



SOHAG UNIVERSITY

SUSTAINABILITY REPORT

2026

*Driving Sustainability Through
Innovation, Research and Community Engagement*



SUSTAINABILITY REPORT 2026

Building a Sustainable Future Together



INSIDE COVER

	University	Sohag University
	Report Title	Sustainability Report 2026
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	Vice President for Community Service and Environmental Development	Prof. Dr. Khaled Omran
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People



Planet



Governance



Prosperity



Partnership



Together for a
Sustainable
Tomorrow

ACKNOWLEDGMENT



Sohag University extends its sincere appreciation to all **faculties, administrative units, university centers, faculty sustainability coordinators, the GreenMetric Working Team, academic staff, students, and external partners** whose collaboration made this report possible.

Their commitment has significantly contributed to advancing sustainability across education, research, campus operations, governance, and community engagement.

WE THANK OUR PARTNERS IN SUSTAINABILITY



Faculties

For their continuous efforts in integrating sustainability into academic and operational activities.



Administrative Units

For their support in implementing sustainable policies and practices across the university.



University Centers

For contributing to research, innovation, and community development initiatives.



Faculty Sustainability Coordinators

For their dedication to promoting and implementing sustainability at the faculty level.



GreenMetric Working Team

For their commitment to collecting data, preparing this report, and driving continuous improvement.



Academic Staff

For advancing education, research, and awareness for a sustainable future.



Students

For their active participation and leadership in building a greener campus and society.



External Partners

For their collaboration and support in advancing our sustainability journey.



“

Together, we are building a **sustainable university** that inspires, innovates, and creates a positive impact for present and future generations.

”



A MESSAGE FROM *The President*



“Sustainability is our commitment today for a better tomorrow.”

Dear Students, Faculty, Staff, Partners, and Friends,

It is with great pride that I present Sohag University's Sustainability Report 2025. Sustainability is not merely a goal we strive for; it is a core value that shapes our vision, guides our actions, and defines our responsibilities toward future generations.

At Sohag University, we are committed to building a sustainable campus that integrates environmental stewardship, social responsibility, good governance, and academic excellence. Through our strategic initiatives, innovative research, and active community engagement, we continue to create a positive impact locally and globally.

This report reflects our achievements, ongoing efforts, and future aspirations toward advancing the Sustainable Development Goals (SDGs) and contributing to Egypt Vision 2030. I would like to extend my sincere appreciation to all members of our university community for their dedication, teamwork, and passion for building a more sustainable future.

Together, let us continue to innovate, collaborate, and lead the way toward a better, greener, and more sustainable world.

With Best Regards,



OUR VISION

To be a leading university recognized for excellence, innovation, and sustainable impact.



OUR MISSION

To provide high-quality education, conduct impactful research, and serve society through sustainable practices.



OUR PEOPLE

Empowering students, supporting staff, and building a culture of collaboration and integrity.



OUR INNOVATION

Encouraging research, creativity, and technology to address real-world challenges sustainably.



OUR IMPACT

Creating meaningful contributions to our community, nation, and the world.



OUR COMMITMENT

Committed to environmental stewardship and building a resilient sustainable future.

PROF. HASSAN AL-NOMANY
PRESIDENT OF SOHAG UNIVERSITY





A MESSAGE FROM THE VICE PRESIDENT

for Environmental Affairs
and Community Development



“Our responsibility
today shapes the world
we leave for tomorrow.”

Dear Members of the University Community,

It gives me great pleasure to present Sohag University's Sustainability Report 2025. This report highlights our collective efforts toward building a greener, healthier, and more sustainable university that serves both our community and our environment.

At Sohag University, environmental stewardship and community development are integral to our mission. We are committed to promoting sustainable practices across our campus, supporting innovation in environmental solutions, and engaging with our local community to create meaningful and lasting impact.

Through our initiatives in waste management, energy efficiency, water conservation, green spaces, and environmental awareness, we continue to advance our contribution to Egypt Vision 2030 and the Sustainable Development Goals (SDGs). Together, we can build a sustainable future that benefits current and future generations.

I extend my sincere appreciation to all who contribute to this journey with dedication, collaboration, and shared responsibility.

*Together for a Better Environment
and a Stronger Community.*



ENVIRONMENTAL STEWARDSHIP

Protecting our environment
through responsible
resource management
and sustainable
campus practices.



COMMUNITY ENGAGEMENT

Working hand in hand
with our community
to promote awareness,
participation, and
positive impact.



SUSTAINABLE OPERATIONS

Implementing efficient
systems that reduce
our footprint and
promote a culture
of sustainability.



INNOVATION & EDUCATION

Encouraging research,
creativity, and education
to develop innovative
solutions for environmental
challenges.



PARTNERSHIPS

Building strong
partnerships with
institutions, organizations,
and stakeholders for
a sustainable future.



A SUSTAINABLE FUTURE

Committed to leaving
a positive legacy for
future generations
through responsible
actions today.

PROF. KHALED OMAR ABDEL LATIF

VICE PRESIDENT
FOR ENVIRONMENTAL AFFAIRS AND COMMUNITY DEVELOPMENT
SOHAG UNIVERSITY





A MESSAGE FROM *The Director*



“

*Sustainability is not a destination;
it is a continuous journey
of innovation, responsibility,
and impact.*”



Dear Students, Faculty, Staff, Partners, and Friends,

It is my great pleasure to present Sohag University's Sustainability Report 2025. Sustainability is at the heart of our mission as we work together to create a greener, healthier, and more equitable future for our campus and our community.

At the Sustainable Development Center, we are committed to advancing sustainable practices through research, education, capacity building, and meaningful partnerships. Our focus areas include environmental stewardship, climate action, resource efficiency, and innovation for a sustainable future.

We are particularly proud to support research projects in **biochemical sciences and industrial applications** that contribute to **clean technologies, natural product valorization, green processes, and sustainable materials** for a better tomorrow.

Through workshops, training programs, and knowledge-sharing activities, we empower our university community to develop the skills and mindset needed to address real-world sustainability challenges.

Together, let us continue to learn, innovate, and collaborate for a more sustainable and resilient world.

With Best Regards,



OUR VISION

To be a leading center driving sustainability and innovation for a better future.



OUR MISSION

To promote sustainable development through research, education, capacity building, and community engagement.



OUR PEOPLE

Empowering students, staff, and partners to lead change with knowledge, integrity, and passion.



OUR RESEARCH FOCUS

- Biochemical Sciences
- Industrial Applications
- Natural Products
- Green Chemistry
- Circular Economy



TRAINING & CAPACITY BUILDING

Workshops, training courses, and seminars on sustainability topics for students, staff, and community.



OUR PARTNERSHIPS

Building strong collaborations locally, nationally, and internationally to create lasting sustainable impact.



Dr. Asmaa M. Kadry

Director
Sustainable Development Center
Sohag University



TOGETHER FOR THE
SUSTAINABLE DEVELOPMENT
GOALS

List of Abbreviations

Abbreviation	Meaning
AI	Artificial Intelligence
ESG	Environmental, Social and Governance
GD	Governance
EC	Energy and Climate Change
SI	Setting and Infrastructure
WS	Waste
WR	Water
TR	Transportation
ED	Education and Research
SDGs	Sustainable Development Goals
SDC	Sustainable Development Center
KPI	Key Performance Indicator
GHG	Greenhouse Gas
CO ₂	Carbon Dioxide
UI GreenMetric	UI GreenMetric World University Rankings

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CHAPTER 1

About Sohag University

1.1 History of Sohag University

Sohag University is one of Egypt's leading public universities and a prominent institution of higher education in Upper Egypt. Since its establishment as an independent university in 2006, following its separation from South Valley University, Sohag University has experienced continuous growth in academic excellence, scientific research, healthcare services, and community engagement.

The University has expanded significantly over the past two decades, developing modern educational facilities, advanced research laboratories, university hospitals, specialized centers, and innovation hubs that support both national development priorities and global sustainability goals. Today, Sohag University serves tens of thousands of students through a diverse range of undergraduate and postgraduate programs across scientific, medical, engineering, agricultural, humanities, and social science disciplines.

Driven by its vision of becoming a leading, internationally recognized university, Sohag University has continuously invested in high-quality education, interdisciplinary research, digital transformation, and sustainable campus development. The University actively supports innovation, entrepreneurship, renewable energy, environmental protection, and resource efficiency while strengthening partnerships with governmental organizations, industry, civil society, and international institutions.

In recent years, sustainability has become a central pillar of the University's strategic planning. The establishment of the Sustainable Development Center marked a significant milestone in integrating sustainability into institutional governance, education, research, campus operations, and community service. Through comprehensive sustainability policies, GreenMetric initiatives, environmental awareness campaigns, renewable energy projects, waste management programs, water conservation measures, and interdisciplinary research, Sohag University continues to advance its contribution to Egypt Vision 2030 and the United Nations Sustainable Development Goals (SDGs).

Today, Sohag University is recognized as a dynamic institution committed to academic excellence, responsible governance, environmental stewardship, and

sustainable development, continuously striving to create a resilient, innovative, and environmentally responsible university for future generations.

Timeline

Year	Milestone
1995	Sohag Campus established as a branch of South Valley University.
2006	Sohag University officially became an independent public university by Presidential Decree.
2010–2017	Expansion of academic programs, faculties, research laboratories and university hospitals.
2018	Major development of the New Sohag Campus and expansion of modern educational infrastructure.
2020	Accelerated digital transformation and implementation of smart educational services.
2023	Establishment of the Sustainable Development Center to institutionalize sustainability across education, research, operations and community engagement.
2024	Formation of the GreenMetric Working Team and appointment of Sustainability Coordinators in all faculties.
2025	Launch of institutional sustainability policies, governance framework, sustainability website, and annual sustainability reporting.
2026	Expansion of renewable energy projects, circular economy initiatives, carbon footprint programs, AI for sustainability applications, and international sustainability partnerships.

1.2 University Profile

Overview

Sohag University is a comprehensive public university located in Upper Egypt, serving as one of the country's leading institutions for higher education, scientific research, innovation, healthcare, and community development. Since becoming an independent university in 2006, the University has evolved into a multidisciplinary institution offering high-quality education across medical, engineering, scientific, agricultural, educational, humanities, and social science disciplines.

The University is committed to academic excellence, research innovation, digital transformation, environmental sustainability, and social responsibility. Through its strategic plans, modern infrastructure, specialized research centers, university hospitals, and active engagement with national and international partners, Sohag University continues to contribute to Egypt Vision 2030 and the United Nations Sustainable Development Goals (SDGs).

Sustainability is embedded within the University's governance, education, research, campus operations, and community engagement activities. Continuous investments in renewable energy, water conservation, waste management, green infrastructure, digital technologies, and sustainable procurement demonstrate the University's commitment to building a resilient, environmentally responsible, and future-ready campus.

Indicator	Value
 Location	Sohag, Egypt
 Established	Independent since 2006
 Faculties	21
 Students	100,000
 Academic Staff	3277
 Administrative Staff	7494
 University Hospitals	3

	Research Centers & Units	69+
	Sustainability Coordinators	19
	GreenMetric Working Team	Established
	International Partnerships	22
	National & International Rankings	Multiple

Academic Excellence

- Undergraduate Programs
- Postgraduate Programs
- Continuing Education
- Digital Learning
- Academic Accreditation
- Student Support
- Research-led Education



1.3 Vision, Mission and Core value.

- Vision

To become a globally recognized sustainable university that excels in education, scientific research, innovation, environmental stewardship,

and community engagement, contributing effectively to Egypt Vision 2030 and the United Nations Sustainable Development Goals (SDGs).

Vision Pillars

 **Global Recognition** Achieving international excellence in higher education and sustainability.

 **Academic Excellence** Delivering high-quality education that prepares future leaders.

 **Research & Innovation** Generating impactful research that addresses national and global challenges.

 **Environmental Stewardship** Promoting responsible resource management, climate action, and biodiversity conservation.

 **Community Engagement** Creating lasting social, economic, and environmental value for society.

- **Mission**

Sohag University is committed to providing outstanding education, advancing innovative research, delivering high-quality healthcare and community services, and embedding sustainability across all institutional functions through responsible governance, digital transformation, environmental protection, and strategic partnerships that contribute to sustainable national development.

Strategic Commitments

 Deliver high-quality education.

 Promote interdisciplinary research and innovation.

 Integrate sustainability into teaching, research, operations, and governance.

 Support digital transformation and smart campus initiatives.

 Improve environmental performance through efficient resource management.

 Strengthen partnerships with government, industry, and international organizations.

 Support the achievement of the Sustainable Development Goals.

- **Core Values**

Excellence: Pursuing the highest standards in education, research, healthcare, and institutional performance.

Sustainability: Embedding environmental, social, and economic sustainability into every aspect of university operations.

Innovation: Encouraging creativity, entrepreneurship, scientific discovery, and technological advancement.

Integrity : Promoting transparency, accountability, ethical conduct, and responsible governance.

Collaboration: Building strong partnerships within the university and with national and international stakeholders.

Inclusiveness: Providing equal opportunities and fostering diversity, gender equality, and respect for all.

Community Engagement: Supporting sustainable development through meaningful service and societal impact.

Environmental Responsibility: Protecting natural resources, reducing environmental impacts, and promoting climate resilience.

Continuous Improvement: Enhancing institutional performance through evidence-based planning, monitoring, evaluation, and innovation.

1.4 University Campuses and University Hospitals

University Campuses

Sohag University operates through two integrated campuses that together provide a modern educational environment supporting education, scientific research, innovation, healthcare, and sustainable development. The campuses combine academic facilities, administrative buildings, research laboratories, student services, sports facilities, green landscapes, and supporting infrastructure designed to meet the needs of a rapidly growing university community.



The University occupies a total campus area of 4,023,806.57 m², providing sufficient space for academic buildings, research facilities, parking areas, and future expansion while maintaining a high proportion of open and green spaces. The total ground-floor area of university buildings is 196,500 m², leaving 95.12% of the campus as open space.

As part of its sustainability strategy, Sohag University continuously upgrades its infrastructure through:

- Construction of modern educational and research facilities.
- Continuous renovation and maintenance of existing buildings.
- Adoption of green building principles in new construction and rehabilitation projects.
- Expansion of digital infrastructure and smart campus technologies.

- Improvement of pedestrian accessibility and sustainable transportation.
- Development of environmentally friendly landscapes and green spaces.

Following the COVID-19 pandemic, the University resumed construction activities and accelerated maintenance and infrastructure development projects across both campuses.

Green Infrastructure



Environmental sustainability is a central consideration in campus planning and development. The University's infrastructure has been designed to balance educational expansion with environmental conservation.

Key sustainability indicators include:

- Total campus area: 4,023,806.57 m²
- Ground-floor building area: 196,500 m²
- Open space ratio: 95.12%
- Area covered by planted vegetation: 1,397,040.31 m² (34.72%)
- Forest vegetation used for education, research, and community engagement: 1,562,377 m² (38.83%)

These figures demonstrate the University's commitment to maintaining a healthy, green, and environmentally sustainable campus.

University Hospitals

Sohag University has developed an integrated healthcare system that serves both the university community and the wider population of Upper Egypt through three major university hospitals, supported by specialized healthcare facilities and emergency medical services.



The healthcare system includes:

- New Sohag University Hospital (New Sohag City)
- Sohag University Hospital (Old Campus)
- Specialized Surgery Hospital
- Shefaa Children's Hospital (newly introduced in 2025)

Student and Staff Healthcare



To ensure accessible healthcare services across both campuses, the University also provides:

- Two medical care units, one on each campus.
- Three ambulances for emergency response and patient transportation.
- Comprehensive first-aid, emergency, outpatient, and clinical healthcare services available for students, faculty members, administrative staff, and the public.

Shefaa Children's Hospital



One of the University's flagship healthcare projects is Shefaa Children's Hospital, which became operational in 2025 and is recognized as one of the largest pediatric medical facilities in Egypt.

The hospital includes: 263 inpatient beds ,122 patient rooms ,17 outpatient clinics , 5 operating theaters , 3 endoscopy rooms , Kidney dialysis units , Neonatal Intensive Care Unit (NICU) , Pediatric oncology unit , Radiology department , Isolation units , Rehabilitation and physiotherapy facilities , Central Sterilization Unit (CSSD) , Doctors' accommodation and meeting facilities

Continuous Healthcare Development

To improve the quality and reliability of healthcare services, Sohag University has recently:

- Equipped university hospitals with advanced transportation vehicles worth EGP 40 million to facilitate medical services.
- Installed an Automatic Voltage Regulator (AVR) system at the New Emergency Hospital at a cost of EGP 43 million, ensuring uninterrupted operation of critical medical equipment such as ICU systems, ventilators, MRI scanners, and X-ray machines.

Medical Sustainability



The University Hospitals actively support sustainability by:

- Safe segregation and treatment of medical waste.
- Collaboration with the Medical and Industrial Waste Management Unit.

- Occupational health and patient safety programs.
- Compliance with environmental and healthcare regulations.
- Continuous modernization of healthcare infrastructure and medical technologies

1.5 Students, Academic Staff and Administrative Staff

Human Capital at Sohag University

People are the University's greatest asset and the driving force behind its academic excellence, research productivity, innovation, and sustainable development. Sohag University is committed to fostering an inclusive, diverse, and supportive academic community that empowers students, faculty members, researchers, and administrative staff to contribute effectively to national development and the achievement of the Sustainable Development Goals (SDGs).

The University continuously invests in human capital through quality education, professional development, scientific research, digital transformation, leadership development, and equal opportunity policies. These efforts strengthen institutional performance while promoting social responsibility, environmental awareness, and innovation across all sectors of the University.

Student Community



Sohag University serves a rapidly growing and diverse student population enrolled in undergraduate and postgraduate programs across 21 faculties and specialized academic units.

The University provides students with:

- High-quality academic programs.
- Modern classrooms and laboratories.
- Digital learning platforms.
- Student activities and leadership programs.
- Innovation and entrepreneurship initiatives.
- Healthcare and counseling services.
- Sports and cultural activities.
- Sustainability awareness programs.
- Volunteer and community engagement opportunities.

Students actively participate in environmental campaigns, GreenMetric initiatives, tree planting programs, waste reduction activities, and sustainability ambassador training programs organized by the Sustainable Development Center.

Academic Staff



The University employs a distinguished body of professors, associate professors, lecturers, assistant lecturers, and teaching assistants who contribute to excellence in education, scientific research, innovation, and community service.

Academic staff members are actively involved in:

- Teaching and curriculum development.
- Scientific research.
- International publications.
- Sustainability-related research.
- Community engagement.
- Graduate supervision.
- International cooperation.
- Capacity-building activities.

The University continuously supports academic staff through research funding, professional development programs, international collaborations, and incentives for publishing in high-impact journals.

Administrative Staff



Administrative staff play a fundamental role in ensuring efficient governance, operational excellence, and high-quality services throughout the University.

Their responsibilities include:

- Academic administration.
- Financial management.
- Human resources.
- Digital transformation.
- Student affairs.
- Procurement.
- Facility management.
- Environmental management.
- Occupational health and safety.
- Quality assurance.

The University regularly provides training programs to enhance administrative competencies, digital skills, governance practices, and sustainability awareness, thereby improving institutional effectiveness.

Building a Sustainable University Community

Sohag University promotes an inclusive institutional culture through: Equal opportunity and gender equality, Continuous professional development, Employee wellbeing, Occupational safety and health, Digital transformation, Leadership development, Environmental awareness, Student empowerment, Community engagement, Innovation and entrepreneurship.

These initiatives strengthen the University's ability to achieve sustainable development while maintaining a highly qualified academic and administrative workforce.

1.6. Faculties and Academic Programs

Academic Excellence Across Diverse Disciplines

Sohag University is a comprehensive public university committed to delivering high-quality education, advancing scientific research, fostering innovation, and supporting sustainable development. Since becoming an independent university in 2006, it has experienced continuous academic expansion to address national priorities and meet international higher education standards.

Today, the University comprises 20 faculties and one specialized institute, offering a broad spectrum of undergraduate, postgraduate, professional, and credit-hour programs across medical sciences, engineering, natural sciences, agriculture, humanities, social sciences, education, law, business, archaeology, languages, computer science, and applied arts.

Academic programs are continuously reviewed and updated to align with labor market demands, digital transformation, scientific

advancement, Egypt Vision 2030, and the United Nations Sustainable Development Goals (SDGs). Sustainability concepts are increasingly embedded within curricula, interdisciplinary research, community engagement, and student-led innovation projects.

Academic Structure

The academic structure of Sohag University includes:

- 20 Faculties
- 1 Specialized Institute
- Undergraduate Programs
- Postgraduate Programs (Diploma, Master's, and PhD)
- Credit-Hour Programs
- Professional Programs
- Clinical Education Programs
- Continuing Education Programs

Academic programs emphasize:

- Quality Education
- Research and Innovation
- Digital Transformation
- Entrepreneurship
- Environmental Sustainability
- Community Engagement
- International Competitiveness

Faculties and Academic Units

- Medical and Health Sciences
 - Faculty of Medicine
 - Faculty of Pharmacy
 - Faculty of Dentistry
 - Faculty of Veterinary Medicine
 - Faculty of Nursing
- Engineering, Technology and Computing
 - Faculty of Engineering
 - Faculty of Computers and Artificial Intelligence
- Natural and Agricultural Sciences
 - Faculty of Science
 - Faculty of Agriculture

- Humanities, Social Sciences and Business
- Faculty of Arts
- Faculty of Commerce
- Faculty of Law
- Faculty of Archaeology
 - Education and Human Development
- Faculty of Education
- Faculty of Specific Education
- Faculty of Physical Education
- Recently Established Faculties
- Faculty of Media and Communication
- Faculty of Languages and Translation
- Faculty of Tourism and Hotels
- Faculty of Fine Arts
- Specialized Institute
- Institute of Environmental Studies and Research



Academic Programs Supporting Sustainability

Sustainability is integrated across academic activities through:

- Sustainability-related courses across multiple disciplines.

- Interdisciplinary research addressing environmental and societal challenges.
- Green technologies and renewable energy research.
- Sustainable agriculture and biotechnology.
- Waste management and circular economy research.
- Community-based learning and service.
- Innovation and entrepreneurship initiatives.
- Digital education and smart learning environments.

1.7 University in Numbers

Out of 36 universities, Sohag University ranked 21st Locally in the Times Higher Education Rankings and continues its Steady Progress in the International Rankings

With steady steps towards the top, Dr. Hassan El-Nomany, President of Sohag University, announced that the university has achieved a new accomplishment in the Times Higher Education World University Rankings 2026. The university has advanced in the local ranking to occupy the 21st place among 36 ranked Egyptian universities, while maintaining its position in the global category (1201-1500) among 2191 universities worldwide, achieving a remarkable improvement in a number of academic and research performance indicators.

The university president explained that Sohag University's overall score increased from 30 points last year to 32 points this year, reflecting a clear improvement in institutional and research performance. He added that the university achieved significant progress in the International Outlook axis, obtaining 52.2 points, ranking 834th globally, compared to 842nd last year. It also made progress in the quality of scientific research axis, obtaining 55.1 points.

Al-Nomany expressed his pride in this progress, emphasizing that the university's positive results are the result of the ongoing efforts of the university's administration, staff members, , and researchers, all within the framework of an ambitious vision aimed at enhancing the quality of education, scientific research, and community service.

He emphasized that the university is working according to an integrated plan to develop its capabilities and increase its international presence, in line with the state's efforts to support Egyptian universities in achieving advanced global positions.

From the University's Scientific Publishing Center, explained that the improvement in the international outlook axis reflects the success of the university's strategy in building academic and research partnerships with prestigious institutions around the world, and increasing the volume of joint research and scientific publications in highly ranked international journals.

ask you to the 57 universities that actively participated in our inaugural e-waste campaign!

1. University of Babylon, College of Pharmacy (Iraq)
2. Maejo university (Thailand)
3. Catholic Parahyangan University (Indonesia)
4. Sukhothai Thammathirat Open University (Thailand)
5. Beni-Suef University (Egypt)
6. University of Sebelas Maret (Indonesia)
7. Sohag University (Egypt)
8. SRM Institute of Science and Technology, Kattankulathur Campus (India)
9. King Mongkut's University of Technology Thonburi (Thailand)
10. Bashkir State Agrarian University (Russia)
11. Biotech University (Russia)
12. Universidad del Norte (Colombia)
13. The Open University of Sri Lanka (Sri Lanka)
14. Khwaja Fareed University of Engineering and Information Technology Rahim Yar Khan Pakistan (Pakistan)
15. Universitas Katolik Widya Mandala Surabaya (Indonesia)
16. UNI-RN (Brazil)
17. Erciyes University (Turkey)
18. University of Foggia (Italy)
19. Pontificia Universidad Javeriana Cali (Colombia)
20. Universidad San Francisco de Quito (Ecuador)
21. Trakya University (Turkey)
22. Universitas Medan Area (Indonesia)
23. Istanbul Technical University (Turkey)
24. Cag University (Turkey)
25. Feroz Khan Noon University (Pakistan)

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الجامعات المصرية
تواصل التقدم عالمياً في تصنيف
U.S. News
للعام 2027/ 2026

إحتار جديد إضاف إلى سجل
التحيز الأكاديمي والبحثي
للجامعات المصرية

من 16 جامعة
المرتبة بالتصنيف
2021/2022

إلى 29 جامعة
2026/2027

1000 +

مركز أفضل 1000 جامعة عالمياً

ضمن أفضل 300 جامعة عالمياً

ضمن أفضل 500 جامعة عالمياً

حافظت جامعة القاهرة على صدارتها محلياً
وجابت في المركز 221 عالمياً

تحت مبادرة تصنيف
U.S. News Best Global Universities
بمشاركة 10% من
الأكاديمي

15% زيادة
البحثية

25% السعة
البحثية

50% تأثير البحث
العلمي

هذا الإنجاز يعكس التطور المستمر في منظومة التعليم العالي والبحث العلمي في مصر
ويبرز مكانة الجامعات المصرية على خريطة التعليم عالمياً

CHAPTER 2.

Sustainability at Sohag University

2.1 Sustainability Vision, Mission, Values, Strategic Objectives and Framework.

Sustainability Vision

To position Sohag University as a nationally and internationally recognized model of sustainability by integrating environmental stewardship, social responsibility, economic resilience, and good governance into education, scientific research, campus operations, healthcare services, innovation, and community engagement, thereby contributing effectively to Egypt Vision 2030 and the United Nations Sustainable Development Goals (SDGs).

Sustainability Mission

The Sustainable Development Center is committed to leading and coordinating the University's sustainability agenda by promoting sustainable policies, supporting green campus initiatives, strengthening sustainability education and research, enhancing institutional governance, encouraging responsible resource management, fostering innovation and digital transformation, and building strategic partnerships that generate lasting environmental, social, and economic value for present and future generations.

Sustainability Core Values

The University's sustainability framework is guided by the following core values:

 Sustainability: Embedding sustainability principles into every academic, research, operational, and administrative activity.

 Academic Excellence: Delivering outstanding education that prepares graduates capable of addressing future sustainability challenges.

 Innovation: Encouraging creativity, scientific discovery, entrepreneurship, and technological advancement.

 Integrity and Transparency: Ensuring ethical conduct, accountability, fairness, and responsible institutional governance.

 **Collaboration:** Building effective partnerships among faculties, students, governmental institutions, industry, civil society, and international organizations.

 **Community Engagement:** Creating positive social, economic, and environmental impacts through community service and outreach.

 **Environmental Responsibility:** Protecting natural resources, reducing environmental impacts, promoting biodiversity, and supporting climate action.

 **Evidence-Based Decision Making:** Using reliable data, indicators, and performance monitoring to support continuous improvement.

 **Continuous Improvement:** Promoting institutional learning, innovation, quality enhancement, and organizational excellence.

Strategic Objectives

The Sustainability Development Center implements its vision through the following strategic objectives:

Objective 1: Institutional Governance: Strengthen sustainability governance by integrating sustainability into university policies, strategic planning, decision-making, and institutional performance management.

Objective 2: Sustainable Education: Integrate sustainability principles into curricula, teaching methods, student activities, and lifelong learning programs.

Objective 3: Research and Innovation: Promote interdisciplinary research and innovation addressing environmental, economic, and social sustainability challenges.

Objective 4: Green Campus: Develop an environmentally responsible campus through efficient management of energy, water, waste, biodiversity, transportation, and green infrastructure.

Objective 5: Climate Action: Reduce greenhouse gas emissions and carbon footprint while enhancing climate resilience and environmental performance.

Objective 6: Digital Transformation: Expand smart technologies, artificial intelligence applications, paperless administration, and digital services to improve sustainability performance.

Objective 7: Community Engagement: Strengthen partnerships with governmental agencies, industry, schools, NGOs, and international organizations to maximize societal impact.

Objective 8: Capacity Building: Develop sustainability competencies among students, faculty members, researchers, administrative staff, and community stakeholders.

Objective 9: Monitoring and Reporting: Implement sustainability indicators, performance measurement systems, benchmarking, and annual sustainability reporting to ensure continuous improvement.

Sustainability Framework

The University's sustainability framework is built upon four interconnected pillars:

● Environmental Sustainability: Climate Action, Renewable Energy, Water Conservation, Waste Management, Biodiversity, Green Buildings

● Social Sustainability: Quality Education, Student Well-being, Gender Equality, Community Engagement, Health & Safety

● Economic Sustainability: Resource Efficiency, Sustainable Procurement, Innovation, Entrepreneurship, Financial Responsibility

● Governance: Ethics, Transparency, Accountability, Digital Transformation, Strategic Planning Institutional Policies

Alignment with Global Frameworks

Sohag University's sustainability strategy is fully aligned with:

-  EG Egypt Vision 2030
-  United Nations Sustainable Development Goals (SDGs)
-  UI GreenMetric World University Rankings
-  QS Sustainability Rankings
-  National Strategy for Higher Education and Scientific Research
-  National Climate Change Strategy 205

2.2 Alignment with Egypt Vision 2030 and the United Nations Sustainable Development Goals (SDGs)

Strategic Alignment

Sohag University recognizes sustainability as a fundamental institutional commitment and aligns its strategic planning, academic activities, research priorities, campus operations, healthcare services, and community engagement with both Egypt Vision 2030 and the United Nations Sustainable Development Goals (SDGs).

Through its Sustainability Development Center, the University integrates sustainability principles into institutional governance and decision-making while supporting national priorities for inclusive economic growth, environmental protection, social justice, innovation, and knowledge-based development.

This alignment ensures that sustainability is embedded across all university functions, contributing to national development while addressing global challenges such as climate change, responsible resource management, quality education, public health, and sustainable communities.

Alignment with Egypt Vision 2030

Sohag University contributes directly to the implementation of Egypt Vision 2030, particularly within the following strategic dimensions:

 **Education:** Improving the quality of higher education, Developing future-ready graduates, Promoting lifelong learning, Expanding digital education.

 **Innovation and Scientific Research:** Supporting applied research, Encouraging innovation and entrepreneurship, Strengthening knowledge transfer, Addressing national development challenges.

 **Environmental Sustainability:** Green campus initiatives, Renewable energy projects, Water conservation, Waste reduction and recycling, Biodiversity conservation, Climate action.

 **Health:** High-quality healthcare services, Medical education, Community health initiatives, Sustainable healthcare management.

 **Governance:** Institutional transparency, Accountability, Digital transformation, Risk management, Ethical conduct, Performance monitoring.

 **Social Justice:** Equal opportunities, Gender equality, Student empowerment, Community participation, Capacity building.

Alignment with the Sustainable Development Goals (SDGs)

Sohag University supports all 17 Sustainable Development Goals, with particular emphasis on the goals most closely related to higher education, research, healthcare, environmental sustainability, and institutional governance.

SDG	University Contribution
SDG 3 – Good Health and Well-being	University hospitals, medical education, healthcare services, occupational health, and community health initiatives.
SDG 4 – Quality Education	High-quality education, digital learning, curriculum development, lifelong learning, and academic excellence.
SDG 5 – Gender Equality	Equal opportunity policies, women in leadership, student empowerment, and inclusive participation.
SDG 6 – Clean Water and Sanitation	Water conservation, efficient irrigation systems, and sustainable water management.
SDG 7 – Affordable and Clean Energy	Renewable energy projects, energy efficiency, and campus energy management.
SDG 8 – Decent Work and Economic Growth	Graduate employability, entrepreneurship, innovation, and capacity building.
SDG 9 – Industry, Innovation and Infrastructure	Research laboratories, innovation projects, smart campus initiatives, and digital transformation.
SDG 10 – Reduced Inequalities	Equal access to education, inclusive policies, and student support services.
SDG 11 – Sustainable Cities and Communities	Green infrastructure, community partnerships, and environmental awareness.
SDG 12 – Responsible Consumption and Production	Waste management, recycling, sustainable procurement, and resource efficiency.
SDG 13 – Climate Action	Carbon footprint reduction, environmental monitoring, and climate awareness.
SDG 15 – Life on Land	Green spaces, biodiversity conservation, and sustainable landscaping.
SDG 16 – Peace, Justice	Governance, ethics, anti-corruption, transparency, and

and Strong Institutions

institutional accountability.

SDG 17 – Partnerships for the Goals

National and international partnerships, research collaboration, and stakeholder engagement.

Institutional Integration of Sustainability

To ensure effective implementation of sustainability principles, Sohag University has established an integrated institutional framework that includes:

- Sustainability Development Center.
- Faculty Sustainability Coordinators.
- GreenMetric Working Team.
- Sustainability policies and regulations.
- Strategic planning and performance indicators.
- Annual sustainability reporting.
- Capacity-building and awareness programs.
- Community engagement initiatives.
- National and international partnerships.

These mechanisms ensure that sustainability is embedded within teaching, research, operations, governance, and community service.

2.3. Sustainability Center Activities:

Participating in the international rankings (UI GreenMetric) of the most sustainable universities for the first time and obtaining the fifth position in Africa and ranked 492 globally among 912 universities for 2020, while it ranked 400 globally among 956 universities and got the fifth position for the second time in Africa during the ranking of 2021.

During the ranking of 2022, the university ranked 355 globally and the eighth at the african level among 1050 universities from 84 countries around the world.

Due to improving the sustainability activities, Sohag University achieved better results in the ranking of by obtaining the 320th position globally out of 1183 international universities and achieving the eighth position in Egypt and Africa.

In 2024, Sohag University achieved better results in the ranking of by obtaining the 255th position globally out of 1477 international universities and achieving the first position in Egypt and Africa.







FACT FILE 2024

UI GREENMETRIC 2024

SOHAG UNIVERSITY
EGYPT



2. RESULTS SUMMARY

World Ranking 255	SI Ranking 72	EC Ranking 628	WS Ranking 348
	WR Ranking 35	TR Ranking 163	ED Ranking 615

3. WORLD RANKINGS HISTORY



Figure 3.1 World Rankings History Diagram

4. RANKING IN EGYPT

Country Ranking 1	SI Ranking 1	EC Ranking 14	WS Ranking 3
	WR Ranking 1	TR Ranking 1	ED Ranking 18





UNIVERSITAS
INDONESIA
Yektin, Probitin, Santia | Est. 1945



Certificate

This certificate is awarded to

SOHAG UNIVERSITY

as the Most Sustainable University in Africa
in the 2024 UI GreenMetric World University Rankings

12 December, 2024



Prof. Dr. Ir. Riri Fitri Sari, M.M., M.Sc.
Chairperson of UI GreenMetric



UNIVERSITAS
INDONESIA
Yektin, Probitin, Santia | Est. 1945



Certificate

This certificate is awarded to

Sohag University

as The 255th World's Most Sustainable University
in 2024 UI GreenMetric World University Rankings

12 December, 2024



Prof. Dr. Ir. Riri Fitri Sari, M.M., M.Sc.
Chairperson of UI GreenMetric

Participation in the international sustainability workshops:

1 -The Director of Sustainability center at the university (**Prof. Hamdy M .A. Hassanein**), representing Sohag University, has participated in the virtual workshop on:

UI GreenMetric World University ranking (13-15 October 2020 University of Zanjan, Iran).



2-The Director of Sustainability center at the university (**Prof. HamdyM .A. Hassanein**), has participated in the virtual workshop on: **Collective actions for transforming sustainable universities after the pandemic period which was held from 27-29 September 2022 in Chinese Taipei**



Spreading sustainability culture:





The President of Sohag University Prof. H. Noaman launched the presidential initiative (planting 100 million trees) by planting 1,000 fruit trees at Sohag University with the participation of all university employees.



Moreover, to spread the culture of sustainability among university employees and the surrounding community, the center nominated 30 young men and women (administrators and students) to train them on sustainability concepts and applications within the "Sustainability Ambassadors" initiative organized by the National Institute for Governance and Sustainable Development, the training arm of the Egyptian Ministry of Planning.

16 candidates from Sohag University have completed the training courses and are qualified to be Sustainability Ambassadors and Trainers (TOT) and will contribute to the training activities of the Sustainability Unit.



CHAPTER 3.

GreenMetric Performance

3.1. Setting and Infrastructure.

Sustainable Infrastructure Programs and Initiatives

Sohag University has established an integrated framework for sustainable campus planning and infrastructure development that supports environmental stewardship, operational efficiency, and the well-being of students, staff, and the wider community. The University continuously invests in sustainable infrastructure projects designed to improve campus resilience, optimize resource utilization, enhance environmental quality, and contribute to national and global sustainability agendas.

The University's infrastructure strategy incorporates green building principles, efficient land utilization, biodiversity conservation, sustainable mobility, occupational health and safety, and digital technologies to ensure that campus development aligns with international sustainability standards and best practices.

Major infrastructure and environmental initiatives include:

Green Buildings and Sustainable Construction

- Construction and renovation of academic and administrative buildings in accordance with green building principles.
- Integration of natural lighting and natural ventilation systems to reduce energy demand and improve indoor environmental quality.
- Continuous modernization of university facilities to enhance long-term operational efficiency and environmental performance.

Green Campus and Biodiversity

- Preservation and expansion of green open spaces across university campuses.
- Protection and enhancement of biodiversity through landscape development and tree-planting initiatives.
- Sustainable land-use planning that maintains a high proportion of open and vegetated areas.

Sustainable Water Management

- Implementation of water conservation measures and efficient irrigation systems.
- Utilization of groundwater resources for agricultural purposes under sustainable water management practices.
- Continuous monitoring of water consumption to improve resource efficiency.

Inclusive Sanitation and Environmental Health

- Provision of environmentally friendly sanitation facilities throughout the campus.
- Accessible sanitary facilities designed to serve persons with disabilities.
- Comprehensive waste segregation systems, including specialized collection and treatment of hazardous medical and laboratory waste.

Sustainable Mobility

- Development of pedestrian-friendly walkways and cycling infrastructure.
- Promotion of low-carbon transportation through improved public transportation access.
- Designation of vehicle-free zones within selected campus areas to reduce greenhouse gas emissions and improve air quality.

Smart Infrastructure and Digital Transformation

- Deployment of digital technologies to monitor energy consumption, water use, and infrastructure performance.
- Adoption of smart management systems to improve operational efficiency and support evidence-based decision-making.

Infrastructure Maintenance and Asset Management

Maintaining university buildings and infrastructure is a fundamental component of Sohag University's facilities management strategy. Preventive and corrective maintenance programs are regularly implemented to preserve the functionality, safety, and sustainability of university assets.

These activities include:

- Periodic inspection of buildings and infrastructure.
- Maintenance of electrical, plumbing, HVAC, and ventilation systems.
- Preventive replacement of aging equipment and components.
- Continuous monitoring of facility performance.
- Efficient management of maintenance resources to reduce operational costs and extend asset life cycles.

Through systematic maintenance planning, the University enhances building performance, reduces future repair costs, improves energy and water efficiency, and supports long-term infrastructure sustainability.

Occupational Safety, Health, and Risk Management

Sohag University implements an integrated Occupational Safety and Health (OSH) and Risk Management System that safeguards students, staff, visitors, facilities, laboratories, hospitals, and university assets.

The system focuses on:

- Hazard identification and risk assessment.
- Emergency preparedness and response planning.
- Protection of university property and infrastructure.
- Safe operation of laboratories and healthcare facilities.
- Compliance with national occupational health, environmental, and safety regulations.
- Continuous awareness and training programs for employees and students.

Contribution to the Sustainable Development Goals

These infrastructure and environmental initiatives directly contribute to the achievement of **12 United Nations Sustainable Development Goals (SDGs)**:

- **SDG 3** – Good Health and Well-being
- **SDG 4** – Quality Education
- **SDG 5** – Gender Equality
- **SDG 6** – Clean Water and Sanitation
- **SDG 9** – Industry, Innovation and Infrastructure
- **SDG 10** – Reduced Inequalities
- **SDG 11** – Sustainable Cities and Communities
- **SDG 12** – Responsible Consumption and Production
- **SDG 13** – Climate Action
- **SDG 15** – Life on Land
- **SDG 16** – Peace, Justice and Strong Institutions
- **SDG 17** – Partnerships for the Goals

Collectively, these programs strengthen Sohag University's commitment to creating a resilient, inclusive, environmentally responsible, and resource-efficient campus while supporting Egypt Vision 2030 and advancing the University's long-term sustainability objectives.



The main conference hall building and the central administration building are models of green buildings.



The classrooms and lecture halls are naturally lit based on daylight.



Cooperation protocol between the Faculty of Science and the University Hospital Administration for the disposal of hazardous waste

The new university hospital has been equipped with a shredder for disposing of hazardous waste, which helps in preserving the environment.



Sohag University implements occupational safety and health procedures and risk management





Sohag University established a unit to produce biogas from plant and animal farm waste.



Development of pedestrian walkways, bicycle lanes, and integration with public transportation to promote low-emission mobility.



Establishment of motor-vehicle-free zones in certain campus areas to promote green mobility and reduce emissions

3.2. Energy and Climate Change (EC)

Renewable Energy, Climate Action and Sustainable Innovation

Sohag University is committed to accelerating the transition toward clean energy and climate resilience by integrating renewable energy technologies, sustainable infrastructure, innovative

research, and environmental awareness into its academic, operational, and community activities. Through multidisciplinary research, smart technologies, and green campus initiatives, the University actively contributes to reducing greenhouse gas emissions, improving energy efficiency, and supporting the national transition toward a low-carbon economy.

Renewable Energy Systems and Smart Technologies

The University has implemented several renewable energy projects that serve both educational and operational purposes. One of the flagship initiatives is the **photovoltaic (PV) system** installed at the Power and Electrical Machinery Laboratory, Faculty of Technology and Education. Following a recent upgrade, the installed capacity increased from **3.5 kW to 4.2 kW**, enabling the system to generate approximately **9,198 kWh of clean electricity annually**. The generated electricity supplies laboratory lighting while providing students with practical training in photovoltaic system design, installation, operation, and maintenance.

To further promote sustainable agricultural practices, the University has developed a **solar-powered smart irrigation system** that optimizes irrigation schedules and improves water-use efficiency. In addition, a **solar-powered water pumping system**, consisting of photovoltaic panels connected to a single-phase electric motor-driven pump, provides an environmentally friendly solution for irrigation and rural water supply applications.

Research and student innovation have also contributed to improving renewable energy efficiency through the development of a **solar tracking system** using stepper motor technology. The movable tracking mechanism enables photovoltaic panels to follow the sun throughout the day, significantly increasing energy harvesting efficiency.

Another innovative project is the **solar-powered food dryer**, developed by the Department of Electrical Technology. The system integrates photovoltaic electricity generation, battery storage, solar thermal heating, and ESP32-based smart control technology to provide a zero-operating-cost solution for drying agricultural products. This project contributes to reducing post-harvest losses, improving food security, supporting rural communities, and promoting sustainable agricultural production.

Energy Conservation and Sustainability Awareness

Recognizing that behavioral change is essential for achieving sustainable energy management, Sohag University regularly organizes seminars, workshops, awareness campaigns, and specialized training programs on energy efficiency, renewable energy technologies, climate change mitigation, and responsible energy consumption. These activities target students, academic staff, researchers, and administrative employees, strengthening environmental awareness and encouraging innovation in sustainable energy solutions.

Sustainable Transportation

The University promotes environmentally friendly transportation through several initiatives designed to reduce greenhouse gas emissions and improve campus environmental quality. A proposal has been submitted to establish an **Electric Vehicle (EV) Charging Station** on campus, supporting the future adoption of electric mobility. In parallel, the University organizes bicycle marathons and awareness campaigns to encourage cycling and active transportation while reducing dependence on fossil fuel-powered vehicles.

To further reduce campus emissions, motorcycle access is restricted in selected areas, pedestrian-friendly zones have been expanded, and sustainable mobility policies continue to be integrated into campus planning.

Green Campus and Sustainable Infrastructure

Sohag University adopts environmentally responsible planning principles in the design and operation of its campus infrastructure. Academic buildings maximize natural daylight and natural ventilation to reduce electricity demand for lighting and cooling. Continuous expansion of green spaces, tree-planting campaigns, rooftop agriculture initiatives, and landscape enhancement projects contribute to carbon sequestration, biodiversity conservation, thermal comfort, and climate resilience.

These initiatives improve environmental quality while creating a healthier and more sustainable learning environment for students, staff, and visitors.

Environmental Conferences and Community Engagement

The University actively promotes environmental responsibility through conferences, scientific events, and community outreach programs. The **First International Environmental Conference** provided an important platform for discussing climate change, environmental innovation, renewable energy technologies, and sustainable development challenges. Such events strengthen collaboration among researchers, governmental institutions, industry, and civil society while encouraging knowledge exchange and sustainable innovation.

Contribution to Sustainable Development Goals

Collectively, these initiatives demonstrate Sohag University's strong commitment to renewable energy deployment, climate action, environmental stewardship, sustainable infrastructure, scientific research, student innovation, and community engagement. They directly contribute to the achievement of the following United Nations Sustainable Development Goals:

- **SDG 3 – Good Health and Well-being**
- **SDG 4 – Quality Education**
- **SDG 5 – Gender Equality**
- **SDG 6 – Clean Water and Sanitation**
- **SDG 7 – Affordable and Clean Energy**
- **SDG 8 – Decent Work and Economic Growth**
- **SDG 9 – Industry, Innovation and Infrastructure**
- **SDG 11 – Sustainable Cities and Communities**
- **SDG 12 – Responsible Consumption and Production**
- **SDG 13 – Climate Action**
- **SDG 15 – Life on Land**
- **SDG 17 – Partnerships for the Goals**

Through these integrated programs, Sohag University continues to strengthen its role as a leading institution in sustainable development by combining education, research, innovation, operational excellence, and community partnership to advance climate resilience and support the transition toward a sustainable future.



photo of solar panels on the campus rooftops



image of solar irrigation setup



Stepper motor-based solar tracker with movable structure to maximize PV energy yield



This solar-powered water lifting system includes a water pump with a single-phase electric motor.



<https://gate.ahram.org.eg/News/5594700.aspx>

photo of an awareness workshop



Recycled products



A representative from Sohag University participated



The 4th International Environment Conference

in the third edition of the International Electronic Climate Conference in 2025, on the occasion of World Environment Day.

They attended the opening session of the conference, which was held in the Arab countries and organized by Nile University in cooperation with Engineers for Egypt Foundation.

witnessed the participation of 54 scientific papers from a number of Egyptian, Arab, and international universities. The university also achieved first place among Egyptian universities in community service activities for 2025 and environmental development, an accomplishment that reflects the continuous efforts being made in this area.

Waste Management (WS)

Integrated Waste Management and Circular Economy

Sohag University has established an integrated waste management framework that supports environmental sustainability, public health, resource efficiency, and circular economy principles. The University adopts a comprehensive approach that emphasizes waste prevention, segregation at source, recycling, recovery, safe treatment of hazardous waste, and environmental awareness, ensuring compliance with national environmental regulations and international sustainability standards.

Through coordinated efforts involving the Medical and Industrial Waste Management Unit, university hospitals, faculties, research laboratories, farms, and administrative departments, Sohag University continuously improves waste management practices while reducing environmental impacts and promoting responsible consumption across all campuses.

Waste Segregation and Recycling

The University implements a source-segregation system using dedicated collection containers for paper, plastic, glass, metals, organic waste, and electronic waste. These initiatives improve recycling efficiency, reduce the volume of waste sent to landfills, and encourage environmentally responsible behavior among students, faculty members, and administrative staff.

Collected recyclable materials are transferred through approved recycling channels, contributing to resource conservation and supporting the transition toward a circular economy.

Organic Waste Recovery

Organic waste generated from university farms, landscape maintenance, and agricultural activities is transformed into valuable resources through sustainable recovery programs. These include:

- Compost production.
- Silage manufacturing for agricultural applications.
- Biogas generation from organic residues.

These practices reduce landfill disposal, recover valuable resources, minimize greenhouse gas emissions, and support sustainable agriculture and renewable bioenergy production.

Medical and Hazardous Waste Management

Sohag University operates a specialized Medical and Industrial Waste Management Unit responsible for the safe collection, transportation, treatment, and disposal of hazardous waste generated by university hospitals, research laboratories, workshops, and agricultural facilities.

Medical waste is treated using **Newster 50 shredding and sterilization technology**, ensuring effective decontamination prior to final disposal. Laboratory waste is managed through autoclave sterilization, chemical segregation, and approved disposal procedures in accordance with environmental and public health regulations.

Used lubricating oils generated from university vehicles and equipment are collected separately and transferred to licensed recycling companies for environmentally sound treatment and resource recovery.

Electronic Waste Management

The University promotes responsible management of electronic waste through maintenance, refurbishment, repair, reuse, and recycling programs that extend the operational life of computers, laboratory equipment, and electronic devices while minimizing hazardous waste generation.

Digital Transformation and Paper Reduction

Digital transformation has become an essential component of the University's waste reduction strategy. The implementation of the **Zad Digital Learning Platform**, electronic examinations, electronic administrative systems, digital archiving, and electronic communication has significantly reduced paper consumption while improving institutional efficiency and supporting environmentally responsible campus operations.

Environmental Awareness and Community Engagement

Sohag University recognizes that sustainable waste management depends on active community participation. Therefore, the University regularly organizes:

- Environmental awareness campaigns.
- Waste segregation workshops.
- Plastic reduction initiatives.
- Tree planting campaigns.
- Student-led sustainability projects.
- Recycling competitions.
- Capacity-building programs for students and staff.

These activities foster environmental responsibility, encourage behavioral change, and strengthen the University's sustainability culture.

Contribution to the Circular Economy

Waste management initiatives at Sohag University support the transition toward a circular economy by:

- Reducing waste generation at source.
- Maximizing material recovery and recycling.

- Recovering energy and valuable products from organic waste.
- Extending the life cycle of equipment through refurbishment and reuse.
- Reducing greenhouse gas emissions associated with landfill disposal.
- Supporting sustainable resource management and environmental protection.

Contribution to Sustainable Development Goals

The University's integrated waste management system directly contributes to the achievement of the following United Nations Sustainable Development Goals:

SDG	University Contribution
SDG 3 – Good Health and Well-being	Safe management and treatment of medical, laboratory, and hazardous waste.
SDG 4 – Quality Education	Environmental education, student training, sustainability awareness, and practical learning.
SDG 6 – Clean Water and Sanitation	Pollution prevention through proper wastewater and hazardous waste management.
SDG 8 – Decent Work and Economic Growth	Operation of specialized waste management units, green jobs, and student innovation initiatives.
SDG 9 – Industry, Innovation and Infrastructure	Application of Newster 50 technology, biogas systems, composting, and recycling innovations.
SDG 11 – Sustainable Cities and Communities	Clean campus initiatives and sustainable waste management practices.
SDG 12 – Responsible Consumption and Production	Waste reduction, segregation, recycling, reuse, and circular economy implementation.
SDG 13 – Climate Action	Reduction of landfill waste, methane emissions, and greenhouse gas generation.
SDG 14 – Life Below Water	Plastic pollution prevention and responsible waste disposal.
SDG 15 – Life on Land	Composting, silage production, organic waste recovery, landscape management, and tree planting programs.
SDG 17 – Partnerships for the Goals	Collaboration with governmental agencies, licensed recycling companies, environmental organizations, and community partners.

Impact

Through this integrated waste management framework, Sohag University demonstrates its commitment to sustainable resource management, environmental protection, climate resilience, and circular economy principles. By combining innovative technologies, environmental education, responsible operations, and strategic partnerships, the University continues to reduce its environmental footprint while supporting sustainable development and directly contributing to **11 Sustainable Development Goals**.



Participation in the National Initiative “100 Million Trees”

As part of Egypt’s national initiative “100 Million Trees”, Sohag University actively participates in expanding green spaces across its campuses through continuous tree planting campaigns and landscaping activities. The initiative contributes to increasing vegetation cover, improving air quality, reducing carbon emissions, enhancing biodiversity, and creating a healthier and more sustainable campus environment.

The photograph shows university leadership participating in a tree planting activity on campus, reflecting the university’s commitment to environmental sustainability, climate action, and supporting national efforts to increase green infrastructure and promote ecological awareness among students and staff.



Spreading Sustainability culture by the the president of Sohag University

Green campus projects — tree planting, water-saving systems, and solar energy installations.



Student-led initiatives: encouraging youth participation in environmental clubs and research projects.



Community outreach — collaborations with local schools and municipalities to promote sustainable practices beyond the university



Environmental awareness programs — seminars and workshops educating students on waste reduction, recycling, and energy conservation.

- **Implementation of comprehensive waste segregation systems** across campus, separating organic, inorganic, hazardous, recyclable, and e-waste at the source.



Waste separation
Examples of waste separation containers according to their nature (Sohag University) (Glass only)



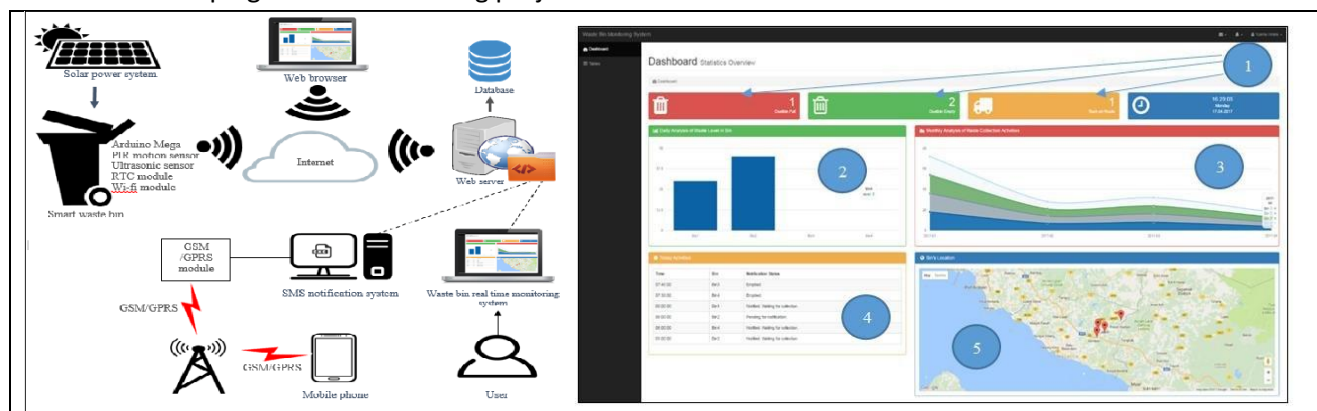
Waste separation
Examples of waste separation containers according to their nature (Sohag University) (Plastic only)



Waste separation
Examples of waste separation containers according to their nature (Sohag University) (Paper only)



- **Operation of composting facilities** to process organic waste into fertilizer used for campus landscaping and urban farming projects.



Smart waste bins with real-time tracking software to monitor waste collection

Vision for Future Smart Campus Waste Management

Smart waste bins equipped with IoT sensors enable real-time monitoring of waste levels and collection activities. The system transmits data to a centralized dashboard, allowing efficient route optimization, reducing operational costs, minimizing carbon emissions, and enhancing sustainable waste management practices.



Example of horticulture and trimming, Sohag University, Sohag, Egypt.



Example of converting organic waste into organic fertilizer (Green flat company), Sohag University, Egypt.



Organization of e-waste collection drives and disposal campaigns to manage electronic waste in accordance with environmental regulations.

Electronic components from computer devices were recycled, refurbished, and reused to extend their functional lifespan and reduce electronic waste.



Campus-wide zero-waste campaigns, encouraging reduction, reuse, and recycling through awareness events, signage, and student-led initiatives.

chaired the judging committee for the final day of the training program titled “Waste Recycling – A Step Toward Sustainable Green Projects. “The committee reviewed a number of innovative projects in the field of recycling and waste management, through which the participants demonstrated an increasing level of environmental awareness and a deep understanding of circular economy concepts and green project development. The projects were evaluated based on criteria such as innovation, feasibility of application, and the anticipated environmental and social impact.



Ban or reduction of single-use plastics in canteens, vending machines, and university events, replacing them with reusable alternatives.

Sohag University organized an educational seminar entitled “Ending Plastic Pollution” in celebration of World Environment Day, in collaboration with the Community Service and Environmental Development Sector and the Center for Sustainable Development. The event featured a seminar addressing the issue of plastic pollution, focusing on the environmental and public health risks associated with the use of single-use plastic products. Participants were encouraged to adopt sustainable practices, such as the use of cloth and paper bags and the recycling of plastic materials. The seminar also highlighted environmentally friendly alternatives that can be integrated into daily life to promote environmental preservation and the sustainable use of natural resources.

- **Digitalization of administrative processes** to reduce paper consumption and promote environmentally-friendly operations.



Recycled paper ready for use in printing, packaging, or the production of eco-friendly paper products.

- **Inclusion of waste management topics in the academic curriculum**, research projects, and student theses focused on lifecycle analysis, waste-to-energy, and sustainable packaging.

- **Installation of smart bins or waste monitoring systems** to track collection volumes and optimize waste handling logistics.

Although these systems have not yet been fully installed, the university has already initiated steps toward their implementation as part of its comprehensive sustainability and smart campus plan. Currently, the university administration is coordinating with relevant departments and external partners to evaluate suitable technologies, determine optimal bin locations, and ensure integration with the university's waste management framework. This initiative is included in the upcoming phase of the university's environmental management strategy, which aims to enhance resource efficiency, promote data-driven waste handling, and reduce the overall environmental footprint on campus.

- **Collaboration with local governments, NGOs, and private sectors** to strengthen regional waste governance and promote circular economy innovation.

3.4. Water Management (WR)

Sustainable Water Resources Management

Sohag University recognizes water as one of the most valuable natural resources and considers its sustainable management a strategic priority for achieving environmental sustainability and climate resilience. The University has established an integrated water management framework that focuses on water conservation, efficient utilization, pollution prevention, infrastructure maintenance, and public awareness, ensuring the long-term availability of clean water for academic, research, healthcare, agricultural, and community activities.

Through continuous investment in water infrastructure, innovative technologies, preventive maintenance, and environmental education, Sohag University promotes responsible water use while supporting national water conservation policies and the United Nations Sustainable Development Goals.

Water Conservation Infrastructure

The University has implemented several infrastructure projects to improve water efficiency and reduce unnecessary water losses. These include:

- Installation of **rainwater harvesting systems** on selected buildings to collect and store rainwater for non-potable applications such as landscape irrigation and toilet flushing.
- **Lining irrigation canals** and protecting groundwater wells to minimize water losses through seepage and evaporation while preserving both surface and groundwater resources.
- Installation of **water-efficient fixtures**, including low-flow faucets, automatic shut-off valves, and motion-sensor taps in academic buildings, laboratories, hospitals, and administrative facilities.
- Construction and maintenance of **elevated water storage tanks**, ensuring reliable water supply, reducing pressure fluctuations, and minimizing leakage from the public water distribution network.

Wastewater Treatment and Water Reuse

Sohag University promotes the reuse of treated wastewater as an essential component of sustainable water management. Treated greywater is reused for irrigating green areas, tree plantations, and landscape projects, reducing dependence on freshwater resources while supporting biodiversity and campus greening initiatives.

These practices contribute to:

- Reducing freshwater consumption.
- Improving irrigation efficiency.
- Supporting sustainable landscape management.
- Enhancing climate resilience through efficient resource utilization.

Water Infrastructure Maintenance

Preventive maintenance is an integral part of the University's water management strategy. Regular inspection and maintenance programs are conducted to ensure the reliability, efficiency, and safety of water infrastructure.

Maintenance activities include:

- Periodic inspection of water distribution networks.
- Early detection and repair of water leaks.
- Routine cleaning and disinfection of groundwater storage tanks.
- Maintenance of pumps, valves, pipelines, and water supply systems.
- Continuous monitoring of water quality and storage conditions.

These measures improve operational efficiency, reduce water losses, and ensure the continuous availability of safe water throughout the campus.

Water Conservation Awareness

Recognizing that sustainable water management requires behavioral change as well as technological solutions, Sohag University regularly organizes awareness campaigns, seminars, workshops, and educational activities to encourage responsible water consumption among students, faculty members, researchers, and administrative staff.

These initiatives promote:

- Efficient water use.
- Prevention of water wastage.
- Protection of water resources.
- Environmental responsibility.
- Student participation in sustainability initiatives.

Innovation for Sustainable Water Management

The University continues to encourage research and innovation related to water conservation, sustainable irrigation technologies, groundwater management, wastewater reuse, and smart environmental monitoring systems. These research activities support both academic excellence and practical solutions for regional and national water challenges.

Climate Resilience and Environmental Protection

Efficient water management contributes directly to strengthening campus resilience against climate change by improving resource efficiency, protecting groundwater resources, reducing environmental pollution, and supporting healthy ecosystems. Water conservation initiatives also complement the University's broader sustainability programs in renewable energy, biodiversity conservation, green infrastructure, and sustainable agriculture.

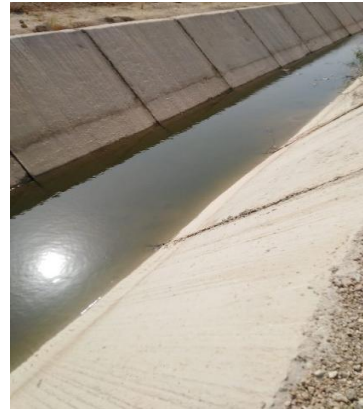
Contribution to Sustainable Development Goals

The University's integrated water management system directly supports the following Sustainable Development Goals:

SDG	University Contribution
SDG 3 – Good Health and Well-being	Providing clean and safe water for students, staff, patients, and visitors while protecting public health.
SDG 4 – Quality Education	Creating healthy learning environments and supporting education and research in sustainable water management.
SDG 6 – Clean Water and Sanitation	Promoting water conservation, wastewater reuse, pollution prevention, and sustainable sanitation infrastructure.
SDG 9 – Industry, Innovation and Infrastructure	Developing innovative water infrastructure, smart irrigation systems, and sustainable water technologies.
SDG 12 – Responsible Consumption and Production	Encouraging efficient water use, resource conservation, and sustainable operational practices.
SDG 13 – Climate Action	Improving water-use efficiency and strengthening resilience to climate-related water challenges.
SDG 14 – Life Below Water	Preventing pollution through proper wastewater treatment and environmentally responsible water management.
SDG 15 – Life on Land	Supporting sustainable irrigation, green landscapes, biodiversity conservation, and ecosystem protection.

Impact

Through these integrated initiatives, Sohag University continues to strengthen sustainable water governance by improving water efficiency, protecting natural water resources, expanding water reuse, enhancing climate resilience, and promoting environmental awareness. The University's water management framework demonstrates its commitment to responsible resource stewardship while supporting education, research, healthcare, sustainable campus operations, and long-term environmental sustainability.



Example of different water management efforts to support sustainability



Water canal before and after lining



Students during the campaign

An Introductory seminar on the types of water conservation methods



In site explanation for the efficiency of motion seneor taps



Suspended drainage at student's laboratories

3.5. Transportation (TR)

Sustainable Transportation and Low-Carbon Mobility

Sohag University is committed to developing a sustainable transportation system that promotes low-carbon mobility, improves accessibility, enhances campus safety, and minimizes the environmental impacts associated with transportation. The University continuously implements policies and infrastructure projects that encourage environmentally friendly mobility while reducing greenhouse gas emissions, traffic congestion, and air pollution.

The University's transportation strategy supports active mobility, shared transportation, digital mobility management, and integration with public transportation systems, contributing to a healthier and more sustainable campus environment.

Pedestrian-Friendly Campus

Creating a walkable campus is a key priority of Sohag University. Safe pedestrian pathways have been developed throughout the university to encourage walking as the primary mode of transportation between academic buildings, administrative facilities, hospitals, and student service areas.

The expansion of pedestrian-friendly infrastructure has contributed to:

- Improving campus accessibility.
- Enhancing pedestrian safety.
- Reducing dependence on private vehicles.
- Encouraging healthy lifestyles.
- Lowering greenhouse gas emissions.

Cycling Infrastructure

The University actively promotes cycling as an environmentally friendly transportation alternative by developing dedicated bicycle lanes and organizing bicycle awareness campaigns and cycling marathons.

These initiatives encourage students, faculty members, and staff to adopt active transportation while supporting healthier lifestyles and reducing the University's carbon footprint.

Campus Transportation Services

To improve mobility between university facilities, Sohag University provides internal transportation services that facilitate movement across campuses while reducing reliance on private vehicles.

The University is also working to expand sustainable transportation through future investment in electric mobility solutions, including the proposed establishment of an **Electric Vehicle (EV) Charging Station** and the gradual introduction of environmentally friendly vehicles into the university fleet.

Integration with Public Transportation

Sohag University works to improve connectivity between the university and surrounding communities through integration with public transportation services and campus shuttle systems. These efforts improve accessibility for students, faculty members, employees, patients, and visitors while reducing individual vehicle use.

Traffic Management and Vehicle Control

The University has implemented transportation policies aimed at reducing congestion and improving campus environmental quality.

These measures include:

- Restricting motorcycle access within campus boundaries.
- Designating pedestrian-priority areas.
- Managing parking facilities.
- Limiting vehicle access in selected zones.
- Encouraging shared transportation whenever possible.

These policies contribute to improved air quality, enhanced pedestrian safety, and reduced traffic congestion.

Smart and Sustainable Mobility

Sohag University continues to explore smart transportation technologies and sustainable mobility solutions that support digital transformation and climate resilience. Current and future initiatives include:

- Smart mobility planning.
- Digital transportation management.
- Expansion of electric vehicle infrastructure.
- Sustainable fleet management.
- Integration of clean transportation technologies.

Environmental and Social Benefits

The University's sustainable transportation initiatives contribute to:

- Lower greenhouse gas emissions.
- Reduced air pollution.
- Improved campus environmental quality.
- Increased physical activity.
- Safer mobility for all campus users.
- Greater accessibility for persons with disabilities.
- Enhanced quality of life within the university community.

Contribution to Sustainable Development Goals

The University's sustainable transportation initiatives directly contribute to the following Sustainable Development Goals:

SDG	University Contribution
SDG 3 – Good Health and Well-being	Reducing air pollution while encouraging active lifestyles through walking and cycling.
SDG 4 – Quality Education	Providing safe, accessible, and reliable transportation that supports equal access to education.
SDG 7 – Affordable and Clean Energy	Promoting cleaner transportation technologies and supporting future electric mobility.
SDG 9 – Industry, Innovation and Infrastructure	Developing sustainable transportation infrastructure and smart mobility systems.
SDG 11 – Sustainable Cities and Communities	Creating an inclusive, safe, and environmentally friendly campus transportation system.
SDG 12 – Responsible Consumption and Production	Encouraging shared mobility, efficient transportation planning, and reduced fuel consumption.
SDG 13 – Climate Action	Lowering carbon emissions through active transportation, vehicle restrictions, and sustainable mobility initiatives.
SDG 17 – Partnerships for the Goals	Collaborating with governmental agencies and external stakeholders to strengthen sustainable transportation planning and implementation.

Impact

Through these integrated transportation initiatives, Sohag University has significantly enhanced campus mobility while reducing its environmental footprint. The University's commitment to pedestrian-friendly infrastructure, cycling promotion, public transportation integration, vehicle management policies, and future clean mobility projects demonstrates a **Significant Impact** on sustainable development by directly supporting **eight Sustainable Development Goals (SDGs 3, 4, 7, 9, 11, 12, 13, and 17)** and advancing the transition toward a low-carbon, accessible, and climate-resilient university campus.



Development of integrated pedestrian pathways and dedicated bicycle lanes across campus to encourage non-motorized transport.



Operation of low-emission campus shuttle buses, including electric or hybrid vehicles, to reduce reliance on personal cars.



Integration with public transportation systems, including campus bus terminals or last-mile shuttle services, to improve accessibility.



Collaboration with government and urban planning stakeholders to align university mobility strategies with broader city transport plans.



Implementation of a vehicle restriction policy, including license plate control or limited parking permits for students and staff.



Designation of car-free zones and limited-access areas to minimize traffic congestion and air pollution within campus.



Example of Pedestrian path (Sohag University, Egypt)



Street lamp for pedestrian



	
Street lamppost for pedestrian in night	design for pedestrian having physical disabilities

3.6. Education and Research (ED)

Advancing Sustainability through Education, Research, Innovation and Community Engagement

Sohag University recognizes that higher education institutions play a fundamental role in achieving sustainable development by generating knowledge, preparing future leaders, fostering innovation, and providing scientific solutions to environmental, social, and economic challenges.

Guided by Egypt Vision 2030 and the United Nations Sustainable Development Goals (SDGs), the University has integrated sustainability into its academic mission through education, scientific research, innovation, capacity building, digital transformation, healthcare, and community engagement. Sustainability is no longer viewed as a standalone concept but as a cross-cutting principle embedded across teaching, research, university operations, and public service.

The University continuously invests in academic excellence, interdisciplinary research, student innovation, and strategic partnerships that contribute directly to sustainable development at the local, national, and international levels.

Sustainability in Education

Sohag University integrates sustainability concepts across undergraduate and postgraduate curricula to equip graduates with the knowledge, skills, and competencies required to address future environmental and societal challenges.

Sustainability-related topics are incorporated into numerous academic disciplines, including:

- Environmental Sciences
- Renewable Energy
- Green Chemistry
- Sustainable Agriculture

- Waste Management
- Water Resources
- Climate Change
- Artificial Intelligence
- Sustainable Engineering
- Public Health
- Environmental Law
- Circular Economy
- Biodiversity Conservation

The University continuously updates its curricula to respond to emerging sustainability priorities while promoting critical thinking, interdisciplinary learning, and innovation.

Scientific Research for Sustainable Development

Scientific research represents one of the University's strongest contributions toward sustainability.

Research activities focus on developing innovative solutions for national and global sustainability challenges through multidisciplinary collaboration among faculties and research centers.

Major research themes include:

- Renewable Energy Technologies
- Green Hydrogen
- Solar Energy
- Green Chemistry
- Waste Recycling
- Circular Economy
- Bioethanol Production from Agricultural Residues
- Biomaterials
- Environmental Pollution Control
- Water Treatment
- Sustainable Agriculture
- Climate Change Adaptation
- Medical and Pharmaceutical Research
- Artificial Intelligence Applications
- Sustainable Industrial Technologies

The University encourages publication in internationally indexed journals and supports researchers through research funding, capacity-building programs, scientific conferences, and international collaborations.

Innovation and Student Projects

Innovation is a cornerstone of the University's sustainability strategy.

Students actively participate in:

- Graduation projects
- Scientific competitions
- Innovation exhibitions
- Recycling projects
- Renewable energy prototypes
- Environmental campaigns
- Entrepreneurship initiatives
- Green technology development

Outstanding student projects include:

- Bioethanol production from potato, sweet potato, and sugar industry residues.
- Smart irrigation systems.
- Solar-powered drying systems.
- Solar tracking technologies.
- Waste recycling initiatives.
- AI applications for sustainable development.

Capacity Building

The University provides continuous capacity-building opportunities through:

- Professional training programs.
- Sustainability workshops.
- Climate awareness campaigns.
- GreenMetric training.
- Digital transformation courses.
- Leadership development.
- Entrepreneurship programs.
- Research methodology workshops.

Faculty members, researchers, students, and administrative staff all participate in these programs.

Digital Education

Digital transformation supports sustainable education through:

- Zad Digital Learning Platform.
- Electronic examinations.
- Learning Management Systems.
- Digital libraries.
- Hybrid learning.

- Paperless administration.
- Online scientific seminars.
- Digital academic services.

These initiatives reduce paper consumption while improving educational accessibility and institutional efficiency.

Conferences and Scientific Events

Sohag University regularly organizes:

- International conferences.
- Environmental conferences.
- Scientific workshops.
- Sustainability seminars.
- Student competitions.
- Innovation exhibitions.
- Community awareness events.

These activities strengthen collaboration between academia, industry, government, and civil society.

Community Engagement

Knowledge generated by the University is transferred directly to society through:

- Environmental awareness campaigns.
 - Medical convoys.
 - School outreach programs.
 - Farmer training.
 - Sustainability workshops.
 - Climate awareness initiatives.
 - Volunteer activities.
 - National environmental events.
-

Research Supporting the SDGs

The University's research portfolio contributes directly to:

- Clean Energy
- Climate Action
- Circular Economy
- Food Security
- Water Security

- Public Health
- Sustainable Cities
- Green Industry
- Biodiversity Conservation
- Digital Transformation

Contribution to Sustainable Development Goals

SDG	University Contribution
SDG 3	Medical research and university hospitals
SDG 4	Quality education and lifelong learning
SDG 5	Women empowerment and equal opportunities
SDG 6	Water research and sustainable water management
SDG 7	Renewable energy and solar technologies
SDG 8	Innovation, entrepreneurship, and green jobs
SDG 9	Research infrastructure and technological innovation
SDG 10	Inclusive education and community outreach
SDG 11	Sustainable communities and environmental planning
SDG 12	Circular economy and waste management
SDG 13	Climate change mitigation and adaptation
SDG 15	Biodiversity conservation and sustainable agriculture
SDG 16	Good governance and ethical research
SDG 17	National and international partnerships

Impact

Through its integrated approach to education, research, innovation, and community engagement, Sohag University has established sustainability as a fundamental pillar of its academic mission. The University continues to produce high-quality graduates, impactful scientific research, innovative technologies, and community-based solutions that directly support sustainable development and contribute to **14 Sustainable Development Goals**.

GREEN SHIFT EVENT SPEAKERS



PROF. DR. HASSAN EL-NEMANY
PRESIDENT OF SOHAG
NATIONAL UNIVERSITY



PROF. DR. ASHRAF OKASHA
ENTREPRENEURSHIP
CONSULTANT



ZAINAB HESHAM
FOUNDER & BUSINESS
DEVELOPER AT REWALL



DR. AHMED MOHRAN
L&D SENIOR SPECIALIST
LEARNING EXPERIENCE
DESIGNER (LXD)

PARTNERSHIP ANNOUNCEMENT



A Collaboration framework between Masaar incubator of Sohag University and Empower Hub



Sohag University delivers Contracts to Host Five Startup projects and provides financial support of 300,000 Pounds for Each Project



The Masar Incubator in Sohag Companies, in cooperation with Enroot Development Company, has succeeded over the past three years in graduating 34 startups that represented an added value to the national economy, such as: the creation of a smart talking calculator for the blind, a company that produces smart sports shoes, and 9 companies in the field of clothing, textiles, and handicrafts, home delivery services, assets in the field of training, foundations in the field of advertising, and an e-commerce platform.



University students' exhibition of agricultural products at the Faculty of Agriculture, Sohag University



Sohag University Faculty of Agriculture students display agricultural products.



Food Products Exhibition in cooperation with food companies..College of Agriculture outlet for displaying food and agricultural products



An emerging partnership between the Faculty of Agriculture and farmers (peasants) through the offering of 42 tons of high-quality wheat and onion seeds for sale at the faculty's outlets.



Partnership between Sohag University and the Wavemaker Foundation in the Netherlands on water, food, energy, and climate technology



A partnership between Sohag University and the Water and Wastewater Company in the field of awareness and conducting scientific research in the field of water purification.



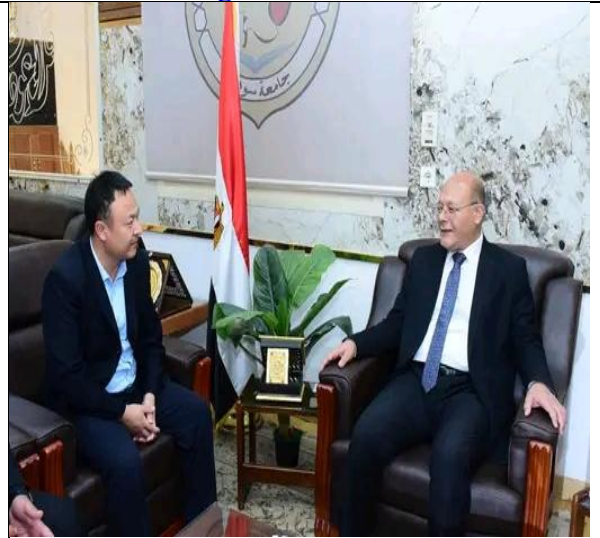
A partnership between Sohag University and Henjamla Foundation to implement the first permanent university nursery on an area of 20 acres within the university.



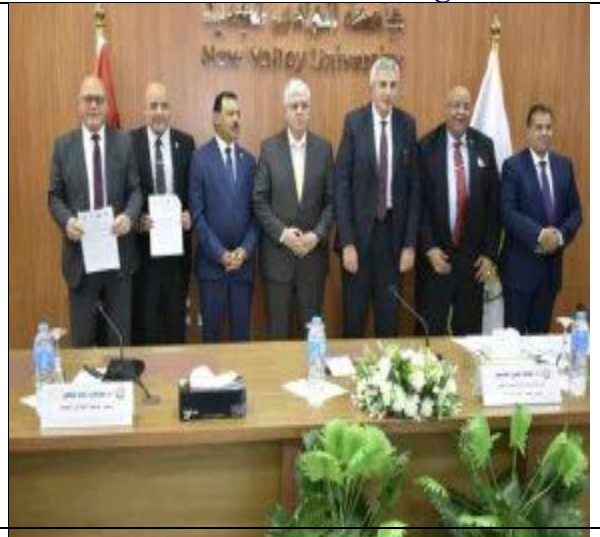
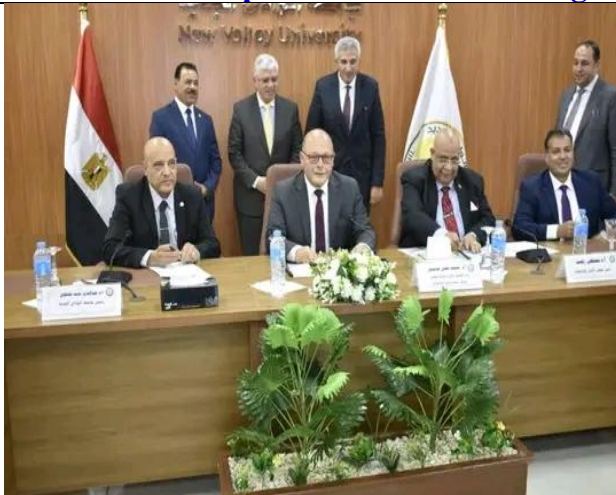
A partnership between Sohag University and the General Authority for Adult Education. Sohag University launches the "Sohag Family Free of Illiteracy" initiative.



A partnership between Sohag University and the Directorate of Health and Population to support the health sector in Sohag Governorate.



A partnership between Sohag University and the Chinese company New Hope, which specializes in modern agriculture and feed manufacturing.



A partnership between Sohag University and the Bologna Project for faculties of .education at universities in Upper Egypt



A partnership between Sohag University and the Libyan University of Zawiya for cultural and student exchange.

3.7. Governance and Digitalization (GD)

Institutional Governance, Digital Transformation and Sustainable Leadership

Sohag University recognizes that effective governance and digital transformation are fundamental pillars for achieving institutional sustainability and organizational excellence. The University has established an integrated governance framework that combines strategic leadership, transparent management, digital innovation, financial accountability, ethical conduct, and stakeholder engagement to ensure that sustainability is embedded across all academic, administrative, research, healthcare, and community activities.

Sustainability is institutionalized through the Sustainable Development Center, operating under the Vice President for Community Service and Environmental Development, in collaboration with the GreenMetric Working Team, faculty sustainability coordinators, university leadership, and specialized administrative units. This governance structure enables effective planning, implementation, monitoring, and continuous improvement of sustainability initiatives across all university sectors.

The University adopts a strategic approach supported by annual operational plans, measurable Key Performance Indicators (KPIs), institutional performance monitoring, and evidence-based decision-making. Sustainability objectives are fully aligned with Egypt Vision 2030, the United Nations Sustainable Development Goals (SDGs), and international higher education sustainability frameworks.

Transparency and accountability are strengthened through the preparation and publication of institutional sustainability reports, financial reports, strategic plans, official sustainability websites, and regular communication with internal and external stakeholders. These practices promote institutional trust, responsible resource management, and continuous performance improvement.

Digital transformation has become an essential component of institutional governance. Sohag University has implemented advanced digital systems that support administrative efficiency, academic excellence, and sustainable campus management. These include electronic learning platforms, digital administrative services, electronic examinations, integrated management information systems, digital documentation, and smart monitoring tools. The University is also expanding the use of Artificial Intelligence (AI), Internet of Things (IoT), and digital analytics to enhance institutional decision-making, operational efficiency, and service delivery.

The University maintains comprehensive institutional policies covering sustainability, digital transformation, artificial intelligence, data protection, occupational health and safety, environmental management, anti-corruption, integrity, complaint management, and ethical conduct. These policies establish a transparent governance environment that promotes accountability, fairness, equal opportunity, responsible leadership, and continuous institutional development.

Gender equality and inclusive leadership remain important institutional priorities. Women actively participate in university governance through leadership positions at university, faculty, departmental, and administrative levels, contributing significantly to institutional decision-making and sustainable development.

The University also promotes integrity and ethical behavior through an institutional Code of Ethics applicable to university leaders, academic staff, administrative employees, and students. Complementary mechanisms—including whistleblowing procedures, complaint systems, anti-corruption measures, and institutional oversight—ensure transparency, accountability, and compliance with national regulations and international best practices.

Continuous professional development is supported through digital literacy programs, leadership training, sustainability capacity-building workshops, and technology-oriented learning initiatives that strengthen the digital competencies of students, faculty members, and administrative staff.

Through this integrated governance and digitalization framework, Sohag University continues to strengthen institutional resilience, improve operational effectiveness, foster innovation, and ensure that sustainability remains a core principle guiding strategic planning, decision-making, academic excellence, and community engagement.

Contribution to Sustainable Development Goals

The University's governance and digital transformation framework directly contributes to the following Sustainable Development Goals:

SDG	University Contribution
SDG 4 – Quality Education	Strengthening institutional quality, digital learning, governance, and lifelong learning.
SDG 5 – Gender Equality	Promoting women's participation in leadership and institutional

SDG	University Contribution
	decision-making.
SDG 8 – Decent Work and Economic Growth	Developing institutional capacity, leadership, and professional development.
SDG 9 – Industry, Innovation and Infrastructure	Advancing digital transformation, smart administration, AI, and institutional innovation.
SDG 10 – Reduced Inequalities	Ensuring inclusive governance and equal opportunities across all university sectors.
SDG 12 – Responsible Consumption and Production	Supporting digitalization, paperless administration, and efficient resource management.
SDG 13 – Climate Action	Integrating sustainability into institutional planning and governance.
SDG 16 – Peace, Justice and Strong Institutions	Promoting transparency, accountability, ethics, anti-corruption, complaint mechanisms, and effective institutional governance.
SDG 17 – Partnerships for the Goals	Strengthening collaboration with governmental institutions, international organizations, industry, and civil society.

Impact

Through integrated governance, transparent institutional management, and comprehensive digital transformation, Sohag University has established a governance model that supports sustainable development, strengthens institutional accountability, enhances operational efficiency, and promotes innovation across all university functions. This integrated framework provides the institutional foundation for achieving long-term sustainability while directly supporting multiple Sustainable Development Goals through responsible leadership, digital excellence, and continuous improvement.



Code of Professional Conduct and Disciplinary Regulations Ensuring Ethical Behavior, Confidentiality, and Responsible Information Management.

CHAPTER .4

Future Roadmap (2027–2030)

Towards a Smart, Green, Resilient and Globally Competitive University

Building upon its achievements in sustainability, Sohag University is committed to advancing a new phase of institutional transformation during the period **2027–2030**. The University's future roadmap reflects a long-term vision to become one of the leading sustainable universities in Egypt, the Middle East, and internationally through innovation, digital transformation, environmental stewardship, research excellence, and community engagement.

The roadmap aligns with **Egypt Vision 2030**, the **United Nations Sustainable Development Goals (SDGs)**, and the **UI GreenMetric World University Rankings** framework, ensuring continuous improvement across all sustainability dimensions while enhancing institutional competitiveness and resilience.

4.1. Strategic Priorities

During 2027–2030, Sohag University will focus on six strategic priorities:

- Strengthening institutional sustainability governance.
 - Expanding green campus infrastructure.
 - Accelerating renewable energy deployment.
 - Promoting climate resilience and carbon reduction.
 - Advancing digital transformation and smart campus technologies.
 - Enhancing sustainability education, research, innovation, and community engagement.
-

4.2. Sustainability Targets

The University aims to achieve measurable sustainability outcomes through:

- Continuous improvement in UI GreenMetric World University Rankings.
 - Expansion of sustainability-related academic programs.
 - Increasing sustainability research publications.
 - Strengthening interdisciplinary research addressing SDGs.
 - Expanding community sustainability initiatives.
 - Increasing student participation in sustainability projects.
 - Enhancing institutional sustainability awareness across all university sectors.
-

4.3. Green Campus Expansion

The University plans to further develop its campus into a model of environmental sustainability by:

- Increasing green open spaces and biodiversity.
 - Expanding tree planting programs.
 - Developing climate-resilient landscapes.
 - Constructing additional environmentally friendly buildings.
 - Improving accessibility for persons with disabilities.
 - Expanding pedestrian pathways and bicycle infrastructure.
 - Implementing additional smart irrigation systems.
 - Enhancing sustainable water management infrastructure.
-

4.4. Renewable Energy Targets

To reduce dependence on conventional energy sources, Sohag University aims to:

- Expand photovoltaic (PV) systems across university facilities.
 - Increase the percentage of electricity generated from renewable sources.
 - Install additional solar-powered irrigation and water pumping systems.
 - Develop smart energy management systems.
 - Improve energy efficiency in all university buildings.
 - Promote renewable energy research and technology transfer.
 - Encourage student innovation in clean energy technologies.
-

4.5. Carbon Neutrality Vision

The University is committed to progressively reducing greenhouse gas emissions through:

- Continuous monitoring of the institutional carbon footprint.
- Increasing renewable energy utilization.
- Expanding sustainable transportation.
- Increasing green campus vegetation.
- Improving waste reduction and recycling rates.
- Expanding organic waste recovery and bioenergy production.
- Improving energy efficiency across all university facilities.
- Supporting climate adaptation and resilience initiatives.

These actions represent the University's long-term pathway toward achieving carbon neutrality.

4.6. Digital Transformation

Digital innovation will continue to serve as a key driver of sustainable development by:

- Expanding paperless administrative systems.
 - Developing Smart Campus technologies.
 - Increasing Artificial Intelligence applications.
 - Expanding Internet of Things (IoT) solutions.
 - Strengthening cybersecurity and data protection.
 - Enhancing digital learning platforms.
 - Improving digital governance and decision support systems.
 - Expanding digital services for students, staff, researchers, and external stakeholders.
-

4.7. Research, Innovation and Partnerships

The University will continue to strengthen its research ecosystem through:

- Increasing international research collaboration.
 - Expanding green technology research.
 - Supporting circular economy innovations.
 - Developing sustainable agriculture technologies.
 - Advancing renewable energy research.
 - Expanding biotechnology and bioeconomy projects.
 - Encouraging student innovation and entrepreneurship.
 - Building strategic partnerships with government, industry, and international organizations.
-

4.8. Continuous Improvement

Sustainability at Sohag University is viewed as a process of continuous improvement rather than a fixed destination.

The University will continue to:

- Monitor institutional sustainability performance annually.
 - Update sustainability policies and action plans.
 - Strengthen governance and accountability.
 - Benchmark performance against international best practices.
 - Increase stakeholder engagement.
 - Expand sustainability reporting.
 - Promote innovation-driven decision-making.
 - Foster a culture of sustainability across the entire university community.
-

Vision for 2030

By 2030, Sohag University aspires to be recognized as a nationally and internationally leading sustainable university that integrates environmental stewardship, social responsibility, economic resilience, digital innovation, academic excellence, and responsible governance into every aspect of university life, creating lasting value for society and future generations.

Prepared with Best Compliments

Dr. Asmaa M. Kadry

Director, Sustainable Development Center
Faculty of Science, Sohag University

On behalf of the Sustainable Development Center, the GreenMetric Working Team, and all
Faculty Sustainability Coordinators

Sohag University
June 2026