education for sustainable development and global citizenship.



04



QUALITY EDUCATION

“ Ensure inclusive and equitable quality education and promote lifelong learning opportunities for all ” ”

BUILDING KNOWLEDGE, EMPOWERING FUTURES



Smart Classrooms

Modern Laboratories

Practical Training

Technical Excellence

OUR IMPACT

- 1,200+ Students Benefited
- 100+ Academic Programs
- 200+ Skill Development Workshops
- 150+ Faculty & Staff Trained
- Strong Industry & Community Partnerships

OUR VISION

To be a beacon of useful knowledge for the promising generation of our students, preparing them for the labor market to build the nation with competence, excellence, creativity and innovation. To be a global leader in scientific research, an active base for serving and leading the community, contributing to sustainable development, scientific student growth, and the development of infrastructure to make the university an attractive environment for students. The university seeks to contribute locally and globally to enrich knowledge and sciences and to actively participate in all that serves society and humanity.



OUR QUALITY COMMITMENT

Achieve academic and administrative quality standards by ensuring alignment of all academic and administrative activities with national and international quality standards through clear strategies for quality in education, scientific research, and university services.



Quality Assurance



Continuous Improvement



Innovation in Education



Transparency & Accountability

OUR EDUCATIONAL ENVIRONMENT

SMART LEARNING ENVIRONMENT



- Smart classrooms equipped with interactive displays
- E-learning platforms and virtual classrooms (Moodle, Google Classroom, IQ Learn)
- Digital library and online resources
- High-speed internet across campus

PRACTICAL & TECHNICAL EDUCATION



- Well-equipped laboratories and workshops
- Hands-on training and industrial practice
- Applied research and innovation projects
- Collaboration with industry and technical sectors

CAPACITY BUILDING & LIFELONG LEARNING



- Training courses for faculty and staff development
- Workshops on modern teaching and digital skills
- Professional development programs
- Encouraging lifelong learning for all

STUDENT SUCCESS & INNOVATION



- Graduation projects and innovative solutions
- Student competitions and achievements
- Entrepreneurship and start-up support
- National and international participation

COMMUNITY EDUCATION & SOCIAL CONTRIBUTION



- Awareness campaigns and educational seminars
- Community training and outreach programs
- Support for inclusive education
- Promoting sustainable values and responsible citizenship



SDG 4 TARGETS



TARGET 4-1

Ensure free, equitable and quality primary and secondary education.



TARGET 4-2

Ensure equal access to quality early childhood development and care.



TARGET 4-3

Ensure equal access to affordable technical, vocational and higher education.



TARGET 4-6

Increase the number of youth and adults with relevant in education.



TARGET 4-7

Promote education for sustainable development and global citizenship.

SUSTAINABLE DEVELOPMENT GOALS



“ Education is the most powerful weapon which you can use to change the world. ” – Nelson Mandela



05 | ♀♂ GENDER EQUALITY

“ Achieve gender equality and empower all women and girls”



OUR VISION

We believe in an inclusive university where every woman has equal opportunities to learn, lead, and excel. Al-Furat Al-Awsat Technical University is committed to empowering women and girls in all fields of education, research, leadership, innovation, and community service, ensuring a safe, respectful, and supportive environment for all.

OUR COMMITMENT



Equal Opportunities

Ensure equal access to education, leadership and employment.



Safe & Respectful Environment

Promote a university culture free from discrimination and violence.



Women Empowerment

Support women in leadership, decision-making and innovation.



Capacity Building

Provide training, mentoring and skill development for women and girls.



Community Impact

Engage in community programs that promote gender equality.

SDG 5 TARGETS



TARGET 5-1

End all forms of discrimination against all women and girls.



TARGET 5-2

Eliminate all forms of violence against all women and girls.



TARGET 5-3

Eliminate harmful practices such as child, early and forced marriage and female genital mutilation.



TARGET 5-4

Recognize and value unpaid care and domestic work through services and policies.



TARGET 5-5

Ensure women's full and effective participation and equal opportunities for leadership.



TARGET 5-A

Undertake reforms to give women equal rights to economic resources and ownership.



TARGET 5-B

Enhance the use of enabling technology to promote the empowerment of women.



TARGET 5-C

Adopt and strengthen sound policies and enforceable legislation for gender equality.



05 | GENDER EQUALITY



“ Achieve gender equality and empower all women and girls”

EMPOWERING WOMEN, BUILDING A SUSTAINABLE FUTURE

Al-Furat Al-Awsat Technical University is committed to promoting gender equality, empowering women, and guaranteeing equal opportunities in education, research, leadership, and community engagement. We believe that empowered women build stronger societies and drive sustainable development.



- Equal Opportunities
- Empowerment
- Leadership
- Respect
- Inclusion

OUR IMPACT

- 943 Female Students
- 3,020 Female Academic Staff
- 200+ Workshops & Trainings
- 100+ Community Initiatives
- Equal Opportunities and Leadership for Women

GENDER EQUALITY AT A GLANCE



OUR ACTIVITIES & INITIATIVES



OUR COMMITMENT

- Promoting equal access to education and leadership.
- Supporting women in academic, research, and administrative roles.
- Providing a safe and inclusive environment for all.
- Eliminating all forms of discrimination and violence.
- Empowering women through training, capacity building, and development programs.



WOMEN ENGAGEMENT, LEADERSHIP & COMMUNITY CONTRIBUTION



OUR POLICIES & SUPPORT SYSTEMS

- Gender Equality Policy
- Anti-Harassment Policy
- Equal Opportunity Policy
- Women's Empowerment Unit
- Confidential Complaint System
- Awareness & Counseling Services

SDG 5 TARGETS



TARGET 5-1
End all forms of discrimination against all women and girls everywhere.



TARGET 5-2
Eliminate all violence against women and girls in public and private spheres.



TARGET 5-3
Eliminate all harmful practices such as child, early and forced marriage and FGM.



TARGET 5-4
Recognize and value unpaid care and domestic work through public services.



TARGET 5-5
Ensure women's full and effective participation and equal opportunities for leadership.



TARGET 5-6
Adopt and strengthen sound policies and enforceable legislation for gender equality.



“ When women are empowered, the whole society moves forward.” – Kofi Annan



AL-FURAT AL-AWSAT
TECHNICAL UNIVERSITY

06



CLEAN WATER AND SANITATION

Ensure availability and sustainable management of water and sanitation for all

“

Water is fundamental to life, development and the environment. We are committed to protect our water resources and ensure a sustainable future for all.

”



OUR COMMITMENT

We are committed to managing water resources responsibly, reducing consumption, treating wastewater, and ensuring access to clean water and sanitation across our campus and community.



SUSTAINABLE WATER USE

Efficient use and conservation of water resources



WASTEWATER TREATMENT

Treatment and safe reuse of wastewater for irrigation



CLEAN WATER ACCESS

Providing safe and clean drinking water for all



SANITATION FACILITIES

Maintaining clean and hygienic sanitation facilities



AWARENESS & EDUCATION

Raising awareness on water conservation and hygiene



MONITORING & IMPROVEMENT

Monitoring water usage and improving sustainability

6 CLEAN WATER AND SANITATION



Together for a sustainable and water-secure future.



غدأ بببذأ اليوم
Tomorrow starts today

www.atu.edu.iq



06 | CLEAN WATER AND SANITATION

“ Ensure availability and sustainable management of water and sanitation for all ”

KEY INDICATORS & PERFORMANCE

PERCENTAGE OF
WATER-EFFICIENT
APPLIANCES USAGE

52%



The university has adopted a range of water-efficient appliances to reduce water consumption and improve the efficiency of water use across its campuses.

Total water-efficient appliances: 130

- 75 Water-saving faucets
- 60 Dual-flush toilets
- 30 Low-flow fixtures

OVERALL UNIVERSITY
AVERAGE TREATED
WATER CONSUMPTION

60%



Treated and reused water is utilized for irrigation, cleaning, and other non-potable purposes, contributing to the sustainable management of our water resources.



OUR COMMITMENT

Al-Furat Al-Awsat Technical University is committed to the sustainable management of water resources, improving water quality, reducing water consumption, and raising awareness of water conservation across all campuses and within the community.

OUR APPROACH

 Sustainable Water Use	 Water Quality Monitoring	 Wastewater Treatment & Reuse	 Awareness & Community Engagement
 Efficient Infrastructure	 Smart Irrigation Systems	 Research & Innovation	 Policy & Capacity Building

WATER MANAGEMENT ON CAMPUS



RO Treatment Unit



Water Storage Tank



Smart Irrigation System



Water-Saving Fixtures



Sanitary Facilities



Green Campus & Water Conservation

RESEARCH & INNOVATION

- Water quality analysis and monitoring in on-campus laboratories.
- Studies on water treatment, reuse and resource efficiency.
- Student research projects focused on water conservation technologies.
- Collaboration with government and community organizations on local water challenges.



COMMUNITY ENGAGEMENT & AWARENESS

- | | | | |
|--|--|---|--|
| 
Awareness Campaigns | 
Educational Workshops | 
World Water Day Activities | 
School & Community Outreach |
|--|--|---|--|



WATER CONSERVATION PRACTICES



Fixing Leaks Promptly



Using Efficient Appliances



Rainwater Harvesting



Landscape Irrigation



Water Reuse for Non-Potable Use



Continuous Monitoring



OUR GOAL

To ensure sustainable water management, protect water resources and promote a water-secure future for all.



WATER IS LIFE
LET'S CONSERVE IT
FOR A BETTER TOMORROW

SUSTAINABLE
DEVELOPMENT
GOALS



“ Every drop counts. Together, we build a sustainable and water-secure future. ”



AL-FURAT AL-AWSAT
TECHNICAL UNIVERSITY



7 CLEAN ENERGY

Ensure access to affordable, reliable, sustainable and modern energy for all



RENEWABLE
ENERGY



ENERGY
EFFICIENCY



INNOVATION &
TECHNOLOGY



SUSTAINABLE
FUTURE



07



AFFORDABLE AND CLEAN ENERGY

Ensure access to affordable, reliable,
sustainable and modern energy for all



ENERGY SPECIFICATIONS

	Solar PV System Capacity	585 kW
	Annual Energy Generation	900,000 kWh
	Number of Solar Panels	1,170 Panels
	Inverters	8 Units
	Battery System Capacity	120 kWh
	LED Lighting Ratio	86%
	Smart Energy Meters	24 Units
	Solar Street Lights	48 Units
	Annual Fuel Saving	110,000 Liter
	CO ₂ Emission Reduction	1,250 Ton/year



RESEARCH & INNOVATION

UTM researchers are actively working on developing innovative solutions for clean energy and improving energy efficiency through advanced research.



Solar Air Heater

Experimental study on improving the thermal performance using nano-PCM and paraffin wax.



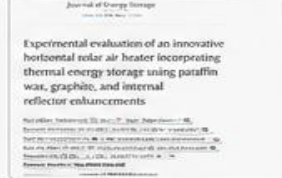
Solar Still

Numerical investigation of the effect of wind speed on the performance of single-slope solar still.



Energy Storage Systems

Research on energy storage and management for renewable energy applications.



Hybrid Electric Vehicle

Development and testing of hybrid electric vehicles to reduce fuel consumption and emissions.



ENERGY EXPENDITURE

Investment in clean energy infrastructure and energy efficiency plays a key role in reducing operating costs and environmental impact.

ENERGY PROJECTS EXPENDITURE (2021-2022)

PROJECT	DESCRIPTION	COST (IQD)
Solar Power System (585 kW)	Installation of solar PV system for electricity generation	6,840,000,000
Solar Street Lighting	Installation of solar street lights	1,200,000,000
Laboratory Equipment	Renewable energy and energy efficiency labs	750,000,000
Energy Efficiency Upgrades	LED lighting, sensors, and efficient appliances	380,000,000
Research & Development	Research projects and innovation in clean energy	220,000,000
TOTAL EXPENDITURE		9,390,000,000

ENERGY SAVING IMPACT



25%
Reduction in
Energy Costs



1,250
Ton/year
CO₂ Reduction



High
Return on
Investment



Sustainable
Clean and Green
Campus



OUR COMMITMENT TO CLEAN ENERGY

We are committed to advancing clean energy solutions, enhancing energy efficiency, and investing in renewable energy infrastructure to build a sustainable and energy-secure future for our university and community.



RENEWABLE
ENERGY



ENERGY
EFFICIENCY



SUSTAINABLE
PRACTICES



BETTER
TOMORROW



8

ECONOMIC GROWTH

“Promote sustained, inclusive and sustainable economic growth, full and productive employment and decent work for all”

Al-Furat Al-Awsat Technical University is dedicated to fostering economic growth by empowering our students with the skills, knowledge, and opportunities needed to thrive in a dynamic and sustainable economy.



SUSTAINED
ECONOMIC GROWTH



FULL AND PRODUCTIVE
EMPLOYMENT



DECENT WORK
FOR ALL



INNOVATION AND
ENTREPRENEURSHIP



SUSTAINABLE
DEVELOPMENT

We are committed to building an inclusive and innovation-driven economy that creates opportunities, empowers people, and ensures decent work for a better future.



9

INNOVATION

“Build resilient infrastructure, promote inclusive and sustainable industrialization and foster innovation”

Al-Furat Al-Awsat Technical University is committed to building resilient infrastructure that meets future challenges, advancing sustainable industrialization, and fostering innovation that drives inclusive development and improves lives.



RESILIENT
INFRASTRUCTURE



SUSTAINABLE
INDUSTRIALIZATION



INNOVATION AND
TECHNOLOGY



INCLUSIVE
DEVELOPMENT



SUSTAINABLE
FUTURE

Through innovation and collaboration, we build sustainable solutions today to create a better and more inclusive tomorrow for all.

25+
INFRASTRUCTURE
PROJECTS

18+
INDUSTRIAL & TECH
INITIATIVES

47
INNOVATION
PROJECTS

6,500+
STUDENTS BENEFITED
THROUGH INNOVATION

30+
INDUSTRY & RESEARCH
PARTNERS

100%
NEW PROJECTS ALIGN
WITH SUSTAINABILITY



9

INNOVATION

“Build resilient infrastructure, promote inclusive and sustainable industrialization and foster innovation”

Al-Furat Al-Awsat Technical University is committed to driving innovation through research excellence, advanced laboratories, and creative solutions that address real-world challenges.

We foster an environment that empowers students and researchers to transform ideas into practical innovations that contribute to sustainable infrastructure, modern industry, and a better future for our community.



RESEARCH EXCELLENCE

High-impact research in renewable energy, engineering and applied sciences.



INNOVATION LABORATORIES

Modern laboratories equipped with advanced tools and smart technologies.



STUDENT INNOVATION

Supporting student projects, creativity and problem-solving initiatives.



INDUSTRY COLLABORATION

Strong partnerships with industry and government for real impact solutions.



SUSTAINABLE INFRASTRUCTURE

Developing sustainable infrastructure and technologies for a resilient future.



25+

INFRASTRUCTURE PROJECTS



18+

INNOVATION INITIATIVES



47

INNOVATION PROJECTS



6,500+

STUDENTS BENEFITED THROUGH INNOVATION



30+

INDUSTRY & RESEARCH PARTNERS



35+

PATENTS & IP APPLICATIONS





10

REDUCED INEQUALITIES

"Reduce inequality within and among countries"



We are committed to promoting equality, inclusion and fairness in education, opportunities and access to resources for all.

By empowering every individual regardless of background, gender, ability or socioeconomic status, we build a more inclusive university and a stronger society.



EQUAL OPPORTUNITIES

Ensuring fair access to education, training and leadership for all.



DIVERSITY & INCLUSION

Celebrating diversity and fostering an inclusive campus culture.



SUPPORT FOR ALL STUDENTS

Providing academic and social support to help every student succeed.



EMPOWERMENT & EQUITY

Empowering individuals and reducing barriers to participation.



GLOBAL COLLABORATION

Building partnerships that promote equality and shared progress.



MEASURING IMPACT

Continuously improving our practices to achieve equality and inclusion.



6,500+

DIVERSE STUDENTS & STAFF



100%

ACCESSIBLE FACILITIES



45%+

FEMALE STUDENTS ENROLLMENT



300+

SCHOLARSHIPS AWARDED ANNUALLY



25+

INTERNATIONAL PARTNERSHIPS



50+

COMMUNITY SUPPORT PROGRAMS





10

REDUCED INEQUALITIES

“Reduce inequality within and among countries”

We are committed to promoting equality, inclusion and fairness in education, opportunities and access to resources for all.

By empowering every individual regardless of background, gender, ability or socioeconomic status, we build a more inclusive university and a stronger society.



KEY ACHIEVEMENTS

- ✓ Awareness lecture on women's political participation and the importance of equality.
- ✓ Sewing course for women (vocational training) to empower and support their economic independence.
- ✓ Swearing course for females to enhance legal awareness and civic engagement.
- ✓ Training and development programs to support skills, inclusion and equal opportunities.



120+

Participants in Awareness Lectures



80+

Women Trained in Sewing Course



45+

Females Completed Swearing Course



30+

Students with Disabilities Supported



10+

Empowerment and Support Programs



Community & NGO Partnerships



4+

Awareness & Educational Workshops



60+

Beneficiaries from Social Support Activities



100%

Commitment to Equality and Non-Discrimination

OUR POLICIES



Equal Opportunity Policy



Gender Equality Policy



Accessibility Policy



Non-Discrimination Policy



PARTNERSHIPS

- Local Community Organizations
- Government Institutions
- Educational Institutions
- Civil Society Organizations



Inclusive Education



Women Empowerment



Equal Access for All



Social Support & Care



Strong Community Engagement

“ Empowering people and reducing inequalities to build a fair and inclusive society.” ”





11

SUSTAINABLE CITIES AND COMMUNITIES



“Make cities and human settlements inclusive, safe, resilient and sustainable.”

We are building sustainable and resilient communities by promoting smart infrastructure, efficient resource management, and inclusive urban development.

Together, we create safe, green, and livable environments for present and future generations.



SAFE | INCLUSIVE | RESILIENT | SUSTAINABLE



OUR COMMITMENT TO SUSTAINABLE CITIES

<p>TARGET 11-1</p> <p>SAFE AND AFFORDABLE HOUSING</p>	<p>TARGET 11-2</p> <p>AFFORDABLE AND SUSTAINABLE TRANSPORT SYSTEMS</p>	<p>TARGET 11-3</p> <p>INCLUSIVE AND SUSTAINABLE URBANIZATION</p>	<p>TARGET 11-4</p> <p>PROTECT THE WORLD'S CULTURAL AND NATURAL HERITAGE</p>	<p>TARGET 11-5</p> <p>REDUCE THE ADVERSE EFFECTS OF NATURAL DISASTERS</p>
<p>TARGET 11-6</p> <p>REDUCE THE ENVIRONMENTAL IMPACT OF CITIES</p>	<p>TARGET 11-7</p> <p>PROVIDE ACCESS TO SAFE, INCLUSIVE AND GREEN PUBLIC SPACES</p>	<p>TARGET 11-A</p> <p>STRONG NATIONAL AND REGIONAL DEVELOPMENT PLANNING</p>	<p>TARGET 11-B</p> <p>IMPLEMENT POLICIES FOR INCLUSION, RESOURCE EFFICIENCY AND DISASTER RISK REDUCTION</p>	<p>TARGET 11-C</p> <p>SUPPORT LEAST DEVELOPED COUNTRIES IN SUSTAINABLE BUILDING</p>



GREEN CAMPUS
INFRASTRUCTURE



RESOURCE EFFICIENCY
AND WASTE REDUCTION



INCLUSIVE AND ACCESSIBLE
COMMUNITIES



CLIMATE RESILIENCE
AND ADAPTATION



COMMUNITY ENGAGEMENT
AND PARTNERSHIPS



11

SUSTAINABLE CITIES AND COMMUNITIES

"Make cities and human settlements inclusive, safe, resilient and sustainable"



Al-Furat Al-Awsat Technical University is committed to creating inclusive, safe, resilient and sustainable campuses and communities through smart infrastructure, environmental responsibility, and community engagement.



SAFE ENVIRONMENT



INCLUSIVE COMMUNITY



GREEN CAMPUS



SMART INFRASTRUCTURE



SUSTAINABLE FUTURE

OUR KEY INITIATIVES



DEVELOPING SMART CITIES

Workshops and courses on smart cities, sustainable urban development and the role of technology in improving city life.



INCLUSIVE AND ACCESSIBLE CAMPUSES

Improving infrastructure to ensure accessibility for all, including persons with disabilities.



GREEN AND RESILIENT INFRASTRUCTURE

Expanding green spaces, installing solar energy systems, and enhancing energy efficiency across campuses.



PARTNERSHIPS AND COLLABORATION

Active collaboration with governmental institutions and civil society to support sustainable community development.



COMMUNITY ENGAGEMENT

Activities supporting women empowerment, equality, awareness, and social inclusion.



SOLAR PARKING SYSTEM



SMART CAMPUS ENTRANCE



GREEN SPACES AND LANDSCAPING



MODERN LIBRARY BUILDING



ACCESSIBILITY FOR ALL



SAFETY AND FIRE SYSTEMS



ENERGY-EFFICIENT LIGHTING



EMERGENCY SYSTEMS



SMART CLASSROOMS

OUR IMPACT IN NUMBERS



50,000+
Trees & Plants
Planted



1.5 MW+
Solar Energy
Capacity



100+
Accessibility
Facilities



25+
Workshops &
Training



2,000+
Community
Beneficiaries



16
Campus Sites
Across 5 Governorates

OUR POLICIES

- Equal Opportunity Policy
- Accessibility Policy
- Environmental Policy
- Green Campus Policy
- Safety and Disaster Management Policy



Together, we build sustainable cities and better communities for everyone.

Aligned with SDG 11 Goals



Safe and affordable housing



Sustainable transport



Inclusive and sustainable urbanization



Protect cultural and natural heritage



Reduce disaster impact



Environmental impact



TECHNICAL UNIVERSITY

12

RESPONSIBLE CONSUMPTION AND PRODUCTION

“Ensure sustainable consumption and production patterns”



SUSTAINABLE RESOURCE USE



REDUCING WASTE



EFFICIENCY & INNOVATION



RESPONSIBLE PRODUCTION



COMMUNITY ENGAGEMENT

The university integrates responsible consumption and production practices through its plant nursery, green campus initiatives and educational programs, reducing waste, conserving resources and promoting a circular and sustainable future.

SDG 12 TARGETS

TARGET 12-1



IMPLEMENT THE 10-YEAR FRAMEWORK OF PROGRAMMES ON SUSTAINABLE CONSUMPTION AND PRODUCTION

TARGET 12-2



SUSTAINABLE MANAGEMENT AND USE OF NATURAL RESOURCES

TARGET 12-3



HALVE GLOBAL FOOD WASTE PER CAPITA

TARGET 12-4



ENVIRONMENTALLY SOUND MANAGEMENT OF CHEMICALS AND WASTE

TARGET 12-5



SUBSTANTIALLY REDUCE WASTE GENERATION THROUGH REDUCTION, RECYCLING AND REUSE

TARGET 12-6



ENCOURAGE COMPANIES TO ADOPT SUSTAINABLE PRACTICES

TARGET 12-7



PROMOTE SUSTAINABLE PUBLIC PROCUREMENT PRACTICES

TARGET 12-8



PROMOTE UNIVERSAL UNDERSTANDING OF SUSTAINABLE LIFESTYLES



Produce Responsibly.
Consume Sustainably. Build a Better Future.

12

RESPONSIBLE CONSUMPTION AND PRODUCTION

“Ensure sustainable consumption and production patterns”



OUR VISION

A university that practices responsible consumption and production to build a sustainable, circular and resource-efficient campus community.



Al-Furat Al-Awsat Technical University promotes responsible consumption and sustainable production through efficient resource management, waste reduction, recycling initiatives, sustainable procurement, circular economy practices, and environmental awareness programs.

UNIVERSITY PLANT NURSERY



Growing green, reducing waste and supporting sustainable campus life.

ENVIRONMENTAL AWARENESS & SCIENTIFIC ENGAGEMENT

Active participation in the International Symposium on Environmental Health, Biosecurity, Climate Change and Ecosystem Restoration, contributing to environmental sustainability awareness and scientific knowledge exchange.




Scientific Program
of
The X. International Annual Symposium 2026
on
Environmental Health & Biosecurity: Sciences, Engineering & Applications
during May 07 - 08, 2026
Budapest - Hungary
with
Workshop Special Session:
No Security Without Climate Security
(Enhancing Resilience for Climate Change Mitigation: Processes, Practices, & Co-Benefits)

OUR KEY INITIATIVES

-  **SUSTAINABLE AGRICULTURE & FOOD PRODUCTION**
Cultivation of vegetables, fruits and ornamental plants using responsible farming and efficient water use.
-  **RESPONSIBLE RESOURCE MANAGEMENT**
Efficient use of water, energy and materials in nursery operations and campus activities.
-  **WASTE REDUCTION & RECYCLING**
Segregation, reduction and recycling of waste to minimize environmental impact and support a circular economy.
-  **SUSTAINABLE PROCUREMENT**
Purchasing environmentally friendly products and supporting local suppliers.
-  **ENVIRONMENTAL AWARENESS**
Awareness campaigns, training and community engagement for responsible consumption and lifestyle.

OUR ACHIEVEMENTS

-  **50,000+**
Vegetable Plants Cultivated
-  **15+**
Tree & Shrub Species
-  **100+**
Ornamental Plant Species
-  **5+**
Recycling Initiatives
-  **2,000+**
Students & Staff Reached
-  **25+**
Awareness Campaigns
-  **30%**
Reduction in Water Consumption (Est.)
-  **20%**
Reduction in Energy Consumption (Est.)
-  **100%**
Eco-friendly Procurement Practices

INFRASTRUCTURE HIGHLIGHTS



OUR POLICIES

- Equal Opportunity Policy
- Accessibility Policy
- Environmental Policy
- Green Campus Policy
- Sustainable Procurement Policy
- Waste Management Policy
- Safety and Disaster Management Policy



Building sustainable consumption and responsible production for a greener future.

Aligned with SDG 12 and Related Goals



Together for responsible consumption and sustainable production.



Learn more about our initiatives
www.atu.edu.iq



13

CLIMATE ACTION

“Take urgent action to combat climate change and its impacts”

We are committed to reducing greenhouse gas emissions, adapting to climate change, and building a low-carbon, climate-resilient future through innovation, education, and sustainable practices.



Act Today
for a Better
Tomorrow



UN SDG 13 TARGETS

13-1



Strengthen resilience and adaptive capacity to climate risks

13-2



Integrate climate change measures into policies and planning

13-3



Build knowledge and awareness on climate change

13-A



Implement the UNFCCC through education, training and awareness

13-B



Promote mechanisms for climate change planning and capacity

OUR COMMITMENT



Reduce Greenhouse Gas Emissions



Improve Energy Efficiency & Use Renewables



Protect Green Spaces & Promote Biodiversity



Promote Waste Reduction & Recycling



Raise Climate Awareness & Build Capacity



Support Climate Action Research & Innovation



“Climate action is not a choice, it's our responsibility”





13

CLIMATE ACTION

Take urgent action to combat climate change and its impacts



Al-Furat Al-Awsat Technical University integrates renewable energy, sustainable landscaping, environmental awareness, and scientific research to reduce greenhouse gas emissions, enhance climate resilience, and support Iraq's transition toward a low-carbon future.

OUR KEY INITIATIVES



RENEWABLE ENERGY

Installation of photovoltaic solar systems across university campuses and expansion of clean electricity generation.



GREEN CAMPUS

Tree planting campaigns, expansion of green spaces, smart irrigation systems and continuous landscape maintenance.



ENERGY EFFICIENCY

LED lighting, modern energy-efficient buildings and low-energy equipment to reduce electricity consumption.



WASTE REDUCTION & RECYCLING

Promoting waste segregation, recycling and reduction of single-use plastics across campus.



ENVIRONMENTAL AWARENESS

Climate awareness campaigns, exhibitions, and distribution of reusable eco-bags to promote sustainability.



CLIMATE RESEARCH

Scientific research, publications and participation in international conferences on climate change and clean energy.

KEY ACHIEVEMENTS



SOLAR ENERGY CAPACITY **5.0 kW**



SOLAR PANEL AREA **25 m²**



CO₂ EMISSIONS FROM ELECTRICITY **21.42 tCO₂e**



CARBON FOOTPRINT PER CAPITA **0.00364 tCO₂/person**



UNIVERSITY FORMATIONS USING SOLAR ENERGY **7**



CLIMATE AWARENESS PROGRAMS **Continuous**

SOLAR ENERGY SYSTEMS INSTALLED ACROSS UNIVERSITY CAMPUSES

Formation / Building	Solar System Capacity (kW)	Area Covered by Solar Panels (m ²)
Polytechnic College – Al-Diwaniyah	1.0	5
Polytechnic College – Karbala	1.2	6
Technical Institute – Rumaitha	0.5	2.5
Engineering Technical College – Najaf	1.0	5
Al-Mussaib Technical College	0.8	4
Technical Institute – Najaf	0.2	1
University Presidency Building	0.3	1.5
TOTAL	5.0 kW	25 m²

CLIMATE IMPACT



21.42
metric tons CO₂
CO₂ Emissions from Electricity



0.00364
metric tons CO₂/person
Carbon Footprint per Capita

INFRASTRUCTURE HIGHLIGHTS



SOLAR PV SYSTEM



ENERGY-EFFICIENT BUILDINGS



SMART IRRIGATION



LED LIGHTING



GREEN LANDSCAPE



TREE PLANTING CAMPAIGN



WASTE SEGREGATION & RECYCLING



REUSABLE ECO-BAGS



ENVIRONMENTAL AWARENESS EXHIBITION

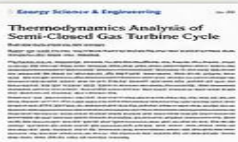


LANDSCAPE MAINTENANCE

OUR POLICIES

- Climate Change Policy
- Renewable Energy Policy
- Environmental Sustainability Policy
- Green Procurement Policy
- Carbon Emission Reduction Policy
- Green Campus Policy

CLIMATE RESEARCH & SCIENTIFIC ENGAGEMENT



University researchers publish high-impact studies on clean energy, carbon reduction and environmental sustainability. These efforts contribute to global climate action and scientific knowledge.



Active participation in international symposiums to exchange expertise, innovate solutions and support climate resilience and ecosystem restoration.



Together, we take climate action for a sustainable and resilient future.

ALIGNED WITH SDG 12 & RELATED GOALS



Scan to learn more about our climate action initiatives and projects

www.atu.edu.iq



LIFE BELOW WATER

“Conserve and sustainably use the oceans, seas and marine resources for sustainable development”

We are committed to protecting aquatic ecosystems and promoting sustainable use of the oceans, seas and marine resources through education, research and community engagement.



PROTECT
Protect marine ecosystems and biodiversity.



CONSERVE
Conserve and sustainably use marine resources.



EDUCATE
Raise awareness and build knowledge for ocean protection.



ENGAGE
Engage communities in activities that protect our waters.



RESEARCH
Support research and innovation for healthy oceans.



Healthy oceans,
healthy planet,
sustainable future.



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[/atu.edu.iq](https://www.facebook.com/atu.edu.iq)

Together, we protect marine life
and water resources for future generations.

SUSTAINABLE
DEVELOPMENT





SDG 14

LIFE BELOW WATER

Conserve and sustainably use the oceans, seas and marine resources for sustainable development

Al-Furat Al-Awsat Technical University is committed to protecting aquatic ecosystems and promoting sustainable use of water resources through education, research, community engagement and awareness initiatives.

ABOUT OUR INITIATIVE

Through the "Life Below Water" initiative, UTM College 9 & 10 students and staff work together to promote the conservation of marine ecosystems and responsible use of water resources.

Activities include awareness lectures, community campaigns, coastal cleanups, visits to aquatic habitats, and research on sustainable water management. The initiative encourages students to understand the impacts of pollution and the importance of preserving oceans, seas, lakes and rivers for future generations.

KEY INDICATORS	
Awareness Lectures	6
Community Campaigns	8
Coastal / Field Visits	4
Tree Planting Activities	3
Student Participants	150+
Green Areas Maintained	25,000+ m ²

PARTICIPANTS IN ACTIVITIES	
Participant Type	Number
Students	102
Academic Staff	11
Technical & Admin Staff	9
Community Members	20
Total	142

OUR ACTIVITIES & EVIDENCE



Awareness Lectures



Marine Awareness Campaign



Student Participation



Coastal Ecosystem Visit



Eco-Friendly Transportation



Tree Planting Campaign



Green & Coastal Landscaping



Smart Irrigation (Water Saving)



Water Resource Maintenance

OUR OBJECTIVES

Protect aquatic ecosystems and biodiversity.

Promote sustainable water use and conservation.

Enhance awareness about the importance of marine life.

Integrate marine and environmental education in academic programs.

Engage communities in activities that support healthy aquatic environments.

RELATED SDG 14 TARGETS

14-1



Reduce marine pollution

14-2



Sustainably manage marine ecosystems

14-3



Reduce marine acidification

14-4



Sustainable fishing practices

14-5



Conserve coastal and marine areas

14-A



Increase scientific knowledge

14-B



Support small scale fishers

OUR POLICIES

- Environmental Protection Policy
- Water Conservation Policy
- Waste Management Policy
- Sustainable Campus Policy
- Green Awareness Policy



SCIENTIFIC RESEARCH SUPPORT

The university supports scientific research on marine conservation, water quality, sustainable irrigation, and environmental protection.



ENVIRONMENTAL EDUCATION

Educational programs and workshops are organized to build students' awareness about the importance of marine life and protecting our water resources.



Healthy oceans, healthy planet, sustainable future.

Together, we protect marine life and water resources for future generations.





AL-FURAT AL-AWSAT
TECHNICAL UNIVERSITY

15

LIFE
ON LAND

Protect, restore and promote the sustainable use of terrestrial ecosystems, sustainably manage forests, combat desertification and halt biodiversity loss.

LIFE ON LAND

Protecting, Restoring and Promoting
Terrestrial Ecosystems for a Sustainable Future



PROTECT TERRESTRIAL
ECOSYSTEMS AND
NATURAL RESOURCES



SUSTAINABLE
FOREST
MANAGEMENT



BIODIVERSITY
CONSERVATION



COMBAT
DESERTIFICATION
AND LAND
DEGRADATION



COMMUNITY
PARTNERSHIP
FOR LIFE
ON LAND



HEALTHY
ECOSYSTEMS

Maintaining balanced
and resilient ecosystems



SUSTAINABLE
NATURAL
RESOURCES

Using natural resources
wisely and responsibly



COMMUNITY
RESPONSIBILITY

Working together for
a sustainable environment



SUSTAINABLE
DEVELOPMENT

Building a better future
for generations



FOR A BETTER
FUTURE

Every action today
shapes tomorrow

جامعة الفرات الأوسط التقنية
Al-Furat Al-Awsat Technical University

Together, we protect life on land for a greener and more sustainable future.



AL-FURAT AL-AWSAT TECHNICAL UNIVERSITY

COMMITTED TO A SUSTAINABLE FUTURE

15
LIFE ON LAND

LIFE ON LAND

Protect, restore and promote the sustainable use of terrestrial ecosystems, sustainably manage forests, combat desertification, halt and reverse land degradation and halt biodiversity loss.

Al-Furat Al-Awsat Technical University is dedicated to protecting biodiversity and natural resources through education, research, green campus initiatives, and community partnerships for a more sustainable and greener future.



LIFE ON LAND

Protecting Terrestrial Ecosystems...
Towards a Sustainable Future



PROTECT TERRESTRIAL ECOSYSTEMS AND NATURAL RESOURCES
Conserve land, forests, water and all natural resources.



SUSTAINABLE FOREST MANAGEMENT
Promote afforestation and sustainable use of forests.



BIODIVERSITY CONSERVATION
Protect wildlife and preserve biodiversity for future generations.



COMBAT DESERTIFICATION AND LAND DEGRADATION
Restore degraded land and strengthen soil resilience.



COMMUNITY PARTNERSHIP FOR LIFE ON LAND
Work together for awareness, participation and lasting environmental impact.

OUR KEY ACHIEVEMENTS

2,500+
Trees Planted

20+
Workshops & Training Programs

5+
Environmental Exhibitions

1,500+
Students & Staff Participants

Activities Conducted Throughout the Year

OUR INITIATIVES



OUR POLICIES

- ✓ Environmental Protection Policy
- ✓ Tree Planting and Green Cover Development Policy
- ✓ Natural Resource Management Policy
- ✓ Biodiversity Conservation Policy
- ✓ Sustainability and Community Engagement Policy



OUR SUPPORTING DOCUMENTS



LINKED SUSTAINABLE DEVELOPMENT GOALS



TOGETHER, WE PROTECT LIFE ON LAND FOR A GREENER AND MORE SUSTAINABLE FUTURE.



AL-FURAT AL-AWSAT
TECHNICAL UNIVERSITY

16

PEACE, JUSTICE
AND STRONG
INSTITUTIONS



PEACE, JUSTICE AND STRONG INSTITUTIONS



Promote peaceful and inclusive societies for sustainable development,
provide access to justice for all and build effective, accountable
and inclusive institutions at all levels.



PROMOTE PEACEFUL
AND INCLUSIVE
SOCIETIES



PROVIDE ACCESS
TO JUSTICE FOR ALL



BUILD EFFECTIVE,
ACCOUNTABLE AND
INCLUSIVE INSTITUTIONS



COMBAT CORRUPTION
AND BRIBERY



ENSURE TRANSPARENCY
AND ACCOUNTABILITY



RESPECT HUMAN RIGHTS
AND THE RULE OF LAW



JUSTICE
AND EQUALITY

Upholding justice
and equality for all



STRONG
INSTITUTIONS

Building effective,
accountable and
inclusive institutions



TRANSPARENCY
AND INTEGRITY

Ensuring transparency
and ethical governance



RULE OF LAW

Strengthening the
rule of law and
human rights



PARTNERSHIP
FOR PEACE

Partnering for peace
and sustainable
development



TOGETHER, WE BUILD PEACEFUL, JUST AND INCLUSIVE SOCIETIES
FOR A BETTER AND MORE SUSTAINABLE FUTURE.



SUSTAINABLE
DEVELOPMENT
GOALS

16 PEACE, JUSTICE
AND STRONG
INSTITUTIONS





AL-FURAT AL-AWSAT TECHNICAL UNIVERSITY



16
PEACE, JUSTICE AND STRONG INSTITUTIONS

PEACE, JUSTICE AND STRONG INSTITUTIONS

Building fair, transparent and accountable institutions for a peaceful and inclusive society

Al-Furat Al-Awsat Technical University is committed to promoting peaceful and inclusive societies, providing equal opportunities, ensuring justice, and building effective, accountable and transparent institutions at all levels.



Justice and Equality



Transparency and Integrity



Accountability and Governance



Strong Institutions



Partnerships for Peace and Development



OUR COMMITMENT TO SDG 16



OUR ACTIVITIES



Academic Lectures



Awareness Sessions



Workshops & Training Programs



Recognition & Appreciation



Institutional Documents



KEY ACHIEVEMENTS



10+ Academic Lectures



50+ Participants



2+ Awards & Recognitions



5+ Official Documents



Strong Governance Practices

OUR POLICIES

- ✓ Governance and Transparency Policy
- ✓ Equality and Non-Discrimination Policy
- ✓ Integrity and Anti-Corruption Policy
- ✓ Data Privacy and Protection Policy
- ✓ Community Engagement Policy



SUPPORTING DOCUMENTS



WE PROMOTE



Peace



Justice



Accountability



Inclusiveness



Strong Institutions

SUSTAINABLE DEVELOPMENT GOALS



TOGETHER, WE BUILD PEACE, ENSURE JUSTICE, AND STRENGTHEN INSTITUTIONS FOR A BETTER FUTURE



SCAN TO LEARN MORE ABOUT OUR ACTIVITIES AND INITIATIVES
www.atu.edu.iq



AL-FURAT AL-AWSAT TECHNICAL UNIVERSITY

GOAL 17

PARTNERSHIPS FOR THE GOALS



COLLABORATION



PARTNERSHIP



GLOBAL
COOPERATION



SHARED
PROGRESS



SUSTAINABLE
FUTURE

STRENGTHENING PARTNERSHIPS TO ACHIEVE A BETTER FUTURE FOR ALL

Goal 17 calls for strengthening the means of implementation and revitalizing the Global Partnership for Sustainable Development. Through collaboration, knowledge sharing, capacity building and innovation, we can accelerate progress towards achieving all Sustainable Development Goals.



جامعة الفرات الأوسط التقنية
Al-Furat Al-Awsat Technical University



STRONG INSTITUTIONS

Building effective, accountable and inclusive institutions at all levels.



KNOWLEDGE SHARING

Exchanging knowledge and expertise for innovation and growth.



CAPACITY BUILDING

Empowering people and communities for sustainable development.



GLOBAL PARTNERSHIP

Working together across sectors and borders to achieve the SDGs.



INNOVATION AND TECHNOLOGY

Leveraging innovation and technology for a better tomorrow.

LINKED TO ALL SDGs



SUSTAINABLE
DEVELOPMENT
GOALS

TOGETHER, WE CAN BUILD
A BETTER, FAIRER AND MORE
SUSTAINABLE WORLD.



PEACE, JUSTICE
AND STRONG
INSTITUTIONS
ARE THE FOUNDATION
OF SUSTAINABLE
DEVELOPMENT.



AL-FURAT AL-AWSAT TECHNICAL UNIVERSITY

17 PARTNERSHIPS FOR THE GOALS



SUSTAINABLE
DEVELOPMENT
GOALS

Strengthening Partnerships to Achieve a Better Future for All

OUR COMMITMENT

Al-Furat Al-Awsat Technical University is committed to building strong and effective partnerships with government and private institutions, universities, research centers and the local and international community to support sustainable development, enhance knowledge exchange, and create opportunities for innovation, education and scientific research.



PARTNERSHIP VISIT AND TWINNING AGREEMENT

In line with the objectives of the Ministry of Higher Education and Scientific Research to enhance scientific cooperation between public and private colleges and universities, a delegation from Al-Yarmouk University College, headed by Asst. Prof. Dr. Zaidoun Ahmed Abdul Karim, Assistant Dean for Scientific Affairs, visited the Engineering Technical College Al-Najaf to sign a twinning agreement for the Department of Laser and Optoelectronics Engineering Technologies.

They were received by Prof. Dr. Hassnein Ghani Al-Husseini, Dean of the College, Asst. Prof. Dr. Asaad Al-Sahlani, Assistant Dean for Scientific Affairs, and Dr. Abdullah Ali Al-Zubaidi, Head of the Department.

The agreement aims to strengthen cooperation, open new horizons in academic fields, raise the level of teaching, scientific research, student activities, as well as management and professional development.



17
PARTNERSHIPS
FOR THE GOALS



OUR PARTNERSHIPS CONTRIBUTE TO



GLOBAL COLLABORATION

Building international networks and exchanging expertise.



QUALITY EDUCATION

Improving academic programs and learning opportunities.



RESEARCH AND INNOVATION

Enhancing joint research and scientific development.



COMMUNITY ENGAGEMENT

Strengthening links with society and industry.



SUSTAINABLE DEVELOPMENT

Working together to achieve the SDGs.

EVIDENCE OF PARTNERSHIP ACTIVITIES



MEETINGS & DISCUSSIONS



ACADEMIC COLLABORATION



AGREEMENTS & MoUs



CONFERENCES & WORKSHOPS



TRAINING & CAPACITY BUILDING

LINKED SUSTAINABLE DEVELOPMENT GOALS



TOGETHER, WE BUILD STRONG PARTNERSHIPS THAT INSPIRE, INNOVATE AND TRANSFORM FOR A SUSTAINABLE TOMORROW.



TOGETHER TOWARDS A SUSTAINABLE FUTURE



EMPOWERING PEOPLE
AND COMMUNITIES



ADVANCING KNOWLEDGE
AND INNOVATION



BUILDING PARTNERSHIPS
FOR IMPACT



PROTECTING OUR PLANET
FOR FUTURE GENERATIONS

This report reflects our dedication to the United Nations Sustainable Development Goals (SDGs) and our continuous efforts to create a positive impact for society, the environment, and the economy.

SUSTAINABILITY REPORT

2025

Building a Sustainable Future
Through Education, Innovation,
Research and Community Partnerships

SUSTAINABLE DEVELOPMENT GOALS



جامعة الفرات الأوسط التقنية
Al-Furat Al-Awsat Technical University



www.atu.edu.iq



sustainability@atu.edu.iq

Sustainability Unit