

NEWGIZA UNIVERSITY



Pleasure
of
Learning

SDG Report 2024



Dear Members of the University Community, and Our Valued Partners,

It is my great privilege to introduce this year's Sustainability Report, a testament to our collective and ongoing commitment to environmental stewardship and social responsibility. This year we will be celebrating the 10th anniversary of the establishment of NewGiza University. Since its establishment, our university community has made significant strides, from implementing energy-saving initiatives on campus to advancing cutting-edge research that addresses critical national and global challenges. As an institution of higher learning, we have a profound responsibility not only to reduce our own environmental footprint but also to educate and empower the next generation of leaders who will drive positive change in their communities and around the world. This report details our progress toward our sustainability goals, many of which are aligned with the UN's Sustainable Development Goals and serves as a vital tool for transparency and continuous improvement.

Sustainability is woven into the very fabric of our institution. It informs our research and teaching, governs our campus operations, and strengthens our engagement with the local and global communities we serve. This past year, we have made significant strides, thanks to the collective vision and dedication of our remarkable students, faculty, and staff.

Our work, however, is not yet complete. The insights and data in this report serve as a testament to our achievements and, just as importantly, a roadmap for the work that lies ahead. The journey toward a sustainable future requires continuous innovation, collaboration, and a willingness to challenge the status quo. It is an ongoing collective endeavor that requires the participation of everyone.

I want to extend my deepest gratitude to all who have contributed to these efforts. Your passion and commitment are the driving force behind our progress. I am confident that by continuing to work together, our university will not only educate the next generation of leaders but also provide the innovative solutions needed to build a brighter, more sustainable world.



**Prof. Lamis Ragab,
University Vice President**

Newgiza University's (NGU) Commitment to the United Nations Sustainable Development Goals (SDGs)

Newgiza University (NGU) is deeply committed to advancing the United Nations Sustainable Development Goals (SDGs) through an integrated approach that combines education, research, community engagement, and sustainable campus operations. Guided by its mission to deliver excellence in learning and innovation, NGU strives to cultivate responsible global citizens equipped to drive positive change and contribute meaningfully to a more sustainable and inclusive future.

As a modern academic institution, NGU recognizes the transformative power of higher education in shaping societies and addressing global challenges. The university embeds sustainability principles within its academic curricula, research priorities, and institutional policies, ensuring that every discipline contributes to the collective pursuit of social, economic, and environmental well-being. Students are encouraged to think critically, act ethically, and engage creatively with real-world issues, developing solutions that serve both local and global communities.

Beyond the classroom, NGU actively implements environmentally responsible practices across its campus, ranging from energy-efficient infrastructure and water conservation measures to waste reduction and green landscaping. These initiatives reflect the university's holistic vision of sustainability, extending from knowledge creation to everyday operational excellence.

Collaboration stands at the heart of NGU's commitment. The university fosters partnerships with local and international organizations, governmental bodies, and industry leaders to amplify its impact and exchange expertise. Through such collaborations, NGU supports innovation, inclusivity, and lifelong learning as essential pillars of sustainable progress.

By embedding the SDGs into its institutional identity, New Giza University reaffirms its pledge to educate, inspire, and empower future generations. NGU continues to serve as a model of sustainable higher education in Egypt and the region. Bridging knowledge with action to create lasting value for people and the planet.

NGU's Commitment to the SDGs through Research

NGU demonstrates its strong commitment to the SDGs through a dynamic and impactful research culture that spans across all its faculties. The university actively encourages interdisciplinary collaboration and innovation-driven inquiry to address global and local challenges. Each school within NGU; Medicine, Pharmacy, Dentistry, Engineering, Business and Finance, Economics and Politics, Information Technology, and Arts and Design, contributes meaningfully to advancing sustainable development through research that promotes human health, social equity, environmental stewardship, and economic growth.

NGU dedication to reducing hunger and improving dietary health outcomes has been demonstrated by **1 publication** addressing food security and nutritional sustainability supporting **SDG 1 (Zero Hunger)**. In alignment with **SDG 2 (No Poverty)**, NGU researchers contributed **4 publications** focusing on socioeconomic development and poverty alleviation.

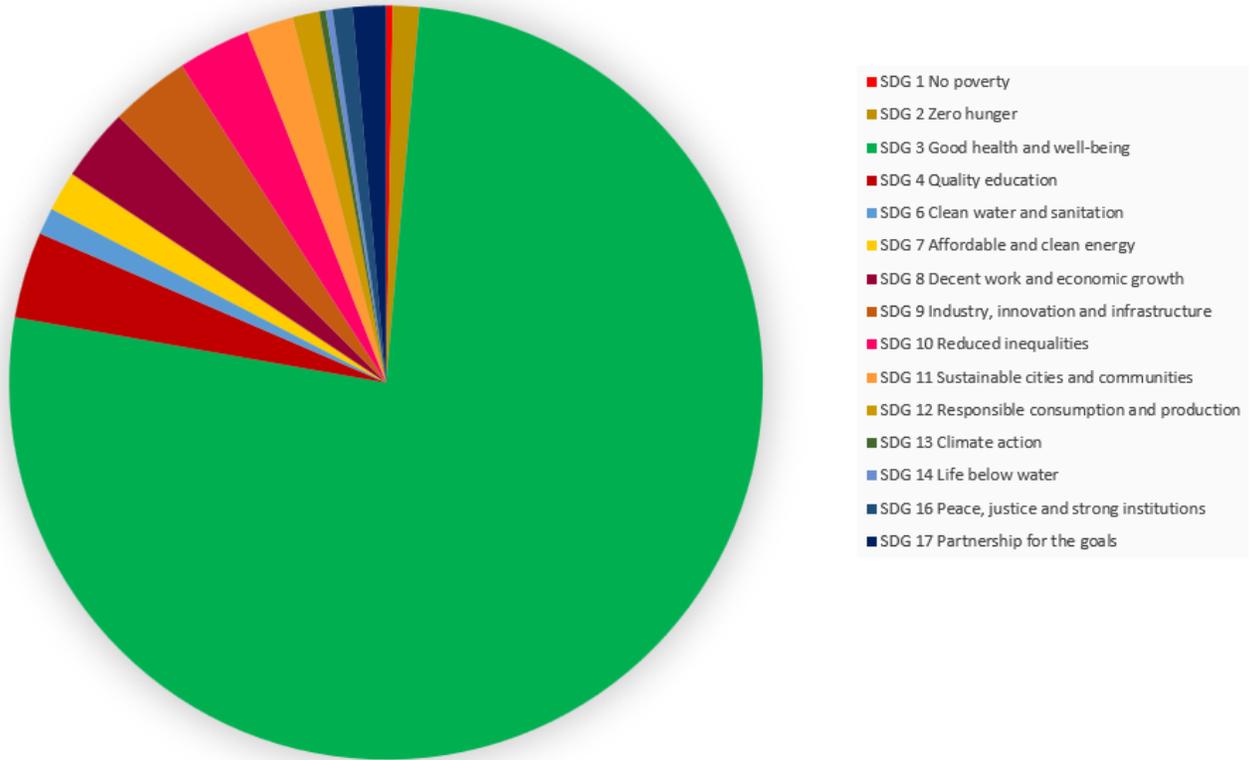
Health and well-being form the cornerstone of NGU's research portfolio, with **268 publications** supporting **SDG 3 (Good Health and Well-being)**. These studies explore diverse topics such as disease prevention, advanced therapeutics, mental health, and health system improvement, reflecting the collective expertise of the medical and pharmaceutical faculties. This strong focus underscores NGU's mission to improve lives through science and innovation.

In parallel, NGU's contributions to **SDG 4 (Quality Education)** and **SDG 8 (Decent Work and Economic Growth)**—with **13** and **11** research papers respectively—highlight the university's dedication to advancing educational excellence, fostering entrepreneurship, and enhancing employability through knowledge creation and academic innovation.

NGU also demonstrates environmental responsibility through impactful studies addressing **SDG 6 (Clean Water and Sanitation)**, **SDG 7 (Affordable and Clean Energy)**, and **SDG 11 (Sustainable Cities and Communities)**, with a combined **17 publications** focused on sustainable resource management, energy efficiency, and green infrastructure. **12 Research** in **SDG 9 (Industry, Innovation, and Infrastructure)** further emphasizes NGU's contribution to technological progress and resilient design.

Moreover, the university's engagement in **25 publications** through various goals including **SDG 10 (Reduced Inequalities)**, **SDG 12 (Responsible Consumption and Production)**, **SDG 13 (Climate Action)**, **SDG 14 (Life Below Water)**, **SDG 16 (Peace, justice and strong institutions)** and **SDG 17 (Partnerships for the Goals)** reflects its commitment to inclusivity, sustainability, and global collaboration.

NGU Scholarly Output



Team Members

This report stands as a testament to the productive collaboration among the members of the Ranking Committees across NGU Schools. Appreciation goes for their dedication and perseverance in gathering, compiling and presenting the data contained within this report.

Prof. Dr. Manal Maher Dean of the School of Pharmacy (SOP)
Prof. Dr. Lamia Mohsen Dean of the School of Medicine (SOM)
Prof. Dr. Randa Elsalawy Dean of the School of Dentistry (SOD)
Prof. Dr. Khaled Abdelaziz Hegazy Dean of the School of Business and Finance (SOBF)
Prof. Dr. Hala Sakr Dean of the School of Economics and Politics (SOEP)
Prof. Dr. Neamat El Gayar Dean of the School of Information Technology (SOIT)
Prof. Dr. Aly Gabr Dean of the School of Engineering (SOE)
Prof. Dr. Abeer Hassan Abdo Moustafa Dean of the School of Arts and Design (SOAD)
Prof. Dr. Dina N.K. Boulos Professor and Head of Public Health Department SOM Vice Dean of Community Service and Environmental Development Affairs
Prof. Dr. Ayman Khalifa SOIT Vice Dean for Community Service and External Relations
Prof. Dr. Rabab Hamed Professor of Clinical Pharmacy Ranking Office Director SOP International Office Director
Assoc. Prof. Reham Essam Associate Professor of Pharmacology and Toxicology SOP International Office Assistant Director
Prof. Dr. Dina Al-Zifzaf

Professor of Physical medicine, Rheumatology and Rehabilitation, QAU Consultant
Prof. Dr. Maha Taymour Professor of Fixed Prosthodontics
Prof. Dr. Sherif Elkhodary Professor of Endodontics
Dr. Marina Boules Bassily Lecturer of Oral and Maxillofacial Radiology Division
Dr. Hla Salah El-Din Assistant Professor of Humanities
Dr. Lamia El Ayouby Assistant Professor of Entrepreneurship
Dr. Amira Yasser Ragab Lecturer of Economics
Assoc. Prof. Haitham Samir Associate Professor of Architectural Engineering
Dr. Heba Mourad Assistant Professor of Architectural Engineering
Dr. Heba Nabil Assistant Professor of Architectural Engineering
Prof. Dr. Hazem Abdelfattah Professor of Garment Manufacturing Technology
Rodayna Atef Assistant Lecturer of Pharmaceutics and Industrial Pharmacy
Yara Zaky Teaching Assistant of Pharmaceutical Chemistry
Naglaa Hussein Assistant Lecturer of Public Health
Mayar Gaber Teaching assistant of Public Health
Mehraiel Hesham Teaching assistant of Public Health
Sama Mamdouh Teaching Assistant of Economics



SDG 1: No Poverty

Overview

NGU is committed to supporting **SDG 1: No Poverty**, which aims to end poverty in all its forms everywhere. NGU recognizes that access to quality education is a powerful tool for breaking the cycle of poverty. Through a range of scholarship programs, financial support mechanisms, community engagement, and inclusive policies, NGU ensures that talented students from diverse socioeconomic backgrounds can pursue higher education without financial barriers while also actively contributing to social welfare initiatives that uplift vulnerable communities.

Key Initiatives

1. Scholarship Programs

Merit-Based and Need-Based Scholarships

NGU offers a variety of scholarships across its academic schools, including:

- School of Medicine (SOM)
- School of Dentistry (SOD)
- School of Pharmacy (SOP)
- School of Business and Finance (SOBF)
- School of Information Technology (SOIT)
- School of Engineering (SOE)
- School of Economics and Politics (SOEP)
- School of Fine Arts & Design (SOAD)

In academic year 2023-2024, NGU offered **43** scholarships across its different schools to support academically outstanding students and those with financial need, ensuring equitable access to education.

Sports Excellence Scholarships

- In academic year 2023-2024, NGU provided **29** scholarships for students who demonstrated exceptional athletic achievements.
- These scholarships promote holistic development and recognize the value of sports in personal and academic growth.

Sibling Discount Program

- NGU offers a tuition discount for families with two or more siblings enrolled at the university. These discounts covered **139** students throughout the different schools in academic year 2023-2024. This initiative reduces the financial burden on families and encourages continued education for all children.

2. Institutional and Community Commitment to Equity

- NGU's admissions and financial aid policies are designed to promote inclusion and reduce economic disparities.
- The university ensures transparent and fair evaluation of scholarship applications.
- NGU actively seeks to expand its financial aid offerings to reach more students in need.
- Students from the School of Business and Finance have extended NGU's social impact beyond campus by supporting مؤسسة معًا لإنقاذ إنسان (Together to Save a Human Institution). Through this initiative, students collected 4500LE donations and volunteered to serve residents, helping to secure a decent life for homeless individuals and the elderly.

SDG Alignment & Impact

SDG 1: No Poverty

- NGU's scholarship programs and community initiatives directly address financial and social barriers to education and well-being.
- By supporting students from low-income backgrounds and engaging in poverty-alleviation activities, NGU contributes to long-term poverty reduction through education and empowerment.

SDG 4: Quality Education

- Financial support ensures that all students, regardless of economic status, have access to high-quality learning experiences.

SDG 10: Reduced Inequalities

- NGU's inclusive financial aid policies and community service projects help reduce educational and social inequalities while promoting equity and social mobility.

Future Directions

- **Expand Scholarship Offerings:** Introduce new categories for community service, leadership, and innovation
- **Strengthen Outreach:** Partner with schools and NGOs to identify and support talented students from underserved communities
- **Monitor Impact:** Track the academic performance and career outcomes of scholarship recipients to assess long-term impact
- **Encourage Student-Led Social Initiatives:** Empower more students to engage in community-based projects that support poverty alleviation and sustainable livelihoods



SDG 2: Zero Hunger

Overview

In alignment with **SDG 2: Zero Hunger**, NGU has actively engaged in initiatives aimed at supporting food security and alleviating hunger among vulnerable community members. These efforts reflect the university's ongoing commitment to **social responsibility, equity, and inclusive support systems**, empowering students to take the lead in meaningful community service projects.

Key Initiatives

1. Ramadan Donation Campaign – School of Pharmacy (SOP) & School of Dentistry (SOD)

Program Description

For the third consecutive year, students from the **School of Pharmacy (SOP)** have organized and participated in a **Ramadan Donation Campaign**, focusing on providing essential food and household supplies to under-supported members of the university community, including:

- Housekeeping staff
- Security personnel
- Facilities management teams

Additionally, the **School of Dentistry (SOD)** collaborated with the **Egyptian Food Bank** to extend the reach of this initiative and enhance its social impact.

Impact Summary

- **Number of Boxes Packed:** 50 per year
- **Contents:** Each box included a curated selection of Ramadan goods, covering basic food staples and household necessities.
- **Beneficiaries:** Approximately 50 individuals from the university's operational workforce.
- **Duration:** Annual campaign held during the month of Ramadan.
- **Student Involvement:** SOP students led the planning, fundraising, packing, and distribution processes.

Sustainability & Continuity

- The campaign has been successfully implemented for three consecutive years, demonstrating a **sustainable model of student engagement and social impact**.
- The initiative fosters a **culture of empathy, volunteerism, and community support** within the academic environment.
- Plans are underway to expand the campaign's reach and include more beneficiaries in future cycles.



2. “B Kherak” CSR Campaign – School of Business and Finance (SOBF)

Students from the School of Business and Finance launched the student-led “B Kherak” Corporate Social Responsibility (CSR) campaign, which made a significant contribution to Ramadan relief efforts.

Impact Summary

- **Funds Raised:** Approximately **500,000 EGP**
- **Donations Distributed:** Around **2,000 boxes** of essential food items and **2,000 ready meals** were packaged and distributed to less fortunate families.
- **Community Reach:** Extended beyond the university, reaching underprivileged communities across several districts.
- **Student Leadership:** Business students managed the full process — from fundraising and procurement to packaging and field distribution — showcasing their leadership, organizational, and humanitarian skills.

This initiative exemplifies the role of business education in fostering **ethical entrepreneurship and civic responsibility**, aligning financial knowledge with social good.



SDG Alignment & Impact

SDG 2: Zero Hunger

- NGU advances SDG 2 by promoting food security through sustainable, student-led initiatives such as the **Ramadan Donation Campaigns** and the “**B Kherak**” CSR Campaign.
- These efforts provide essential food supplies to underprivileged groups and university support staff, while fostering empathy, volunteerism, and civic engagement among students.

SDG 1: No Poverty

- By supporting food access for low-income communities, NGU contributes to poverty reduction and improved living standards for vulnerable populations.
- Student-driven campaigns empower communities and promote equitable social development.

SDG 3: Good Health and Well-being

- Through its nutrition-focused initiatives, NGU enhances physical and mental well-being, reducing hunger-related health risks and promoting a culture of care and support.

SDG 4: Quality Education

- Community engagement projects provide experiential learning that builds leadership, teamwork, and ethical awareness, integrating education with social responsibility.

SDG 10: Reduced Inequalities

- NGU’s inclusive initiatives address disparities by ensuring equitable access to food and resources for all members of the community, strengthening social cohesion.

SDG 17: Partnerships for the Goals

- Collaborations with national partners and local organizations highlight NGU’s commitment to collective action and sustainable community impact.

Future Directions

- **Scaling Up:** Increase the number of food boxes and meals distributed annually, extending outreach to external communities.
- **Partnerships:** Strengthen collaborations with local NGOs, food suppliers, and social enterprises to enhance the quality and reach of donations.
- **Monitoring & Evaluation:** Introduce structured feedback mechanisms to assess community impact and improve future campaigns.
- **Student Empowerment:** Encourage cross-school collaboration, enabling more students from various disciplines to engage in hunger-relief and food security initiatives.



SDG 3: Good Health and Well-being

Overview

NGU is committed to promoting **SDG 3: Good Health and Well-being**, which aims to ensure healthy lives and promote well-being for all at all ages. NGU adopts a **holistic approach** that integrates physical, mental, and social aspects of care. Through medical education, research, community outreach, and student-led initiatives, NGU fosters a culture of **self-care, resilience, and social responsibility**, extending health benefits beyond campus to the wider society. NGU is committed to fostering a healthy campus environment by promoting **green spaces** and encouraging **physical activity** among students and staff.

Key initiatives

1. School of Pharmacy (SOP)

1.1. Health Check Camps for Housekeeping & Security

- **Frequency:** Twice per academic year
- **Location:** Building C Dispensary
- **Participants:** 3rd, 4th, and 5th year SOP students

Services Provided

1. **Vital Sign Screening** – Blood pressure and blood glucose measurements for housekeeping and security staff to identify those at risk of hypertension or diabetes.
2. **Medication Counseling** – Personalized advice on medication use, dosage, timing, side effects, and lifestyle modifications.
3. **Prescription Dispensing** – Dispensing prescribed medications and ensuring proper patient understanding.
4. **Health Education** – Guidance on chronic disease prevention, importance of regular check-ups, and healthy living habits.



1.2. Medical Convoys – Upper Egypt

- **Frequency:** Three convoys annually for four consecutive years
- **Location:** Wasta Village, Beni Suef
- **Activities:**
 - Patient Counseling Sessions: Focused on managing diabetes and hypertension.
 - Prescription Review and Dispensing: Ensured safe and correct medication use.
 - Medication Counseling: Addressed dosage, timing, side effects, and interactions.
 - Health Education: Promoted chronic disease awareness and preventive care.



1.3. Hospice Egypt Collaboration

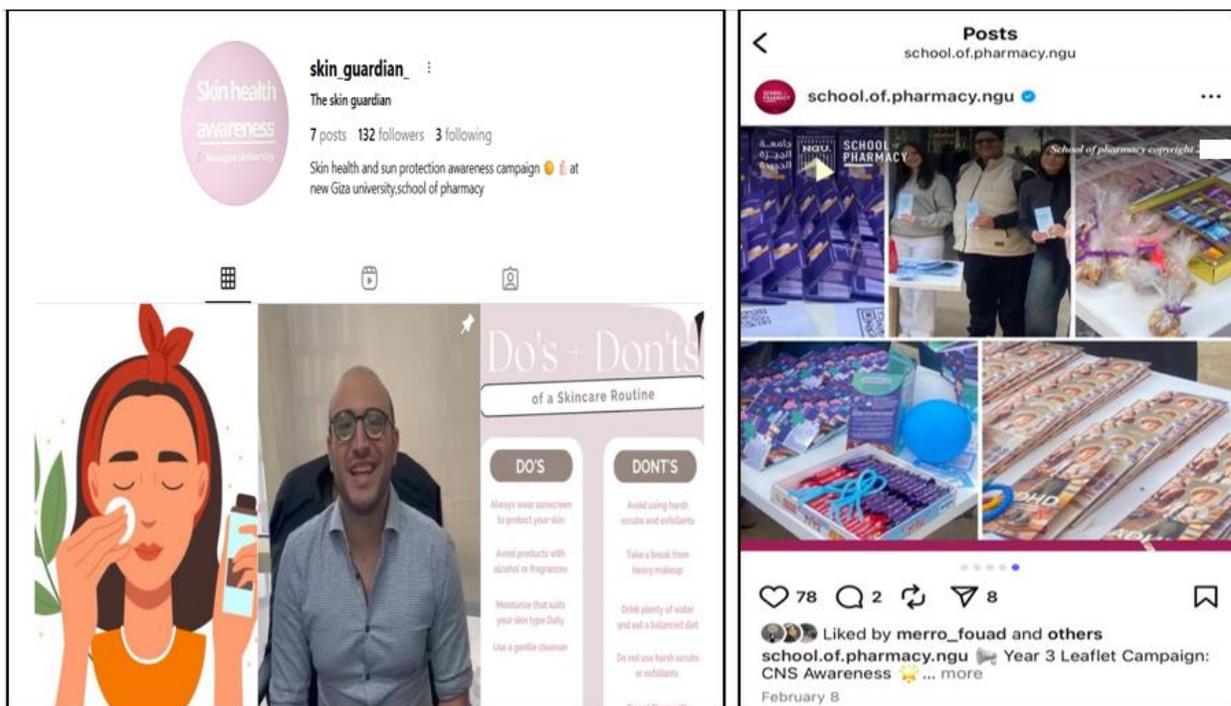
- The Hospice Egypt Project supports terminally ill patients socially, financially, and emotionally.

- SOP staff and students contribute through fundraising events and football tournaments, supporting palliative care services.



1.4. Health Awareness Campaigns (Online & On-Campus)

- Topics Covered: CNS Disorders (MS, ADHD, Huntington’s, Autism, Dementia), Skin Health, Digital Detox, Women’s Health, Vaccine Awareness, Stress Management, Cancer Awareness.
- Format: Social media posts, webinars, infographics, and student-led campaigns.
- Reach: Campus-wide and public engagement, strengthening community health literacy.

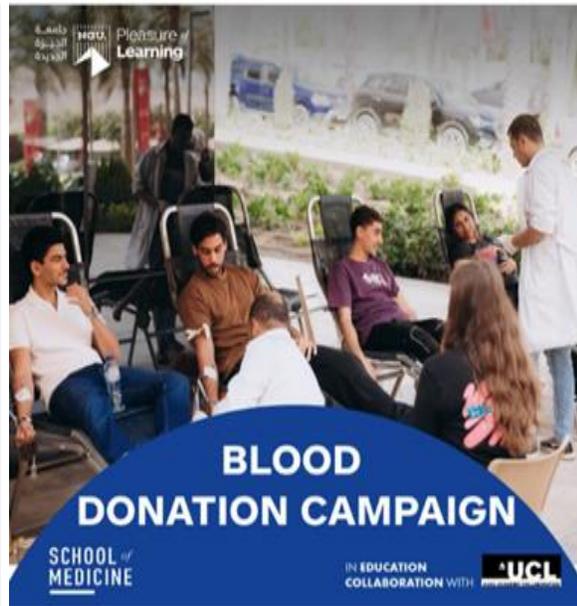


2. School of Medicine (SOM)

2.1. Blood Donation Campaigns

- **Partners:** National Blood Transfusion Services – Ministry of Health
- **Dates:** October 2023 (Dar El-Salam Center) & October 2024 (NGU School of Medicine)
- **Supporters:** NGUMA and Ibrahim Badran Foundation

- **Impact:** Promoted a campus-wide culture of **voluntary donation and health awareness.**



2.2. SOP and SOM 57357 Hospital Visit

- **Date:** January 2023
- **Activity:** NGU students visited 57357 Hospital, engaging children with gifts and games.
- **Impact:** Raised **28,000 EGP** for chemotherapy supplies to support pediatric cancer patients.



3.



3. School of Dentistry (SOD)

3.1. Medical Convoy – Ana El-Masry Foundation

- **Date:** December 17, 2023
- **Partners:** National Research Center
- **Location:** Mokattam
- **Participants:** 3 faculty, 1 assistant lecturer, 6 interns, 4 nurses
- **Impact:**
 - 48 individuals examined
 - 33 referred to mobile dental clinic
 - Oral hygiene sessions for children
 - Three workstations: diagnosis, awareness, treatment



3.2 Community Dental Services

- **Location:** NGU Dental Clinics & Hospital
- **Services:** Free treatment and oral health awareness sessions
- **Accessibility:** Transportation provided for patients from remote areas
- **Compliance:** Medical waste handled per Ministry of Health and Environmental Affairs standards

عيادات كلية طب الفم والأسنان بجامعة الجيزة الجديدة خلال الفترة ما بين 1/8/2023 - 31/5/2024																			
DIRECTION	أبو صير		كفر حكيم		الجامعة		أبو رواش		البراجيل		كفر غطايطي		منشأة البكري		صفط اللبن		بني مجدول		TOTAL OF THE MONTH
	متابعة	جديد	متابعة	جديد	متابعة	جديد	متابعة	جديد	متابعة	جديد	متابعة	جديد	متابعة	جديد	متابعة	جديد	متابعة	جديد	
Aug-23	266	187	149	84	170	164	0	0	0	0	184	153	332	272	0	0	246	224	2431
Sep-23	432	309	161	111	190	240	1	5	0	14	261	261	442	347	0	0	389	292	3455
Oct-23	817	387	366	191	356	457	15	64	49	89	770	347	871	363	0	0	760	416	6318
Nov-23	896	477	388	147	346	316	126	129	88	72	697	291	801	354	74	262	886	387	6737
Dec-23	810	363	264	129	241	367	122	92	55	40	456	167	602	243	124	231	565	269	5140
Jan-24	423	211	156	88	185	258	64	35	42	16	245	138	386	164	110	161	320	96	3098
Feb-24	740	374	303	196	282	346	92	61	42	30	496	277	634	322	216	173	461	283	5328
Mar-24	908	267	340	83	311	269	98	38	47	38	501	161	659	220	301	103	538	212	5094
Apr-24	845	264	239	124	302	199	92	34	73	41	372	155	596	221	237	124	433	161	4512
May-24	931	388	347	149	349	297	92	63	88	71	527	235	682	352	281	196	434	247	5729
TOTAL OF DIRECTION	7068	3227	2713	1302	2732	2913	702	521	484	411	4509	2185	6005	2858	1343	1250	5032	2587	

3.3. Oral Pathology Awareness Projects

- **Course:** Oral & Maxillofacial Pathology (AY 2022–2023)
- **Format:** Interviews, documentaries, mobile apps, websites
- **Focus:** Oral cancer and osteoporosis awareness

3.4. International Volunteering

- **Location:** Jordan
- **Date:** July 2023
- **Activity:** Dental treatment and awareness for Syrian and Palestinian refugees
- **Impact:** Applied clinical and humanitarian skills in real-world contexts



3.5. Histopathology Services

- **Service:** Biopsy and microscopic examination of oral lesions
- **Partner:** Cairo University Dental Research Unit
- **Purpose:** Diagnosis of benign and malignant oral conditions

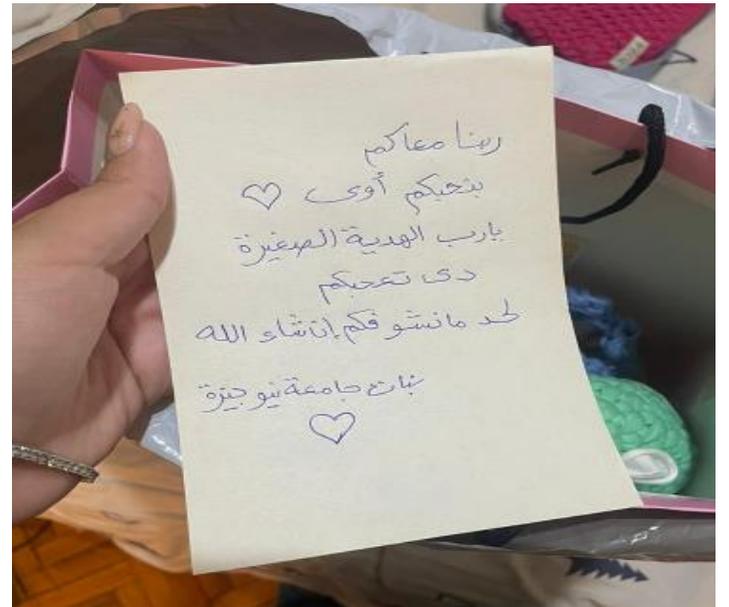
3.6. World Oral Health Day

- **Date:** March 2023
- **Activities:**
 - Awareness sessions and free dental kits
 - Brushing demonstrations
 - Educational leaflets distribution



3.7. First Aid Training

- **Beneficiaries:** Security & Operations Department
- **Coverage:** 100% of staff trained
- **Outcome:** Improved emergency preparedness and on-campus safety.



4. School of Business and Finance (SOBF)

4.1. Mental Health Awareness

- Students organized a **Mental Health Talk at NGU**, featuring **two professional sessions led by mental health specialists**.
- The event aimed to **raise awareness**, promote open discussion, and enhance NGU's **campus environment as a psychologically safe and supportive learning space**.

4.2. Support for Pediatric Patients – “Ersem De7ka” Campaign

- Conducted in partnership with **57357 Cancer Hospital** and **Nile of Hope Hospital**.
- The initiative utilized **art therapy** to spread positivity among young patients while raising funds and donating gifts to support their treatment journey.
- The campaign fostered empathy, creativity, and emotional well-being, reflecting NGU's dedication to compassionate healthcare outreach.

4.3. Public Health Awareness

- Students launched a **Baheya Breast Cancer Awareness Campaign** at the NGU School of Medicine.
- The campaign reached **over 120 participants** (students, faculty, and staff), delivering essential knowledge about **early detection, treatment options, and emotional support** for breast cancer patients.
- This collaboration demonstrated interdisciplinary efforts between the Schools of Business and Medicine to advance public health education.



5. School of Arts and Design (SOAD)

Participation at **4th World Forum on Infectious Diseases & Antimicrobial Resistance (IDAMR)**:

- The forum's inclusion of **Dr. Mai M. Barakat** as a speaker on "*The Role of Environmental Comfort and Human Behavior in Combating Infectious Diseases*" underscores the intersection between environmental design, human behavior, and public health.
- Her contribution highlights the importance of environmental comfort and behavior in climate change mitigation, offering interdisciplinary insights vital for advancing comprehensive strategies to safeguard health, especially in urban areas vulnerable to climate-related challenges.

SDG Alignment & Impact

SDG 3: Good Health and Well-being

- NGU advances SDG 3 by promoting physical, mental, and social well-being through education, research, and community service across all faculties.
- Through medical convoys, awareness campaigns, and healthcare services, NGU enhances access to quality healthcare, health literacy, and disease prevention for underserved communities.
- By fostering student-led initiatives, NGU nurtures social responsibility, compassion, and civic engagement, extending health promotion beyond campus boundaries.

SDG 4: Quality Education

- Health-related community outreach and clinical training initiatives provide experiential learning opportunities that strengthen students' professional skills and ethical awareness.
- Interdisciplinary collaboration among NGU faculties ensures that students gain practical exposure to real-world health challenges while applying academic knowledge to social impact.

SDG 5: Gender Equality

- Health campaigns addressing women's health, reproductive care, and breast cancer awareness empower female students, staff, and community members with knowledge and access to healthcare.

SDG 10: Reduced Inequalities

- NGU's medical and dental convoys, free community clinics, and outreach programs reduce health disparities by delivering essential services to marginalized and remote populations.
- Student participation in national and international volunteering initiatives promotes inclusion and equitable access to health services.

SDG 11: Sustainable Cities and Communities

- By integrating health, safety, and well-being into campus life—through green spaces, first aid training, and preventive care. NGU fosters a safe and sustainable learning environment that models healthy urban living.

SDG 13: Climate Action

The School of Fine Arts' research and participation in the World Forum on Infectious Diseases & Antimicrobial Resistance link environmental design and human behavior to public health resilience, addressing the health impacts of climate change.

Future Directions

- **Expand Convoys:** Increase geographic reach and frequency of medical and dental outreach programs.
- **Integrate Campaigns:** Combine health awareness with preventive services for greater impact.
- **Establish Histopathology Lab:** Enhance diagnostic and research capabilities.
- **Strengthen Mental Health Programs:** Continue promoting open dialogue, early intervention, and psychological support services across campus.
- **Encourage Cross-School Collaboration:** Build multidisciplinary health initiatives combining medical, pharmaceutical, dental, and business expertise.



SDG 4: Quality Education

Overview

NGU is dedicated to achieving **SDG 4: Quality Education**, which promotes inclusive, equitable, and high-quality learning opportunities for all. NGU's educational philosophy emphasizes academic excellence, international collaboration, continuous improvement, and practical engagement. Through strategic partnerships, rigorous quality assurance, faculty development, and student-centered learning, NGU ensures that its graduates are well-prepared to contribute meaningfully to the society.

Key Initiatives

1. International Academic Collaborations

NGU maintains strong academic partnerships with globally recognized institutions, including:

- University College London (UCL)
- King's College London (KCL)
- Milano Fashion Institute

These collaborations enhance curriculum development, faculty training, and student exposure to global academic standards, ensuring NGU's programs remain competitive and internationally relevant. (<https://ngu.edu.eg/about-ngu/#267>)

2. Quality Assurance & Accreditation

2.1. National Accreditation

- SOP and SOD are accredited by NAQAAE (National Authority for Quality Assurance and Accreditation of Education), affirming their adherence to national educational standards.



2.2. External Quality Audits

- NGU's SOP, SOD, and SOM undergo regular quality audits by Queen's University Belfast (QUB), a valued academic partner.
- These audits strengthen:
 - Curriculum design
 - Teaching methodologies
 - Assessment systems
- The process reflects NGU's commitment to continuous improvement and excellence in education.

3. Inclusive Student Support

3.1. Academic Advisory Programs

- NGU provides structured academic advisory support from the first year till graduation
- Each academic year begins with a general meeting with the Deans, to orient students and foster a supportive academic environment.
- Each student is assigned an academic advisor to follow the student during their journey in NGU.
- NGU offers an “Open door Policy” for the students at all times.

3.2. Academic Assistant Initiative (TASB)

- Offers targeted support for academically challenged students.
- Provides personalized mentoring and academic guidance to improve performance and retention.

4. Faculty Development & Innovation

Joint Training Program

- NGU faculty participate in a collaborative training program, seminars and capacity building sessions with the academic partners regularly.
- Focus areas include:
 - Innovative teaching strategies
 - Modern assessment techniques

- This initiative enhances faculty capabilities and promotes pedagogical excellence.



5. Experiential Learning & Curriculum Innovation

Students in SOP, SOD, and SOM benefit from a modular integrated system that emphasizes:

- Hands-on practical and laboratory work
- Flipped classrooms and interactive learning
- Expert-led workshops and external speaker sessions

- Field visits and training programs that connect theory to practice





External Examiners

- SOP and SOM host external examiners from UCL, ensuring academic rigor and benchmarking against international standards.



6. School of Business and Finance (SOBF)

6.1. Curriculum Integration

- Sustainability principles are embedded in courses such as International Business, Sales and B2B Marketing, and Entrepreneurial Finance.
- Core module **Corporate Social Responsibility and Ethics (BADM321)** includes a service-learning, community-focused project.
- Students gain hands-on experience linking business success with environmental and social sustainability.

6.2. Expert Guest Speakers

- Hosted **Mrs. Soha Zekry**, Head of Global Customer Relations at CIB.
- Delivered a session titled “*Global Business & Sustainability – Opportunities & Challenges.*”
- Illustrated CIB’s sustainability strategy and its journey toward becoming Egypt’s first green bank.



6.3. Social Change Advocacy

- Invited **Dr. Marwa El Daly**, Founder and Chairperson of Waqfeyat Misr Foundation (WMF).
- Presented on *Organizational Culture & Change* and the role of philanthropy and NGOs.
- Emphasized the *Ubuntu* philosophy in fostering empathy and sustainable social impact.



6.4. Industry Insights

- Featured **Eng. Mohamed Ehab**, Co-Founder of the e-commerce platform *Flagak*.
- Shared expertise on integrating AI technologies to enhance retail operations.
- Encouraged entrepreneurship and local product promotion within sustainable business models.



7. School of Engineering (SOE)

7.1. Courses

7.1.1. EDP.4 – Engineering Design Practice (Fall 2024)

- Interdisciplinary, project-based course where students solve real-world challenges linked to UN SDGs.
- Projects address issues such as rural energy access and urban transport congestion.
- Students present innovative solutions at an *Innovation Showcase* evaluated by external professionals.

BRIGHTENING CAIRO ALGAE-POWERED SMART LIGHTING

PROJECT OVERVIEW

PROJECT FOCUS: ENHANCING STREET LIGHTING IN EGYPT'S PEDESTRIAN ZONES TO ENSURE SAFETY, PARTICULARLY FOR WOMEN & CHILDREN

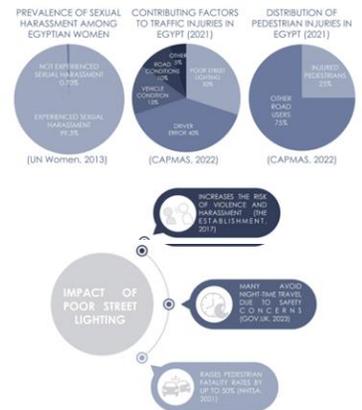
PROJECT INNOVATION: A BIO-INTEGRATED SMART LIGHTING SYSTEM (BPV) THAT UTILIZES LIVING MICROORGANISMS (ALGAE) TO GENERATE RENEWABLE ENERGY FOR SUSTAINABLE ILLUMINATION

PROJECT AIM: TO REDUCE CRIME AND ACCIDENTS WHILE FOSTERING COMMUNITY ENGAGEMENT THROUGH ENVIRONMENTALLY CONSCIOUS INFRASTRUCTURE IMPROVEMENTS

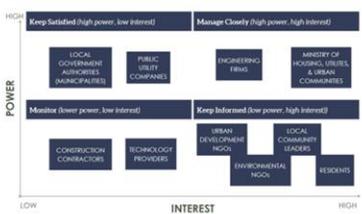
PROBLEM STATEMENT

POOR LIGHTING IN EGYPT'S PEDESTRIAN AREAS POSES SAFETY HAZARDS, PARTICULARLY FOR WOMEN & CHILDREN. INADEQUATE ILLUMINATION INCREASES RISKS OF VIOLENCE, HARASSMENT, & ROAD ACCIDENTS, LIMITING MOBILITY & QUALITY OF LIFE. THIS ISSUE CONTRADICTS EGYPT'S URBAN SAFETY AND GENDER EQUALITY GOALS, SPECIFICALLY **SUSTAINABLE DEVELOPMENT GOALS 5 (GENDER EQUALITY) AND 11 (SUSTAINABLE CITIES AND COMMUNITIES)**, NECESSITATING IMMEDIATE ACTION TO CREATE SAFER, ACCESSIBLE PUBLIC SPACES

TRAFFIC SAFETY & VIOLENCE STATISTICS



STAKEHOLDER ANALYSIS



OBJECTIVES

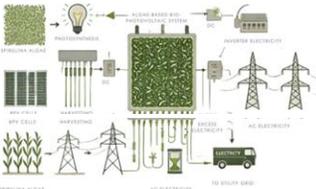
- PROVIDE CLEAN, CONSISTENT STREET LIGHTING TO PROTECT PEDESTRIANS
- MINIMIZE ECOLOGICAL IMPACT & IMPROVE SECURITY WITH BPV TECHNOLOGY
- POSITION BIO-INTEGRATED STREETLIGHTS IN ACCIDENT HOTSPOTS
- DISTRIBUTE UNITS ACROSS PEDESTRIAN AREAS FOR FULL COVERAGE
- COMBINE BPV AND TRADITIONAL LIGHTING FOR OPTIMAL ILLUMINATION
- MAINTAIN 150 LUX BRIGHTNESS ON BUSY STREETS

DESIGN CRITERIA



SOLUTION OVERVIEW

THE BIO-INTEGRATED SMART LIGHTING SYSTEM UTILIZES ALGAE-BASED BPV CELLS IN STREETLIGHTS TO GENERATE RENEWABLE ENERGY, PROVIDING 150 LUX OF BRIGHTNESS FOR IMPROVED SAFETY & AESTHETICS. THESE BPV CELLS CONVERT SUNLIGHT INTO ELECTRICITY THROUGH PHOTOSYNTHESIS, WHERE ALGAE RELEASE ELECTRONS THAT ARE HARVESTED TO PRODUCE ELECTRIC CURRENT



OPTIMIZING ALGAL ENERGY

EGYPT'S SOLAR IRRADIANCE OF 2000 TO 3200 KWH/M²/YEAR IS IDEAL FOR BIFACIAL PHOTOVOLTAIC SYSTEMS, BUT THE AVERAGE SUMMER TEMPERATURE OF 40°C CAN HINDER ALGAL GROWTH. TO ADDRESS THIS, WE WILL USE SPIRULINA, WHICH THRIVES IN HIGH TEMPERATURES, AND EMPLOY IMMOBILIZATION TECHNIQUES LIKE ALGINATE GEL ENCAPSULATION TO ENHANCE THE STABILITY AND LONGEVITY OF ALGAL CULTURES UNDER THERMAL STRESS

ON-GRID SYSTEM



GROUP 01
 ADHAM WALID - 202101788 HANA TAMER - 202101589
 ALY EL SAKA - 202101584 HIND KAIED - 202101575
 BASSAM AMIR - 202101956 JANA HABIB - 202102363
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 OMAR EL FAROUK - 202101725 MARYAM SHAHIN - 202101945

ACKNOWLEDGEMENTS
 THE AUTHORS THANK DR. AHMED EL SHIHY, DR. HAITHAM SAMIR & DR. SHEREEN ABDELHALIM FOR ASSISTANCE

Student project emphasizing SDG 5 Gender Equality & SDG 11 Sustainable Cities and communities

MOD-POD

Temporary Modular Housing for Workers

Problem Statement

Housing is considered one of the most important problems facing Egyptian society, especially the low-income class. The continuous rise in the prices of housing units and in the prices of land and building materials have led to the difficulty of finding suitable, quick housing for people. This begs the need for fast housing, especially for construction workers, who need accommodation close to their work site. This impacts their productivity, increases transportation costs, and lowers overall work efficiency. Unsafe or uncomfortable living conditions also affect their physical and mental well-being.

SDG 11: Sustainable Cities and Communities
Target 11.1 focuses on improving safe and affordable housing for all living classes.

Here is a graph illustrating the number of workers employed in major construction projects outside Cairo and their housing arrangements. The bar chart represents the number of workers in thousands, while the line graph shows the percentage distribution of those provided with temporary housing and those residing locally.

Project Region	Workers Employed (Thousands)	Temporary Housing Provided (%)	Local Residents (%)
New Administrative Capital	~120	~35	~65
Capital Region	~100	~45	~55
North Sinai	~60	~55	~45
Upper Egypt Projects	~80	~40	~60

Solution: MOD-POD

Our solution is to provide temporary modular housing units which can be easily deployed for temporary usage, yet durable to be reused again. We designed several units for each building elements (ex. walls, windows, floors, etc.). These units can be easily attached together using prefabricated ties. This allows companies to rent or buy these units, create simple temporary pods for workers near construction sites and at the end of the project they could demount the pod and reuse the units at other sites. This reduces wasted materials or abandoned worker housing.

Installation

Connections are pre-made and can be used for different scenarios in order to stabilize the units.

- Wall to Roof/Floor
- Wall to Wall
- Wall to Door

Prototypes

Prototype 1
• 4x6 m unit
• Two bunk beds
• 24 m²

Prototype 2
• 6x8m unit
• Three bunk beds
• 48 m²

Impacts and Benefits

- Reusability:** buildings can be disassembled instead of demolished, and blocks re-used or recycled at the end of their life.
- Easy assembly:** A small team can assemble a unit in hours, without needing traditional construction skills.
- Lightweight:** A typical wall block weighs just 25kg, making it easy to handle and install.
- Sustainable Material:** Reuse of native invasive plants as fiber reinforcement with a use of recycled plastic and concrete.

Materials

- Reduces plastic waste by recycling into building materials.
- Eco-friendly, combining natural fibers with recycled resources.
- Durable and sustainable, suitable for resilient, modular housing.

Water Hyacinth Reinforced Plastic
Abundant and invasive plant, processed into durable natural fibers.

Recycled Plastic
Collected plastic waste, cleaned and processed into reusable plastic resin.

Diagram Details

Prototype 2 Section 1:50
• different levels allow for stack ventilation

Unit assembly steps:
1. Flooring Units
2. Posts
3. Wall Units
4. Window Unit
5. Door Unit
6. Roof Units
7. Roof Finishing

• unit is made to be assembled similar to a puzzle
• easily and quickly install them.

Student project emphasizing SDG 11 Sustainable Cities and communities

7.1.2. CEN.3 – Creativity Enhancement 1: Audio-Visual Tools for Community Participation (Spring 2024)

- Enhances students' communication and collaboration skills with local communities through participatory design.
- Uses low-cost, art-based methods to co-create sustainable improvements in informal settlements.
- Promotes community engagement, empathy, and practical application of socially responsive design.

7.2. Student-Led Project: Dar El-Sameya Orphanage (Spring 2024)

- 39 architectural engineering students collaborated with 10 children and caregivers in redesigning the orphanage's backyard.
- Activities included site visits, workshops, and participatory vision-building exercises.
- Project concluded with a celebration event highlighting the children's creative input and collaboration.





7.3. – AE.3.5 Integrated Building Design 3 (Fall 2023 & 2024)

- Focuses on sustainable and climate-responsive building design tailored to Egypt’s environmental context.
- Encourages use of advanced analysis tools and sustainability frameworks in architectural proposals.
- Aligns with SDG 7 (Affordable and Clean Energy), SDG 12 (Responsible Consumption and Production), and SDG 13 (Climate Action).

CHALLENGE ONE GLOBAL WARMING

THE EXHIBITION HALL IS LOCATED IN EGYPT, ONE OF THE MANY COUNTRIES THAT ARE EXPOSED TO THE SEVERE EFFECTS OF CLIMATE CHANGE.

THESE EFFECTS CAN BE CAUSED BY HEAT WAVES WHICH CAN LEAD TO OVERHEATING, THERMAL DISCOMFORT, MATERIAL DEGRADATION AND STRUCTURAL ISSUES. ALL OF WHICH REQUIRES INSTANT ACTION FROM ARCHITECTS IN ORDER TO ENSURE A BETTER LIVING QUALITY AND A SAFE ENVIRONMENT.

RESPONSE 1: STACK VENTILATION

THIS VENTILATION METHOD MAINLY DEPENDS ON TEMPERATURE DIFFERENCE TO MOVE THE AIR. THE HOT AIR RISES UPWARDS AND THE LOW PRESSURE PULLS IN FRESH AIR FROM OUTSIDE. USING THIS TYPE OF STRATEGIES WOULD DECREASE THE COOLING LOAD THIS PROMOTING ENVIRONMENTAL SUSTAINABILITY.

CHALLENGE TWO WATER SCARCITY

THE EXHIBITION HALL IS LOCATED IN EGYPT, ONE OF THE MANY COUNTRIES THAT ARE EXPOSED TO THE SEVERE EFFECTS OF CLIMATE CHANGE.

ONE OF THESE MAIN EFFECTS IS WATER SCARCITY WHERE NORTH AFRICA IS THE MOST WATER STRESSED REGION IN THE WORLD ACCORDING TO THE WORLD RESOURCES INSTITUTE. FURTHERMORE, THE COUNTRY IS ESTIMATED TO BE CATEGORIZED AS WATER-SCARCE BY 2025, ACCORDING TO IHHMATED NATIONS. THIS THE NEED FOR SUSTAINABLE WATER PRACTICES IS MORE DUE THAN EVER.

RESPONSE 1: LOW-FLOW SENSOR AND AUTOMATED WATER OUTLETS

LOW FLOW

Water Usage and Costs	
Total: 4,814,480 L / yr	6,482.42 / yr
Indoor: 2,860,000 L / yr	4,784.22 / yr
Outdoor: 1,954,480 L / yr	2,698.20 / yr
Net Utility: 4,814,480 L / yr	6,482.42 / yr

STANDARD

Water Usage and Costs	
Total: 3,276,760 L / yr	3,281.42 / yr
Indoor: 2,144,000 L / yr	3,186.42 / yr
Outdoor: 1,132,760 L / yr	1,095.00 / yr
Net Utility: 3,276,760 L / yr	3,281.42 / yr

AS SEEN FROM THE PLAN ABOVE THERE ARE A MAIN AREAS THAT CONSUME WATER WHICH ARE 3 TOILETS AND THE CAFETERIA.

GREEN BUILDING STUDIOS WAS USED TO ESTIMATE THE WATER USAGE AND COSTS USING LOW FLOW OUTLETS WHICH AN AVERAGE DECREASE IS SHOWN.

THE FLOOR FACSET CAN BE USED IN THE EXHIBITION TO PROMOTE LOW FLOW AND CONTROLLED WATER USAGE.

CHALLENGE FOUR ENERGY SECURITY

BUILDINGS AND CONSTRUCTION ACCOUNT FOR 36% OF GLOBAL ENERGY CONSUMPTION, WITH DEMAND RISING DUE TO EASY ENERGY ACCESS, APPLIANCE USE, AND BUILDING FLOOR AREA.

ENERGY SECURITY ENSURES UNINTERRUPTED ACCESS TO AFFORDABLE ENERGY SOURCES TO MEET GLOBAL NEEDS.

RESPONSE 1: RENEWABLE ENERGY SOURCE - PHOTOVOLTAIC CELLS (BIPV)

IN THIS CASE THIN-FILM SOLAR PANELS WERE APPLIED ACROSS THE ROOF AS THEY ARE LIGHTWEIGHT, FLEXIBLE, AND COST-EFFICIENT. FURTHERMORE, ADVANCED 3M[®] TAPES AND FILMS ARE USED IN ITS INSTALLATION, BONDING, AND ENCAPSULATION. THIS ENHANCES DURABILITY AND WEATHER RESISTANCE WHILE ELIMINATING THE NEED FOR HEAVY GLASS AND REDUCING INSTALLATION TIME AND COSTS.

Panel Type	Installed Panel Cost	Applied Electric Cost	Net Payback Period
Thin Film - 7.5% efficient	20,000.00	3,200.00	60 (per 1000 sq. ft.)
Standard Panel Cost	7,821,208.85	623,987	1,089,076.86

GREEN BUILDING STUDIO CALCULATOR

CHALLENGE THREE AIR POLLUTION

AIR POLLUTION WHICH IS ONE OF THESE PROBLEMS CAN HARM HUMANS, ANIMALS, BUILDINGS AND THE ENVIRONMENT.

THIS TYPE OF POLLUTION CAN CAUSE BOTH EROSION AND DEGRADATION IN BUILDING FACADES AND STRUCTURAL ELEMENTS IF THEY AREN'T ACCORDINGLY RESILIENT.

RESPONSE 1: SMOKE CONTROL SYSTEM

TO ENSURE AIR QUALITY INDOORS IN CASE OF EMERGENCIES A SMOKE CONTROL SYSTEM SHOULD BE IMPLEMENTED.

THIS SYSTEM MAINLY MANAGES SMOKE DURING A FIRE THUS REDUCING THE RISK OF SMOKE INHALATION AND FIRE-RELATED DEATHS.

RESPONSE 2: GOOD VENTILATION

A VENTILATION METHOD THAT CAN BE USED IS STACK VENTILATION WHICH MAINLY DEPENDS ON TEMPERATURE DIFFERENCE TO MOVE THE AIR.

THE HOT AIR RISES UPWARDS AND ITS LOW PRESSURE PULLS IN FRESH AIR FROM OUTSIDE. USING THIS TYPE OF STRATEGIES WOULD DECREASE THE COOLING LOAD THIS PROMOTING ENVIRONMENTAL SUSTAINABILITY.

RESPONSE 3: LOW-E VOC MATERIALS

Material	Area	Quantity	Unit Price	Total Price
Low-E Glass	1000	1000	100	100,000
VOC-Free Paint	500	500	50	25,000
Low-E Insulation	200	200	20	4,000

RESPONSE 4: AIR FILTRATION SYSTEM

THE AIR FILTRATION SYSTEM CONSISTS OF AN AIR CONDITIONING ROOM AND SUPPLY DUCTS.

THESE DUCTS ARE INSTALLED IN COLUMNS AND PORTS IN THE BUILDING ACROSS THE WEATHERS TO INSURE THAT THE FILTERED AIR IS DISTRIBUTED EVERYWHERE.

CHALLENGE TWO WATER SCARCITY (continued)

GREEN BUILDING STUDIOS WAS USED TO ESTIMATE THE WATER USAGE AND COSTS USING LOW FLOW OUTLETS WHICH AN AVERAGE DECREASE IS SHOWN.

THE FLOOR FACSET CAN BE USED IN THE EXHIBITION TO PROMOTE LOW FLOW AND CONTROLLED WATER USAGE.

RESPONSE 2: GRAY WATER RECYCLING SYSTEM

SECTION SCALE 1:500

A DRYWATER SYSTEM RECYCLES WASTEWATER FROM SINKS, SHOWERS, AND LAUNDRY FOR RE-USE IN TOILET FLUSHING. IT ENHANCES WATER EFFICIENCY, REDUCES DEMAND ON FRESHWATER SOURCES THIS ALLOWING FOR PS SUSTAINABLE WATER MANAGEMENT PRACTICES.

EXHIBITION STUDIOS SHOWS HOW A GREYWATER RECYCLING SYSTEM WOULD BE APPLIED ON IT. LIKE THE PREVIOUS SECTION WE CAN THAT COMPARED TO TRESTANDARD COSTS A GREYWATER SYSTEM SAVES BOTH WATER AND MONEY.

CHALLENGE TWO WATER SCARCITY (continued)

GREEN BUILDING STUDIOS WAS USED TO ESTIMATE THE WATER USAGE AND COSTS USING LOW FLOW OUTLETS WHICH AN AVERAGE DECREASE IS SHOWN.

THE FLOOR FACSET CAN BE USED IN THE EXHIBITION TO PROMOTE LOW FLOW AND CONTROLLED WATER USAGE.

RESPONSE 3: WATER EFFICIENT MATERIAL

Material	Description	Material	Quantity	Unit Price	Applied Cost
Low Flow	4.0 liter per second (lps) standard	High	1000	100	100,000
Dark	Medium, medium, medium, medium	Medium	500	50	25,000

INTERIOR CORN WALLS

BISS STAIN FLOORING

Fig.1 Student project addressing SDG 7, 12, and 13 in their design studio

8. School of Arts and Design (SOAD)

- Implements modern, project-based education integrating creativity, innovation, and applied research,
- Combines artistic knowledge with practical application to address societal and industry needs.
- Follows international academic standards and fosters global institutional partnerships
- Develops students' creative and professional skills for the evolving art and design market.
- Encourages collaboration with art, design, and industry sectors for real-world experience.

8.1. Quality Education Paper View

- Peer-reviewed publications and documentation demonstrating the faculty's contributions to advancing quality education in art and design.

8.2. Public Resources (Lifelong Learning) – Year 2024

- *Textiles for Sustainability Course*
- *Societal Issues Course*

8.3. Educational Trip to Milan Design Week 2024

- Interior Design students attended *Salone del Mobile. Milano*, the world's largest international design trade fair.
- Students explored global design trends, technologies, and professional design practices.

- The trip expanded their creative vision and inspired innovative academic projects.



8.4. Cultural Exploration of Venice and Lake Como

- Students visited Venice and Lake Como to study architectural and cultural heritage.
- The exploration deepened understanding of spatial design and historical context.
- Exposure to Italy’s art and urban design enriched their academic experience.



8.5. Pavilion 2 Exhibition – A Celebration of Student Creativity

- Fine Arts students showcased work in Fashion, Graphic, and Interior Design.
- The exhibition highlighted innovation, creativity, and interdisciplinary design approaches.
- NGU leaders attended, emphasizing the university's support for artistic excellence.



8.6. Industry Recognition through Infinity–Konica Minolta Competition

- Student *Farah Omar* ranked among top five winners for her poster design.
- Ten NGU graphic design finalists exhibited their work at the Grand Egyptian Museum.
- The competition enhanced NGU's visibility in national art and design education.

8.7. Professional Exposure and Digital Embellishment Training

- Students received training in digital foiling and varnish technologies.
- Collaboration with *Konica Minolta* linked academic learning with industry practice.

- The program equipped students with advanced digital design and printing skills

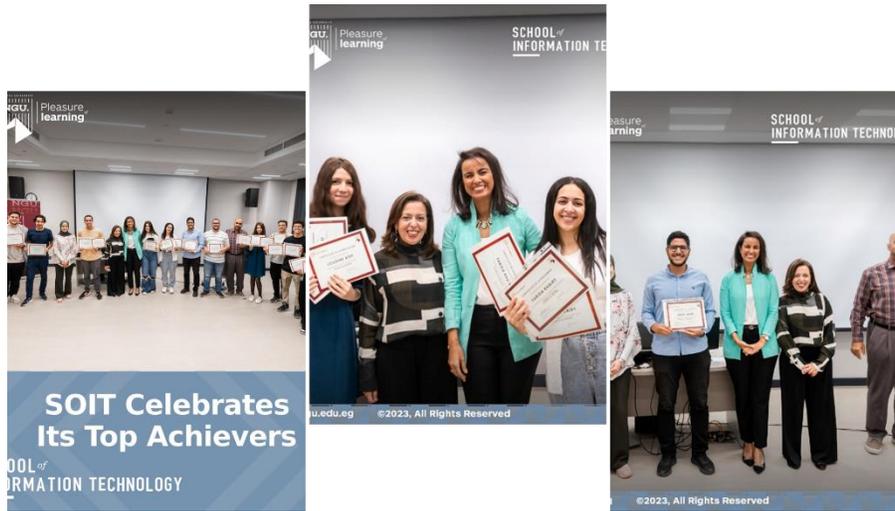


9. School of Information Technology (SOIT)

- Industry-integrated curriculum and applied learning through internships and senior projects.
- Modern programs in Computer Science, Artificial Intelligence, Cybersecurity, and Biomedical Informatics.
- Project-based learning and innovation-driven pedagogy focused on ethics and responsible AI.
- Collaborations with local and international experts such as Dr. Hesham Ali (Professor at University of Nebraska, USA) and Dr. Luc Frachon (Heriot-Watt University, UK), Dr Marian Azer (Professor of Cybersecurity, member of parliament, public figure), Dr Karim Sobh (CTO), Dr Islam Khalil (CEO).
- Advanced learning infrastructure including AI Labs and smart classrooms. This includes smart board enabled classrooms and an advanced AI lab with high spec GPUs.
- Annual recognition of academic excellence and student achievement.

9.1. Celebrating Excellence

The School of Information Technology held an event to recognize and honor its Highest Achievers and Contributors together with mentors and female role models in 8 Nov 2023.



9.2. Courses

As part of the “Ethics in Technology” course, students visited the **Bibliotheca Alexandrina's CULTNAT** at the Smart Village. During this visit, students observed how the ancient Egyptians were remarkably ahead of their time, possessing a sophisticated ethical value system that addressed almost every modern ethical issue, including confidentiality. Additionally, students gained firsthand experience in witnessing how technology can seamlessly integrate with history and heritage, bringing them to life. The experience not only deepened their understanding of ethical principles but also ignited a profound appreciation for the intricate interplay between technology and the timeless wisdom of past civilizations.



9.3. Participation in Egypt Defense Expo (EDEX)

Students participated in the 3rd edition of Egypt Defense Expo (EDEX) December 2023; an event that features over 400 of the leading defense and security companies from around the world. Students enjoyed a unique experience discovering the latest technologies and solutions in the defense and security industries.



9.4. Natural Language Processing (NLP) Capacity Building

This event is part of SOIT's ongoing speaker series, which brings real-world experiences to students for a successful transition to careers in the industry.

SOIT invited Dr. Walid Magdy, an Associate Professor at the University of Edinburgh's School of Informatics with a rich industrial background at IBM, Microsoft, and QCRI. Dr. Magdy is a leading figure in Natural Language Processing (NLP) and Computational Social Sciences. In his talk, he shared valuable insights on NLP applications.



10. School of Medicine (SOM)

10.1. Educational Courses

SOM hosted the international course “**Increasing Awareness and Understanding of Duchenne Muscular Dystrophy (DMD)**”, supported by Pfizer, open to healthcare professionals and participants beyond NGU. This event brought together top specialists from the Mediterranean, Europe, Japan, and the USA to share the latest advancements in DMD research and care. With expert-led sessions, hands-on workshops, and global insights, the course provided participants with invaluable knowledge and practical skills, fostering lifelong learning and professional growth as well as certificates of participation.

The poster features a dark blue background with a faint, glowing molecular or cellular structure pattern. On the right side, there is a detailed anatomical illustration of a male figure in a dynamic, athletic pose, showing the musculature in shades of red and pink. In the top left corner, the logos for 'جامعة الجيزة الجديدة' (New Giza University), 'NGU.', and 'SCHOOL of MEDICINE' are displayed. The main title 'Duchenne Muscular Dystrophy (DMD)' is written in a bold, yellow font, followed by 'Educational Course' in a white, serif font. Below this, the dates '10th to 13th of November' and the location 'Cairo, Egypt' are listed in white. At the bottom left, the 'Lris' logo is shown, and at the bottom right, the 'MYO-CARE Foundation' logo is displayed.

10.2. Medical Student Gathering

NGU was honored to host one of the most significant medical student gatherings in Egypt, the IFMSA-Egypt First Term National General Assembly (NGA) for the academic year 2023–2024. The NGA featured multiple educational sessions, scientific discussions, and capacity-building workshops focused on medical education, leadership, and healthcare advocacy. In addition, the event included networking activities and collaborative forums that fostered professional development among medical students nationwide. The NGA was an open educational event, extending learning opportunities to medical students from across Egypt, not limited to NGU's own student body. It promoted peer learning, knowledge exchange, and collaboration among future healthcare professionals.





SDG Alignment & Impact

SDG 4: Quality Education

- International collaborations, accreditations, and modular systems ensure inclusive and high-quality education.
- Faculty development and student support foster lifelong learning and academic success.
- Expert-led seminars and experiential learning bridge theory with practice.

SDG 16: Peace, Justice, and Strong Institutions

- Lectures and discussions on governance and crisis management promote awareness of institutional accountability and transparency.

Future Directions

- **Expand Postgraduate Offerings:** Introduce interdisciplinary programs and research opportunities.
- **Strengthen Digital Learning:** Invest in e-learning platforms and blended education models.
- **Enhance Global Engagement:** Deepen partnerships and student exchange programs.
- **Monitor Educational Outcomes:** Implement feedback systems to assess impact and satisfaction.



SDG 5: Gender Equality

Overview

NGU is committed to advancing **SDG 5: Gender Equality**, which aims to end all forms of discrimination and violence against women and girls, while ensuring equal opportunities in education, research, leadership, and participation. NGU fosters a gender-inclusive environment across all levels—students, faculty, and staff—through policy, practice, and culture. The university actively promotes gender equity in academic achievement, leadership, health, and empowerment.

Key Initiatives

1. Institutional Commitment to Gender Equity

- Ensures equal recruitment, promotion, and leadership opportunities for all genders across academic and administrative roles.
- Implements transparent hiring policies that prioritize merit and gender diversity in faculty and staff appointments.
- Promotes gender balance in university committees, leadership positions, and decision-making bodies.
- Provides mentorship programs that support women's professional growth in academia and creative industries.
- Encourages female participation in research, innovation, and community-based projects.
- Offers training and awareness workshops on gender equality, workplace respect, and inclusive practices.
- Enforces a zero-tolerance policy against harassment, discrimination, or gender-based violence.
- Supports family-friendly work policies, including flexible schedules and maternity.
- Highlights women's achievements through events, exhibitions, and public recognition within the university.
- Women hold leadership roles in administration and academia, including deans, department heads, and research leads.

2. School of Pharmacy (SOP)

2.1. International Day for the Elimination of Violence Against Women:

- Activity: Yoga & Flexibility class.
- Purpose: Promote physical and mental well-being while raising awareness about violence against women.
- Impact: Fostered a supportive and empowering environment for female students and staff.



2.2. Online Awareness Campaigns on Social Media Platforms

SOP students led digital awareness campaigns focused on:

- o Women's health
- o Maternal care

- These initiatives promoted health literacy, self-care, and access to reliable information for female students and the broader community.

3. School of Business and Finance (SOBF)

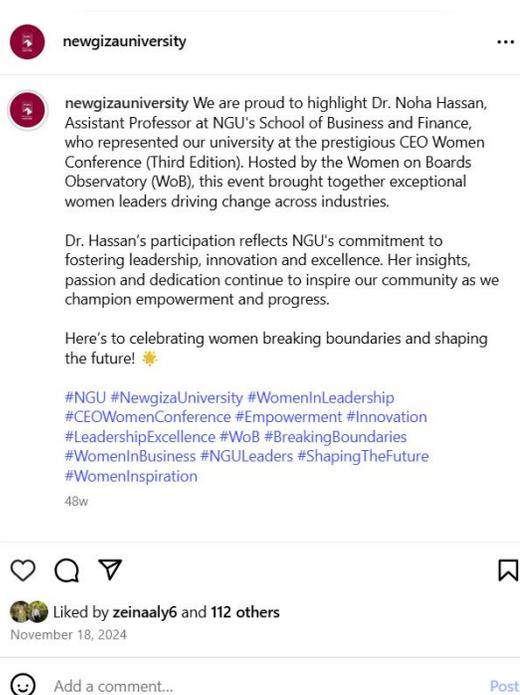
3.1. Mentorship and Support

- Dr. Lamia El Ayouby, faculty member at the School of Business and Finance, actively participates in the **Women Entrepreneurship Network (WEN) Mentorship Program** under the **USAID SEED Project**.
- She provides mentorship to female entrepreneurs, guiding them in transforming innovative ideas into viable business ventures.
- Her efforts contribute to strengthening women's participation in the entrepreneurial ecosystem and promoting sustainable economic empowerment.



3.2. Leadership and Governance

- Dr. Noha Hassan, faculty member at the School of Business and Finance, serves as a **non-executive board member at Beltone SME** and as a **member of the Egypt Women on Boards Observatory**.
- She is also a jury member for the Rabha Initiative for Women Empowerment, funded by **UN Women Egypt**, which promotes women's leadership and professional advancement.



4. School of Information Technology (SOIT)

- Women in AI and Engineering panels featuring Egyptian female leaders in technology.
- Support for female students in international training programs such as Leadership in AI and Information Warfare (Jordan, 2024).
- Female leadership in IEEE NGU Chapter and student representation roles.
- Visibility initiatives highlighting women's achievements in AI and data science.

4.1. Women in Engineering event

- The School of Information Technology in collaboration with the School of Engineering were proud to host the Women in Engineering event.
- The gathering showcased enlightening talks, sparking vibrant discussions. A distinguished panel featuring Dr. Rania Sweif, Ms. Adian Hayder, Dr. Laila Hesham, Dr. Mariam Nabil, and moderated by Dr. Samhaa El-Beltagy added depth and expertise to this empowering dialogue.





SCHOOL of INFORMATION TECHNOLOGY

SCHOOL of ENGINEERING

HOCHSCHULE OFFENBURG

Institut für verlässliche Embedded Systems und Kommunikationselektronik

DAAD

Ms. Adian Hayder Shubbar

Scientific researcher at the Institute of Reliable Embedded Systems and Communication Electronics (IVESKI)

"Gender equality in technology and Academia"

Dr. Mariam Makramalla

Assistant Professor at Newgiza University, School of Engineering

"Engineering Women: Power to Change the world"

Dr. Khadija El-Bedweihy

top-ranked graduate and was the youngest lecturer in her faculty

"Breaking Barriers and Promoting Innovation"

WIE Workshop: Inspiring Future Engineers

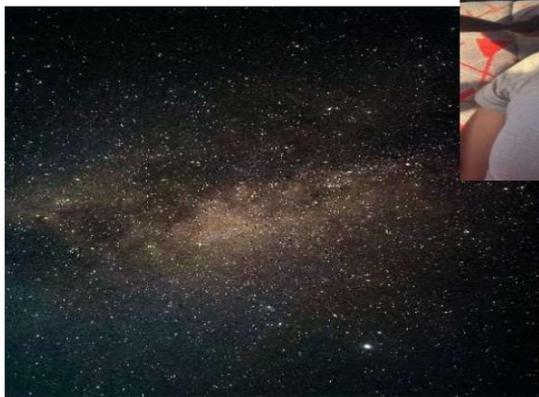
December 7th, 11:00am to 1:00pm

Pleasure of Learning

16623 | ngu.edu.eg

4.2. “Preparing Leaders in Artificial Intelligence and Information Warfare” program

University has supported Rahma Walid and Youmna El Housany's travel to Jordan to attend a workshop on “Preparing Leaders in Artificial Intelligence and Information Warfare” program hosted in University of Akaba Jordan. In their testimonial, students stated that “Over the course of five days, we had the opportunity to gain invaluable knowledge, develop new skills, and form meaningful connections with participants and leaders from across the Arab world. The program provided us with a deep understanding of the importance of AI security, professional etiquette, and data science, all of which we know will shape our future endeavors. this experience has prepared us to be better leaders and innovators in the world of artificial intelligence and beyond. “



4.3. Participation at IEEE Egypt Section ExCom

Encouraging and celebrating female student to take leadership positions in technology-related communities: SOIT student to be appointed as the Egypt Section Student Representative by the IEEE Egypt Section ExCom.



5. School of Arts and Design (SOAD)

The School recognizes that elimination of all forms of discrimination against women is not only a fundamental human right, but also a catalyst for progress that positively influences all other dimensions of development, education, and artistic innovation. SOAD women have been recognized in national and international design and innovation competitions, such as the “**Empowering the Informal City Workshop**” and the “**Cairo Designathon**” inspiring the next generation of female leaders and changemakers.



6. School of Medicine (SOM)

6.1. Participation of Women in Research

The Health Science Research Center at NGU features a majority of female researchers across medicine, pharmacy, and life sciences, reflecting NGU's strong support for women in research and innovation.



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RESEARCH FUND FOR SCHOOL of MEDICINE
 Alexander von HUMBOLDT STIFTUNG
DR. NADA EL EKIABY
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Miral Hamad, BSc
 Senior grants and scientific officer
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6.2. Awareness and Collaboration

NGU hosted the “Seminar on Intellectual Property” in collaboration with the National Council for Women, supporting awareness of women’s rights and innovation.



SDG Alignment & Impact

SDG 5: Gender Equality

- NGU promotes equal access to education, leadership, and academic resources.
- Women are empowered through inclusive policies, mentorship, and professional development.
- Gender-sensitive teaching and evaluation practices are embedded across all schools.

SDG 4: Quality Education

- Gender equality is a cornerstone of NGU’s commitment to inclusive and high-quality education.

SDG 16: Peace, Justice, and Strong Institutions

- NGU promotes gender-inclusive governance and leadership through expert engagement and policy advocacy.

Future Directions

- **Expand Gender-Focused Programs:** Launch mentorship and leadership initiatives for female students and staff.
- **Enhance Data Monitoring:** Track gender equity metrics across academic and administrative domains.
- **Promote Research on Gender Issues:** Encourage interdisciplinary research on gender, equity, and inclusion.
- **Strengthen Community Outreach:** Partner with NGOs and government bodies to support gender equality beyond campus.



SDG 6: Clean Water and Sanitation

Overview

NGU supports **SDG 6: Clean Water and Sanitation**, which aims to ensure availability and sustainable management of water and sanitation for all. NGU promotes water conservation, hygiene awareness, and responsible resource use across its campus. Through student-led campaigns, faculty engagement, and cross-departmental collaboration, NGU fosters a culture of environmental responsibility and sustainable water practices.

Key Initiatives

1. Institutional Practices Commitment to Clean Water & Sanitation

- Ensures equitable access to clean sanitation and hygiene facilities for all students and staff.
- Installs hand dryers, soap dispensers, and tissue supplies across all restrooms.
- Provides accessible bathrooms equipped for people with disabilities.
- Uses drip irrigation systems to minimize water waste and nutrient loss.
- Schedules irrigation during low-evaporation periods to optimize absorption.
- Landscapes campus with drought-tolerant plant species requiring minimal water.
- Reuses treated water in fountains to demonstrate sustainable water management.
- Plants used in the green area (landscape) are drought-tolerant, they do not require much water at all to survive and thrive.
- Efficient water management and reuse can demonstrate sustainable practices in water conservation that the fountains use recycled or treated water.



Madagascar Periwinkle Bafta



Royal Palm



Date Palm



Crown of Thorns "Euphorbia Milii"



Plumeria



Italian Cypress

Drought-tolerant Plants

	
Hand dryer	Hand soap dispenser
	
Urinals	Toilet with seat cover
	
Hand tissues	Toilet paper

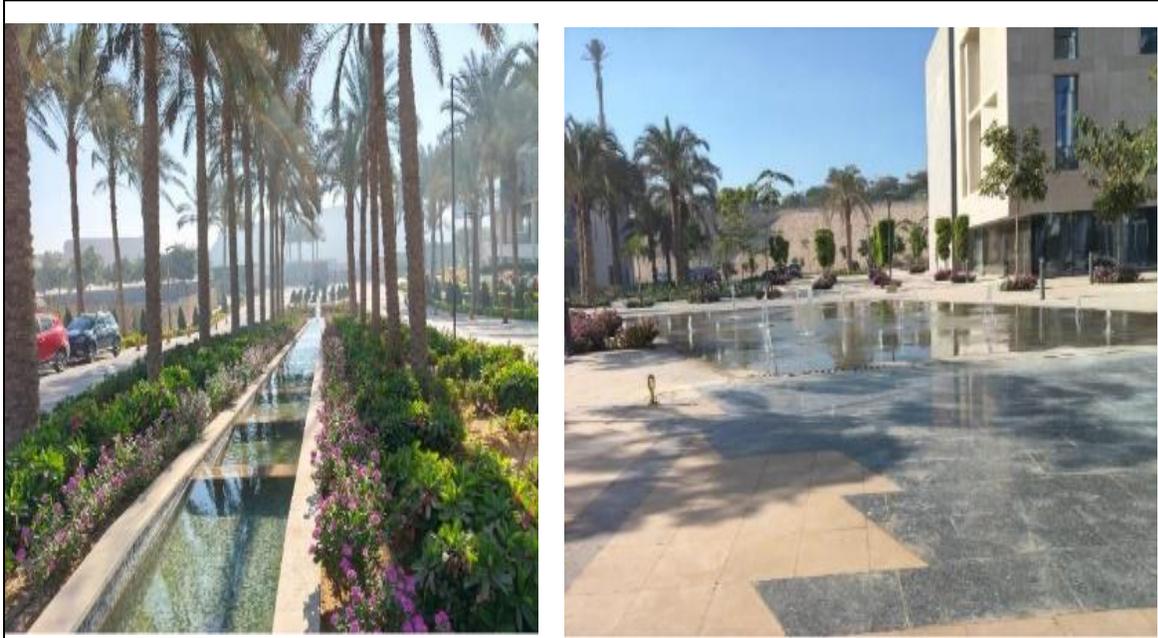


Bathroom for people with disabilities



Bathroom fan



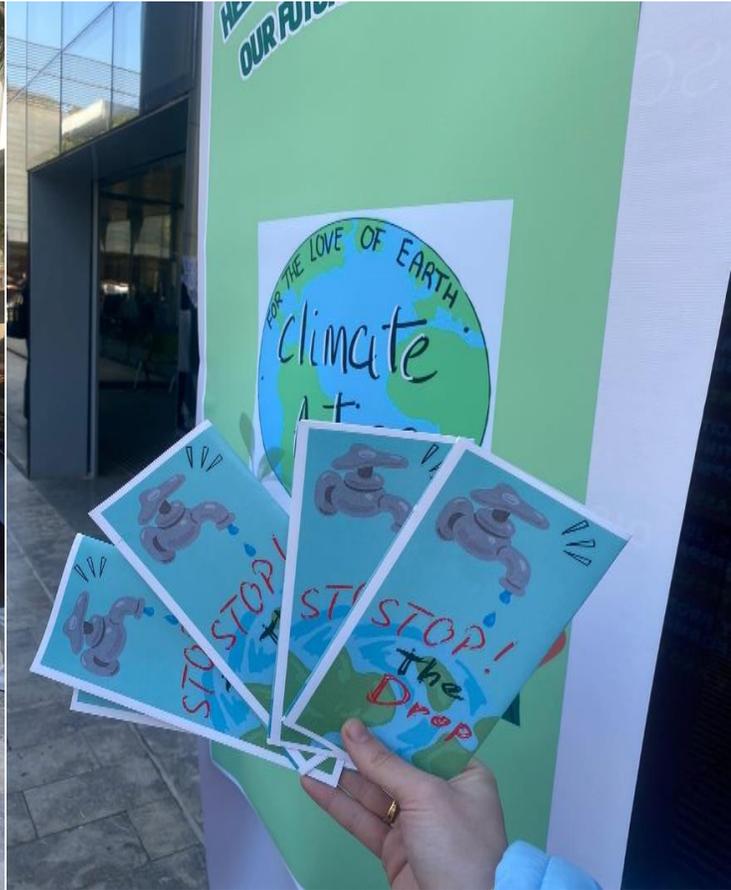


Drip Irrigation System & Recycled Water Fountains to Minimize Water Loss

2. School of Pharmacy (SOP)

“Stop The Drop” Water Conservation Awareness Campaign

- Organizer: Community Service Committee in collaboration with the SOP Climate Action Club
- Format: Hybrid (Online and Offline)
- Objective: Raise awareness about water conservation and rationalize water usage within NGU’s campus corridors
- Participants:
 - SOP faculty and teaching assistants
 - Students from multiple academic years
 -
- Activities:
 - Educational posters and digital content shared across campus and online platforms
 - Interactive sessions and discussions on water-saving techniques
 - Student-led demonstrations and peer-to-peer engagement
- Impact:
 - Strengthened awareness of water scarcity and individual responsibility
 - Encouraged behavioral change in daily water use among students and staff
 - Fostered collaboration between academic and extracurricular groups for environmental advocacy



3. School of Business and Finance (SOBF)

Participation in “Water Week Global: Conference

Dr. Yousra Allam, assistant professor of Marketing and Management at SOBF, participated in the **7th Cairo Water Week global conference** and the **9th Africa Water Week** through developing a national initiative for water preservation named “على القد” under the auspices of the Ministry of Water Resources and Irrigation. She collaborated in this initiative with various ministries, UNICEF and other organizations to implement a full-fledged campaign aiming to raise awareness about the significance of water conservation and highlighting the impacts of climate change on our water supply. The initiative provides various tools and sustainable practices to preserve water. Dr. Allam has also hosted highly influential media figures during the initiative launching session as they play a key role in disseminating information related to water sustainability.



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أسبوع القاهرة للمياه
7th Cairo Water Week
أسبوع أفريقيا للمياه
9th Africa Water Week

13th - 17th Oct 2024
Cairo - Egypt.

٢٠٢٤
مصر العربية

بنك مصر الزراعي
Agricultural Bank of Egypt

OrbScope

**A NATIONAL INITIATIVE
FOR WATER PRESERVATION**

**SCHOOL of
BUSINESS & FINANCE**

SDG Alignment & Impact

SDG 6: Clean Water and Sanitation

- NGU promotes water conservation through awareness campaigns and infrastructure management.
- Students and staff are engaged in sustainable water practices and hygiene education.
- The university fosters a culture of environmental stewardship and responsible resource use.

SDG 13: Climate Action

- Water conservation efforts contribute to broader climate resilience and sustainability goals.

Future Directions

- **Expand Campaign Reach:** Include more faculties and departments in future water awareness initiatives.
- **Introduce Water Audits:** Monitor water usage across campus to identify areas for improvement.
- **Launch Hygiene Education Programs:** Promote sanitation and hygiene practices among students and staff.
- **Collaborate with NGOs:** Partner with environmental organizations to support community-based water projects.



SDG 7: Affordable and Clean Energy

Overview

NGU supports **SDG 7: Affordable and Clean Energy**, which aims to ensure access to reliable, sustainable, and modern energy for all. NGU is committed to promoting energy efficiency, raising awareness about responsible energy use, and integrating sustainability principles into its campus operations. Through student-led initiatives, institutional practices, and sustainable building design, NGU fosters a culture of environmental responsibility and energy-conscious behavior.

Key Initiatives

1. Institutional Practices Commitment to Affordable & Clean Energy

- Implements **eco-friendly campus policies** to reduce carbon emissions and encourage sustainable transportation.
- Promotes the use of **electric cars** within campus grounds to lower fuel-related emissions.
- Incorporates **natural lighting strategies** in classrooms, studios, and corridors to minimize electricity use.
- Utilizes high-efficiency **HVAC and thermal absorption cooling systems** for optimal energy conservation.
- Ensures clean air circulation through advanced air conditioning and filtration systems.
- Stores and **manages gas cylinders safely** as part of clean energy infrastructure.
- Encourages energy-conscious behavior through awareness of renewable energy benefits and campus sustainability initiatives.
- The university promotes **digital learning platforms** and **paperless operations**, reducing indirect energy use associated with printing and logistics.

Electric cars



the Ventilation, Air Conditioning, and Air Filtration System



Chiller unit part of air conditioning system (HVAC) it cools water that circulates through the building to provide air conditioning via air handling unit

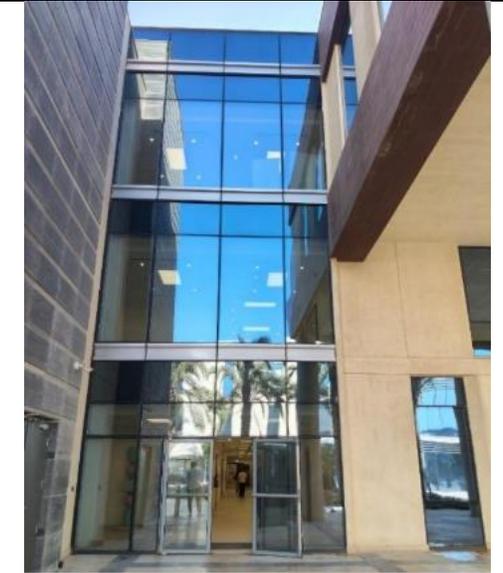


Chilled water supply and return pipes used in a HVAC (cooling) system. They carry cold water from the chiller to the handling units and return the warmer water back for re-cooling.



Storage area for gas cylinders as a clean energy and protected by a slatted metal barrier

Natural Lighting System





Natural lighting reduces dependence on artificial lighting and electricity consumption, promoting energy efficiency and clean energy use



Natural lighting in the Classrooms



Natural lighting in the offices

2. Student Engagement and Sustainability Culture

- NGU's **Climate Action Club** plays a key role in promoting clean energy awareness among students.
- SOP students actively participate in environmental campaigns that integrate energy conservation themes.
- NGU fosters a **cross-disciplinary approach** to sustainability, encouraging collaboration between different schools on energy-related projects and discussions.

3. School of Engineering (SOE) Building EDGE Certification

When NGU expanded its campus, the **SOE** building was designed and constructed to uphold the university's sustainability principles and environmental stewardship.

- In August 2022, the SOE building became **NGU's first EDGE-certified facility**.
- The design focused on minimizing environmental impact through the use of low-embodied-energy materials, external shading devices, and an energy-efficient cooling system.
- Low-flow plumbing fixtures were installed to further improve water and energy conservation.
- The building achieved the **EDGE Advanced Certificate**, demonstrating:
 - **46% reduction in energy consumption**
 - **54% reduction in water usage**
 - **30% reduction in embodied energy in construction materials**
- These resource-efficient measures were achieved without additional construction costs, delivering long-term operational savings and setting a benchmark for future sustainable developments at NGU.

THIS CERTIFIES THAT
NewGiza University (NGU)
Engineering Bldg B2
 HAS ACHIEVED AN
EDGE ADVANCED CERTIFICATE
 CERTIFICATE NUMBER
GP2-EGY-20121610099773

EDGE ADVANCED
 Exemplifying achievement in the following areas:

46%
 Energy Savings

54%
 Water Savings

30%
 Less Embodied Energy in Materials

82.06 tCO₂/year
 Operational CO₂ Emissions
 65.75 tCO₂/year
 Operational CO₂ Savings

DEVELOPED BY
NewGiza for Real Estate Development
 CERTIFIED BY
Green Business Certification Inc. (GBCI)

Peter Templeton
 Peter Templeton, President and CEO
 DATE OF ISSUE: 25-AUG-2022

WORLD BANK GROUP
 THE WORLD BANK IFC International Finance Corporation

GBCI GREEN BUSINESS CERTIFICATION INC.

THIS CERTIFIES THAT
NewGiza University (NGU) , Engineering Bldg B2
 Cairo,
 Egypt

DEVELOPED BY
NewGiza for Real Estate Development

HAS ACHIEVED AN
EDGE ADVANCED CERTIFICATE

CERTIFICATE NUMBER
GP2-EGY-20121610099773

WAS AUDITED BY
Karim Farah
 EDGE Software Version: v2.1.1

CERTIFIED BY
Green Business Certification Inc. (GBCI)

Peter Templeton
 Peter Templeton, President and CEO

GBCI GREEN BUSINESS CERTIFICATION INC.

DATE OF ISSUE
 25-AUG-2022

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The EDGE standard requires 20% efficiencies in energy, water and materials compared to a local benchmark. Predicted efficiencies are not a guarantee of future operational performance. Energy savings may be associated with virtual energy for control depending on the presence of heating and cooling systems. Virtual energy does not contribute savings to utility bills.

This certificate is issued by the Certifier based on information provided by the client and the audit by the Auditor, and is subject to the terms and conditions of the Certifier. Contact edge@gbci.org if the above measures are not consistent with your observations on the project.

EDGE
 Excellence In Design For Greater Efficiencies

ENERGY MEASURES
 Reflective Roof
 Insulated Roof
 Insulated Exterior Walls
 High-performance Glass
 Efficient Cooling System
 Variable Speed Drive Fans in Cooling Towers
 Variable Speed Drive Pumps
 Exhaust Air Heat Recovery
 Efficient Interior Lighting
 Efficient Exterior Lighting

WATER MEASURES
 Water-efficient Faucets in Bathrooms
 Efficient Water Closets
 Water-efficient Urinals
 Water-efficient Faucets in Kitchen
 Waste Water Treatment and Recycling System

MATERIALS
 Material-efficient Floor Slabs - In-Situ Reinforced Concrete Slab
 Material-efficient Roof Slab - In-Situ Reinforced Concrete Slab
 Material-efficient Exterior Walls - Curtain Walling (Opaque Element)
 Material-efficient Exterior Walls - Stone Profile Cladding
 Material-efficient Interior Walls - Plasterboards on Metal Studs
 Material-efficient Interior Walls - Medium Weight Hollow Concrete Blocks
 Material-efficient Flooring - Vinyl Flooring
 Material-efficient Flooring - Ceramic Tile

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GBCI GREEN BUSINESS CERTIFICATION INC.

Fig.1 EDGE certificate effective August 2022 for 3 years

SDG Alignment & Impact

SDG 7: Affordable and Clean Energy

- NGU promotes energy efficiency through awareness campaigns, infrastructure upgrades, and sustainable building design.
- Students and staff actively engage in energy conservation practices and sustainability education.
- The SOE's EDGE certification represents a tangible institutional achievement in sustainable construction and energy optimization.

SDG 13: Climate Action

- Energy conservation and sustainable design directly contribute to **reducing carbon emissions** and **enhancing climate resilience** across campus.

Future Directions

- **Launch Dedicated Energy Campaigns:** Develop student-led initiatives focused solely on clean energy, renewable energy education, and energy efficiency.
- **Conduct Energy Audits:** Monitor and assess energy usage across campus to identify further efficiency opportunities.
- **Integrate Renewable Energy:** Explore the installation of solar panels and other renewable sources for campus operations.
- **Collaborate with Industry:** Partner with clean energy companies for joint workshops, research collaborations, internships, and pilot projects.

SDG 8: Decent Work and Economic Growth

Overview

NGU actively supports **SDG 8: Decent Work and Economic Growth**, which promotes sustained, inclusive, and sustainable economic growth, full and productive employment, and decent work for all. NGU fosters employability, entrepreneurship, and professional development through strategic partnerships, hands-on training, and career readiness programs across its schools.

Key Initiatives

1. Institutional Practices commitment to Decent Work & Economic Growth

- Employs a diverse academic staff including professors, associate professors, lecturers, experts, and teaching assistants.
- Ensures fair employment practices that promote inclusivity and equal opportunities for all staff members.
- Encourages technological innovation and entrepreneurship within the creative and design sectors.
- Implements transparent performance appraisal systems to maintain accountability and professional growth.
- Provides continuous training and lifelong learning opportunities for academic and administrative personnel.
- Promotes stable employment and career development to ensure long-term institutional sustainability.
- Contributes to sustainable economic growth by linking creative education with industry and cultural development.

2. School of Economics and Politics (SOEP)

2.1. Professional Internships

SOEP strengthens the link between education and the labor market through practical training and exposure to real-world economic and political contexts. Students participated in:

- **Ezz Steel (2023):** Internship for five economics students, providing insights into industrial economics and corporate operations.
- **League of Arab States (2024):** Summer program offering exposure to regional diplomacy and governance.
- **GRACE & UNODC (2024):** Anti-corruption training in collaboration with the United Nations Office on Drugs and Crime.



2.2. Career Fair – NGU Connect

NGU's annual career fair facilitates direct engagement between students and top employers, including:

- Banque Misr
- Vodafone
- Orange
- CIB
- Arab African Bank
- Ezz Steel



2.3. Strategic Partnerships

Competition Protection Agency: Hosted an introductory lecture on October 19, 2023, promoting awareness of fair market practices and economic regulation.

2.4. Financial Literacy Training

Egyptian Stock Exchange (EGX): Delivered specialized sessions covering:

- o Market dynamics
- o Stock data interpretation
- o Responsible financial engagement



3. School of Business and Finance (SOBF)

3.1. Industry Networking Event

SOBF organized the successful **NGU Connect 2024** event, connecting students with a diverse range of leading companies — including **CIB, Ezz Steel, Emirates NBD, and Banque Misr** — to explore internship and employment opportunities and enhance students’ career readiness.



3.2. Financial Sector Professional Development

The school signed a **Memorandum of Understanding (MOU)** with the **Egyptian Banking Institute (EBI)** and a **Collaboration Protocol** with **Emirates NBD–Egypt**, providing NGU students with tailored career counseling, internship opportunities, and specialized resources in the banking and finance sector.



3.3. Faculty Expertise

Dr. Noha Hassan, a faculty member at SOBF, serves as a **non-executive board member at Beltone SME**, ensuring that practical industry experience directly informs the school’s academic programs and enhances their alignment with market needs.



newgizauniversity

We are proud to highlight Dr. Noha Hassan, Assistant Professor at NGU's School of Business and Finance, who represented our university at the prestigious CEO Women Conference (Third Edition). Hosted by the Women on Boards Observatory (WoB), this event brought together exceptional women leaders driving change across industries.

Dr. Hassan's participation reflects NGU's commitment to fostering leadership, innovation and excellence. Her insights, passion and dedication continue to inspire our community as we champion empowerment and progress.

Here's to celebrating women breaking boundaries and shaping the future! 🌟

#NGU #NewgizaUniversity #WomenInLeadership #CEOWomenConference #Empowerment #Innovation #LeadershipExcellence #WoB #BreakingBoundaries #WomenInBusiness #NGULeaders #ShapingTheFuture #WomenInspiration

48w

Liked by zeinaaly6 and 112 others
November 18, 2024

Add a comment... Post

4. School of Pharmacy (SOP)

SOP actively prepares students for the labor market through structured training, internships, and strong engagement with the pharmaceutical and healthcare industries.

- **4.1. Training & Internship Institutions**

- Eva Pharma
- Novartis
- Amoun Pharmaceutical Company
- Global Health Development (GHD)
- Egyptian Drug Authority (EDA)
- Ministry of Health and Population
- National Cancer Institute
- Dar Al Fouad Hospital
- Cleopatra Hospital Group
- El Gouna Hospital
- New Giza University Hospital
- Roche Pharmaceuticals
- AbbVie
- Pharco Pharmaceuticals
- Al Mokhtabar Labs
- El Ezaby Pharmacies
- Rameda Pharmaceuticals
- Ain Shams University Hospitals
- Cairo University Hospitals
- Misr International Hospital
- Nile Scan Radiology Center



4.2. Professional Development Activities

- **Workshops and Seminars:** Covering pharmaceutical industry trends, clinical practice, and regulatory affairs
- **Soft Skills Training:** Focused on communication, teamwork, and leadership development
- **Career Orientation:** Guidance on career paths in clinical pharmacy, research, regulatory affairs, and pharmaceutical marketing

Impact

- Students gain hands-on experience in diverse healthcare and pharmaceutical settings.
- Exposure to both public and private sector institutions enhances employability.
- SOP fosters a strong link between academic learning and professional practice.





5. School of Dentistry (SOD)

SOD supports SDG 8 through a robust framework of staff development, research, and community engagement.

5.1. Staff Development and Training

The QAU Training and Development Committee implemented an **Annual Training Plan (AY 2023/2024)** including:

- SBA writing and OSPE execution
- Clinic ethics and patient recruitment systems
- QR code attendance and electronic question banks
- Research skills: search strategies, plagiarism tools, citation methods

- Soft skills: conflict management, English, and computer literacy
- First aid training for administrative staff

QAU Training and Development Committee						
Annual training Plan						
Academic Year 2023-2024						
No	Goal	Lecture/work shop	Responsibility	Time frame	Performance/ outcome measure	Targeted attendees
1	Effective SBA Writing	SBA Writing 1	Dr Kareem El Mahdy Associate Prof.Dr. Alaa Nawwar	September 2023 Before starting the academic year	Feedback questionnaire	Leaders and all academic staff
2	Effective OSPE Production, and Execution	OSPE 1 for staff and TAs	Dr Mohamed Ghanem	September 2023 Before the start of the academic year	Feedback questionnaire	Leaders and all academic staff
		OSPE 2 for Staff	Dr Mohamed Ghanem			
3	Efficient Disciplined Clinics	Clinic ethics, TAs role and responsibilities	Dr Soliman Tawfiq Clinic manager	September 2023 Before the start of the academic year to orient the newcomers	Feedback questionnaire	All junior staff
5	Updating the patient recruitment system Awareness	Introducing Tongue platform	Prof. Dr Mohamed Khalifa	September 2023 before starting the academic year to orient	Feedback questionnaire	Leaders and all academic staff

5.2 Community Engagement

Dental Convoys: Interns participated in outreach programs, enhancing clinical skills while serving local communities.

Research and Innovation: Faculty produced a significant number of publications in international journals, contributing to academic excellence and global knowledge exchange.

Human Resources Development: Transparent reporting of staff distribution, training, and workload across academic, technical, and administrative roles.

6. School of Information Technology (SOIT)

6.1. Valeo Roadshow Program

In partnership with IEEE, SOIT and SOE hosted “**The Valeo Roadshow**” program to upskill students in embedded Linux and the cutting-edge realm of AI. Valeo’s experts who shared their insights, enhancing the students’ skills and knowledge in various technological aspects.

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<p>NEWGIZA UNIVERSITY NGU. SCHOOL of INFORMATION TECHNOLOGY SCHOOL of ENGINEERING IEEE IEEE SAC EGYPT</p> <p>Pleasure of Learning 16623 ngu.edu.eg</p>	<p>NEWGIZA UNIVERSITY NGU. SCHOOL of INFORMATION TECHNOLOGY SCHOOL of ENGINEERING IEEE IEEE SAC EGYPT</p> <p>Pleasure of Learning 16623 ngu.edu.eg</p>	



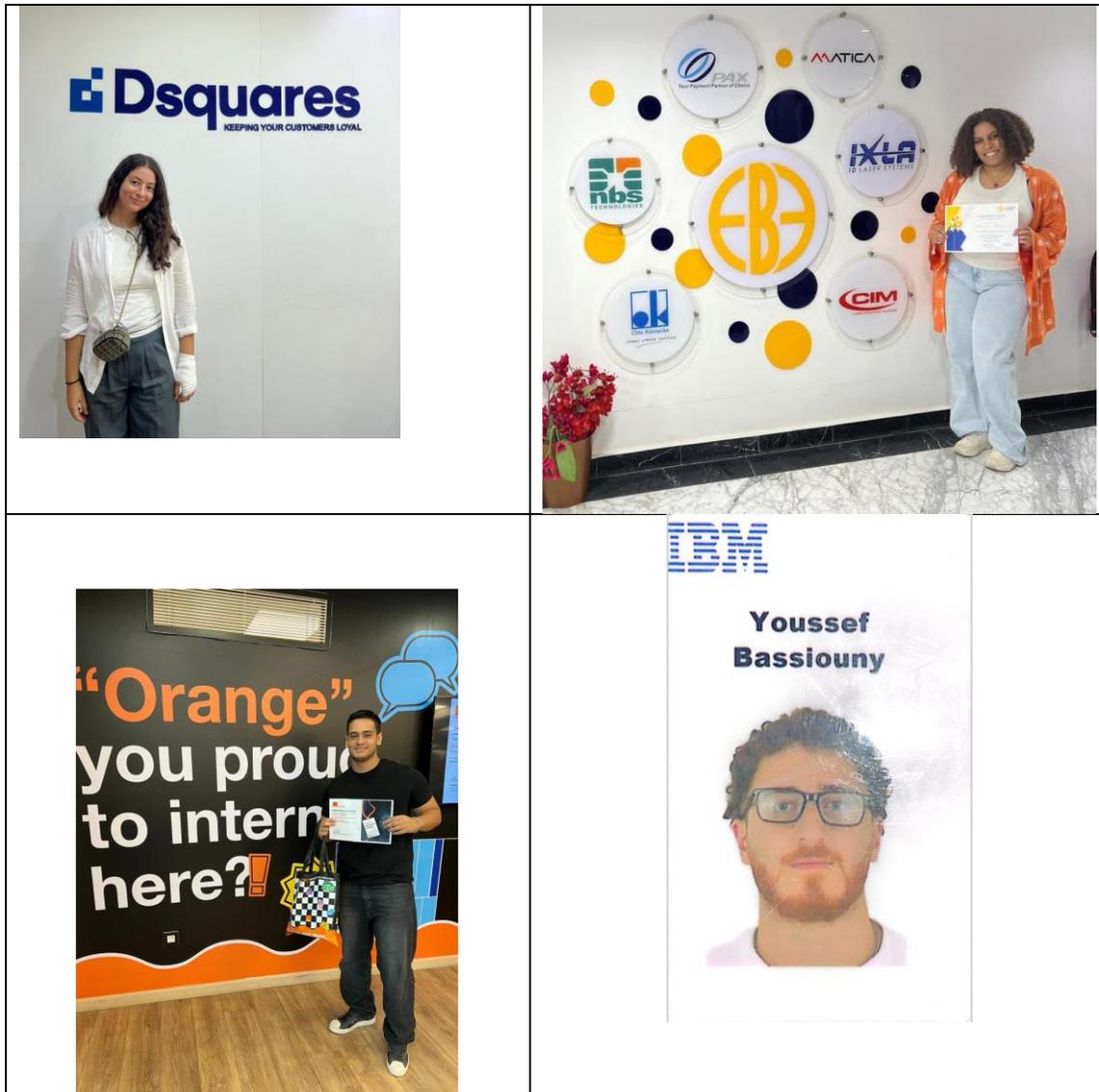
6.2. Graduation projects 24

SOIT talented graduating seniors presented and defended their innovative project, **StyleSphere**, a full-fledged e-commerce mobile app designed to support local brands and thrifting. This app features cutting-edge AI capabilities, including virtual try-ons, a fashion expert chatbot, and a product recommendation engine.



6.3. Student Internships

SOIT students have interned at top IT companies in Egypt including IBM, Microsoft, Vodafone, Orange, WE, RAYA, Nawy, Dsquares, Darwin AI, Lipton, EFG Hermes, Optomatica, and Student Gator.



6.4. Employability Data

Summer 2024 has witnessed graduation of our inaugural class where SOIT graduates have secured jobs in Nawy, Optimatica. One has pursued a Master's in cyber security in Ireland.

SDG Alignment & Impact

SDG 8: Decent Work and Economic Growth

- NGU equips students with practical skills, internships, and direct career exposure.
- Faculty and staff benefit from continuous professional development and training.
- Strategic partnerships with industry enhance employability and economic participation.

SDG 4: Quality Education

- Career readiness and employability skills are embedded within academic programs to ensure alignment with labor market needs.

SDG 9: Industry, Innovation, and Infrastructure

- NGU fosters innovation and entrepreneurship through research, training, and collaboration with leading industries.

Future Directions

- **Expand Internship Programs:** Broaden partnerships across sectors and geographic regions.
- **Enhance Career Services:** Introduce personalized career coaching and alumni mentorship.
- **Promote Entrepreneurship:** Launch incubators and startup support for student-led ventures.
- **Monitor Outcomes:** Track graduate employment rates and long-term career progression to guide continuous improvement.



SDG 9: Industry, Innovation, and Infrastructure

Overview

NGU actively supports **SDG 9: Industry, Innovation, and Infrastructure**, which promotes inclusive and sustainable industrialization, fosters innovation, and enhances infrastructure to support economic development and human well-being. Across its schools, NGU cultivates a culture of research, technological advancement, and institutional excellence. Through interdisciplinary collaboration, digital transformation, and student-led innovation, NGU ensures that its academic environment remains responsive to global challenges and future-ready.

Key Initiatives

1. Institutional Practices commitment to Infrastructure

In alignment with the principles of inclusive and sustainable industrialization, NGU demonstrates its commitment to innovation and environmental responsibility through campus-wide design and construction practices. This institutional commitment is reflected in NGU's adoption of green building standards, including the strategic use of glass walls that optimize energy performance and natural illumination. These architectural choices not only reduce operational energy consumption but also embody the university's broader vision for sustainable infrastructure. As part of its collaborative efforts to advance sustainable infrastructure, NGU partnered with **Commercial International Bank (CIB)** and the **International Finance Corporation (IFC)** to qualify for the **EDGE Advanced Green Building Certification** for Building D, which hosts the School of Engineering (SOE) and the School of Information Technology (SOIT). This milestone, achieved under the Green Bonds and Sustaining Sectors Programs, recognizes NGU's leadership in resource-efficient construction and positions the university as a national model for sustainable campus development. Through such partnerships, NGU continues to foster innovation across disciplines, supporting SDG 9 by integrating sustainability into both its physical environment and academic culture.



SCHOOL of INFORMATION TECHNOLOGY SCHOOL of ENGINEERING

Edge Excellence in Design for Greater Efficiencies Certified NGU-Building D as:

- 46% Energy Saving
- 54% Water Saving
- 30% Less Embodied Energy in Materials

Edge Excellence in Design For Greater Efficiencies

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2. School of Economics and Politics (SOEP)

2.1. Research and Innovation

- Faculty publications explore cutting-edge topics such as **FinTech**, **internet costs**, and **e-commerce**, contributing to the discourse on digital infrastructure and sustainable financing.
- Student-led projects include a **Metaverse film** and **simulation activities** during the KCL visit, showcasing creative approaches to understanding global systems.



2.2. Infrastructure for Experiential Learning

- SOEP integrates simulation-based learning, expert lectures, and interdisciplinary seminars to bridge theory with practice.
- The newly established **Scientific Seminar Committee** provides a platform for advanced academic discourse and research dissemination.

3. School of Dentistry (SOD)

3.1. Diagnostic Infrastructure

- **Histopathology Services:** Biopsy and microscopic examination of oral lesions are conducted in collaboration with Cairo University's Dental Research Unit, supporting early diagnosis and treatment planning.
- Plans are underway to establish NGU's own histopathology lab, enhancing institutional diagnostic capacity.

3.2. Digital Transformation in Education

- The QAU Training and Development Committee implemented workshops on:
 - Speedwell electronic question bank handling
 - QR code attendance systems
 - Moodle platform orientation
- These initiatives modernize academic infrastructure and streamline educational delivery.

3.3. Clinical Infrastructure and Digital Systems

- SOD activated the **ToNGUe digital patient management system**, enhancing clinical documentation and operational efficiency.
- SOD offers biopsy and histopathology services in partnership with Cairo University's Dental Research Unit, supporting diagnostic innovation until NGU's own lab is established.

3.4. Research and Publication

- Faculty members contributed to peer-reviewed publications in regenerative dentistry, prosthodontics, and COVID-related oral health research, advancing NGU's scientific footprint.

4. School of Pharmacy (SOP)

4.1. Sustainable Innovation

- Workshops on **Green Pharmacy** and **Climate-Health Preparedness** promote sustainable pharmaceutical practices and environmental stewardship.
- Research initiatives focus on **eco-friendly chemical processes**, **green chemistry**, and **sustainable drug delivery systems**, aligning health innovation with environmental goals.



4.2. Awareness Through Technology

- SOP students and faculty produced educational **videos, apps, and web platforms** addressing climate change, oral pathology, and sustainable healthcare.
- These digital tools enhance public engagement and reflect NGU's commitment to accessible, tech-enabled education.

5. School of Business and Finance (SOBF)

5.1. Sustainability and FinTech Research

- SOBF hosted NGU's **First Scientific Conference on Management, Sustainability, Marketing, and Finance** (Jan 2024), featuring research on:
 - Green packaging using sugarcane bagasse-based tableware
 - Urban vs. rural perspectives in climate change



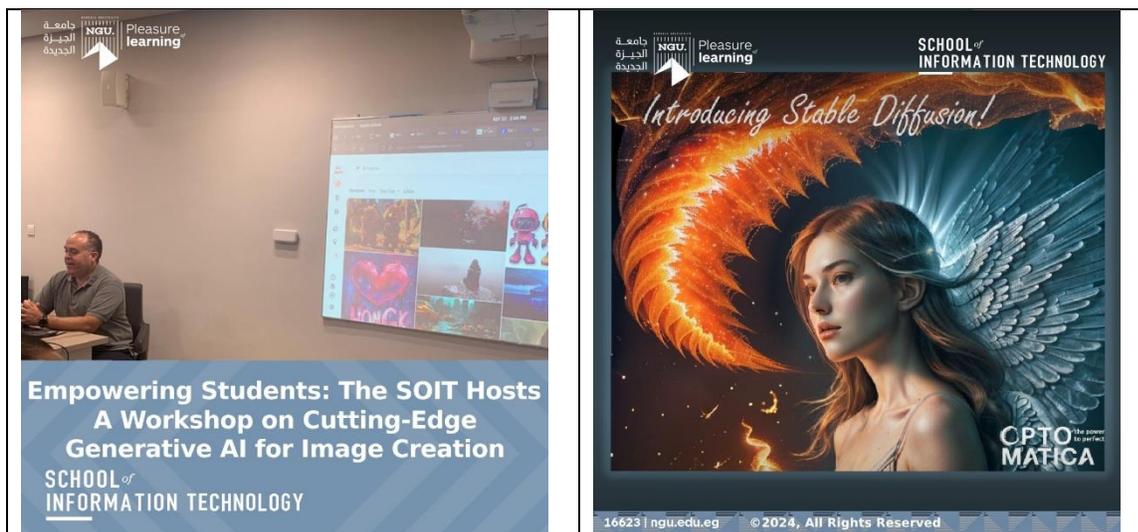
- SOBF actively participates in the **Central Bank of Egypt’s FINYOLOGY – FinTech for Youth** initiative, embedding FinTech innovation into business curricula.



6. School of Information Technology (SOIT)

6.1. Innovation workshops with Optomatica

SOIT hosted a workshop for its third and fourth-year students, delving into diffusion models and their applications in image generation. The workshop was led by **Dr. Mohammed El-Beltagy**, CEO of **Optomatica**, the company behind the Middle East's first AI-driven music video featuring superstar Mahmoud El Esseily. During the workshop, students gained both theoretical knowledge and practical skills in diffusion models.



6.2. Bridging Technology to Marketing

In the Marketing Principles module, SOIT students explored the intersection of technology and marketing. Their comprehensive marketing plans showcase their ingenuity and strategic thinking. By embracing marketing principles, students have gained a deeper understanding of effective communication and connecting with target audiences. Marketing bridges the gap between IT and consumer needs, showcasing the value of technological innovations. With their expertise, these students are poised to make a lasting impact as IT professionals.



6.3. World Robot Olympiad

SOIT hosted the prestigious “**World Robot Olympiad Egypt**” which dates back to 2011, stands as one of Egypt's oldest and most revered robotics contests. The World Robot Olympiad is distinguished by its high level of technical proficiency, requiring participants to be well-versed in cutting-edge technologies.

A promotional poster for the World Robot Olympiad (WRO) Egypt 2023. The background is a deep red with a subtle grid pattern. In the center, an illustration shows four people working at a table with a robot. The text is white and pink. Logos for NewGiza University and the WRO are in the top corners. The main text reads: 'We are glad to announce that NewGiza University is Hosting World Robots Olympiad™'. The date is 'Saturday 5th August' and the website is '16623 ngu.edu.eg'.

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We are glad to announce that
NewGiza University
is **Hosting**
World Robots Olympiad™

Saturday
5th August

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SDG Alignment & Impact

SDG 9: Industry, Innovation, and Infrastructure

- NGU fosters innovation through interdisciplinary research, student-led projects, and sustainable practices.
- Investment in digital platforms, diagnostic services, and experiential learning strengthens institutional infrastructure.
- NGU promotes innovation through digital systems, clinical modernization, and FinTech education.
- Faculty research and student projects contribute to sustainable industrial practices and infrastructure development.

SDG 4: Quality Education

- Innovative teaching methods and digital transformation enhance learning outcomes and prepare students for future challenges.
- Research dissemination and experiential learning enhance academic excellence and innovation capacity.

SDG 13: Climate Action

- Green pharmacy and eco-conscious research contribute to climate resilience and sustainable industrial practices.

Future Directions

- **Establish Histopathology Lab:** Enhance diagnostic infrastructure within SOD.
- **Expand Green Innovation:** Integrate sustainability modules across curricula and research.
- **Promote Student-Led Research:** Support interdisciplinary projects that address real-world challenges.
- **Strengthen Digital Infrastructure:** Invest in smart learning platforms and data-driven academic systems. Upgrade clinical and lab systems across schools.
- **Launch Innovation Labs:** Support interdisciplinary projects in FinTech, health tech, and sustainability.
- **Track Research Impact:** Monitor research-to-implementation conversion rates and innovation outcomes.



SDG 10: Reduced Inequalities

Overview

NGU is committed to advancing **SDG 10: Reduced Inequalities**, which aims to empower and promote the social, economic, and political inclusion of all, irrespective of age, gender, ethnicity, or background. NGU fosters a diverse and inclusive academic environment across its schools, ensuring equitable access to education, international exposure, and leadership opportunities. Through targeted support programs, global engagement, and inclusive governance, NGU actively works to reduce disparities and promote social mobility. Moreover, NGU fosters equity through scholarships, inclusive governance, and international representation. Student-led initiatives and outreach programs ensure access to education, healthcare, and leadership opportunities for underserved communities.

Key Initiatives

1. Institutional Practices commitment to Reduced Inequality

NGU welcomes learners from a wide range of cultural and national backgrounds, the university ensures equitable access to quality education and encourages meaningful cross-cultural exchange. This approach not only enriches the academic environment but also reflects NGU's broader mission to reduce inequalities within and among countries. Through inclusive admissions policies, intercultural programming, and student support systems, NGU continues to build a campus culture rooted in diversity, empathy, and global citizenship.

Statistics of Non-Egyptian Students at New Giza University

Non-Egyptian	School Of Medicine	School Of Dentistry	School Of Business and Finance	School Of Pharmacy	School Of Economics and Politics	School of Engineering	School Of Arts and Design	School Of Information Technology	Total
Gender	29	14	13	3	4	4	9	4	79
F	16	9	2	3	3	3	8	1	43
M	13	5	11	0	1	1	1	3	36
Total	29	14	13	4	4	4	9	4	79

2. School of Dentistry (SOD)

2.1. Inclusive Admissions and Scholarships

- SOD welcomes students from diverse nationalities and backgrounds, cultivating a culturally rich learning environment.
- Scholarships are offered to international students, reducing financial barriers and promoting equal access to quality education.

2.2. Community Outreach

- Medical convoys and free dental services extend care to underserved populations, promoting health equity.
- Transportation is provided for patients from remote areas, ensuring access to treatment regardless of geographic or economic constraints.

3. School of Pharmacy (SOP)

3.1. Climate Advocacy and Youth Representation

- Student Alaa Abdel-Gawad represented Egypt at **COP27 and COP28**, advocating for youth inclusion in climate negotiations and policy dialogues.
- As a **junior negotiator**, she focused on technology transfer and just transition, amplifying voices from the Global South.



3.2. Sustainable Fashion for Donations

- SOP students organized a **Winter Clothes Recycling Fair**, collecting and distributing 100 gently used clothing items. The initiative promoted sustainable fashion and supported members from various socioeconomic backgrounds.



3.3. Climate Minds Global Engagement

- Alaa Abdel-Gawad also served as **Youth Ambassador for North Africa and West Asia** at the **Connecting Climate Minds** event in Barbados, contributing to global mental health and climate policy agendas.

4. School of Economics and Politics (SOEP)

4.1. Academic Support and Equity

- The **TASB program** provides personalized academic assistance to struggling students, promoting equitable learning outcomes.

4.2. International Representation

- Students like **Layla Gamal** and **Mariam Youssef** participated in the **World Youth Festival in Russia**, fostering cross-cultural understanding and inclusivity.
- **Yousif Sherif** represented Egyptian youth at the **Council of Arab Youth and Sports Ministers**, contributing to regional policy dialogues.
- **Youssef Samaaha** participated in the **Forbes 30 Under 30 Summit Africa** in Botswana, engaging with young entrepreneurs and global change-makers. His involvement highlighted NGU's commitment to youth empowerment, innovation, and inclusive representation on international platforms.



4.3. Human Rights and Governance

- The **Human Rights Club**, founded by Dr. Hoda Shaltout, promotes awareness and advocacy for marginalized groups.
- Participation in the **Arab Youth Parliament Simulation** and internships at the **League of Arab States** empower students to engage in inclusive governance and policy-making.



4.4. Civic Engagement

- Students led a **Presidential Elections Awareness Campaign**, encouraging youth participation and civic responsibility.

4.5. Sports and Inclusion

- In a session of the “Democracy, Development and Human Rights” course, student **Mahmoud Arafa** co-led a lecture on **sports as a human right**, linking physical activity to values of inclusion, equality, and non-discrimination.

SDG Alignment & Impact

SDG 10: Reduced Inequalities

- NGU promotes inclusion through scholarships, student support programs, and international representation.
- Outreach initiatives and staff-focused activities reduce disparities within the campus community.

SDG 4: Quality Education

- Equitable access to academic resources and experiential learning ensures inclusive education for all.

SDG 16: Peace, Justice, and Strong Institutions

- Student engagement in governance and human rights advocacy strengthens institutional inclusivity and accountability.

SDG 17: Partnerships for the Goals

- Collaborations with international organizations and regional bodies amplify marginalized voices and foster global equity.

Future Directions

- **Expand Scholarship Programs:** Increase support for international and underserved students.
- **Strengthen Inclusive Governance:** Promote student participation in decision-making and policy development.
- **Enhance Outreach:** Broaden the reach of community service and staff support initiatives.
- **Monitor Equity Metrics:** Track representation, access, and outcomes across academic



SDG 11: Sustainable Cities and Communities

Overview

NGU supports **SDG 11: Sustainable Cities and Communities**, which aims to make cities inclusive, safe, resilient, and sustainable. NGU fosters environmental responsibility, community engagement, and urban sustainability through student-led initiatives, public awareness campaigns, and inclusive outreach programs. Across its schools, NGU integrates sustainability into campus life and extends its impact to surrounding communities, promoting responsible consumption, equitable access to services, and climate-conscious urban practices.

Key Initiatives

1. Institutional Practices commitment to Sustainable Cities

NGU integrated the sustainability principles into campus development, academic programs, and its broader design philosophy, emphasizing green architecture, renewable energy integration, and innovative environmental design practices. These efforts contribute to the creation of inclusive, safe, resilient, and sustainable environments, positioning NGU as a model for responsible design education aligned with national and global sustainability objectives. A key institutional action includes the development of **extensive landscaped zones** across the university grounds, featuring **fountains, trees, and natural vegetation**. This green infrastructure enhances campus livability, supports biodiversity, and reinforces NGU's vision of a sustainable learning environment that harmonizes built and natural systems.

Extensive landscaped zones with fountains and natural vegetation across the university grounds





2. School of Pharmacy (SOP)

2.1. Sustainable Fashion and Waste Reduction

- SOP students organized a **Winter Clothes Recycling Fair**, collecting and redistributing 100 gently used clothing items. This initiative promoted **sustainable fashion**, reduced textile waste, and supported community inclusion.



2.2. Climate Action and Urban Resilience

- SOP students participated in **COP27 and COP28**, contributing to global dialogues on urban sustainability, just transition, and technology transfer.
- The **Climate Action Club** hosted events like:
 - **“Plant for the Planet”**: Freshmen planted basil and fenugreek on orientation day to raise awareness about climate change and urban greening.



- **Christmas Carnival:** Students built a Christmas tree from recycled plastic bottles, demonstrating creative reuse and waste management.



2.3. Public Awareness Campaigns

- Educational videos such as “What does a world that is 3°C warmer look like?” and “How can you help with climate change?” addressed urban vulnerability and community-based solutions.
- Faculty and students participated in “Care for Every Breath”, a conference highlighting the impact of climate change on respiratory health in urban environments.



3. School of Dentistry (SOD)

3.1. Community Dental Services

- SOD provides **free treatment and awareness sessions** at NGU Dental Clinics and Hospital, with transportation offered to patients from remote and underserved areas.
- Medical waste is managed in compliance with the Ministry of Health and Environmental Affairs, ensuring environmental safety and public health.

3.2. Mobile Dental Clinics

- During medical convoys, SOD deployed **mobile dental units** to deliver care directly to communities, enhancing access to health services in urban and peri-urban settings.

4. School of Economics and Politics (SOEP)

4.1. Urban Policy and Governance

- Students participated in the **Arab Youth Parliament Simulation** and internships at the **League of Arab States**, contributing to policy dialogues on sustainable development and urban governance.
- SOEP hosted lectures on **crisis and risk management**, emphasizing proactive strategies for building resilient institutions and communities.

4.2. Experiential Learning

- Educational visits to the **Egyptian Stock Exchange** and **League of Arab States** provided students with insights into the infrastructure and governance systems shaping urban economies.



SDG Alignment & Impact

SDG 11: Sustainable Cities and Communities

- NGU promotes urban sustainability through recycling initiatives, mobile health services, and climate advocacy.
- Students and faculty engage in activities that enhance urban resilience, inclusivity, and environmental stewardship.

SDG 13: Climate Action

- Awareness campaigns and student participation in global climate forums contribute to climate-resilient urban planning.

SDG 3: Good Health and Well-being

- Mobile clinics and public health education improve access to care and promote healthier urban communities.

SDG 12: Responsible Consumption and Production

- Recycling drives and sustainable fashion events encourage mindful consumption and waste reduction.

Future Directions

- **Expand Mobile Services:** Increase deployment of mobile clinics and outreach programs in urban and peri-urban areas.
- **Launch Urban Sustainability Workshops:** Educate students and staff on sustainable living practices and urban resilience.
- **Strengthen Climate-Health Integration:** Link environmental awareness with public health initiatives.
- **Monitor Impact:** Track participation, outreach reach, and environmental outcomes of sustainability campaigns.

SDG 12: Responsible Consumption and Production

Overview

NGU is committed to **SDG 12: Responsible Consumption and Production**, which promotes sustainable resource use, waste reduction, and environmentally sound practices. NGU integrates sustainability into campus operations, student activities, and academic programs, encouraging conscious consumption and eco-friendly innovation. Through awareness campaigns, recycling initiatives, and green research, NGU fosters a culture of responsibility that extends from the classroom to the community.

Key Initiatives

1. School of Pharmacy (SOP)

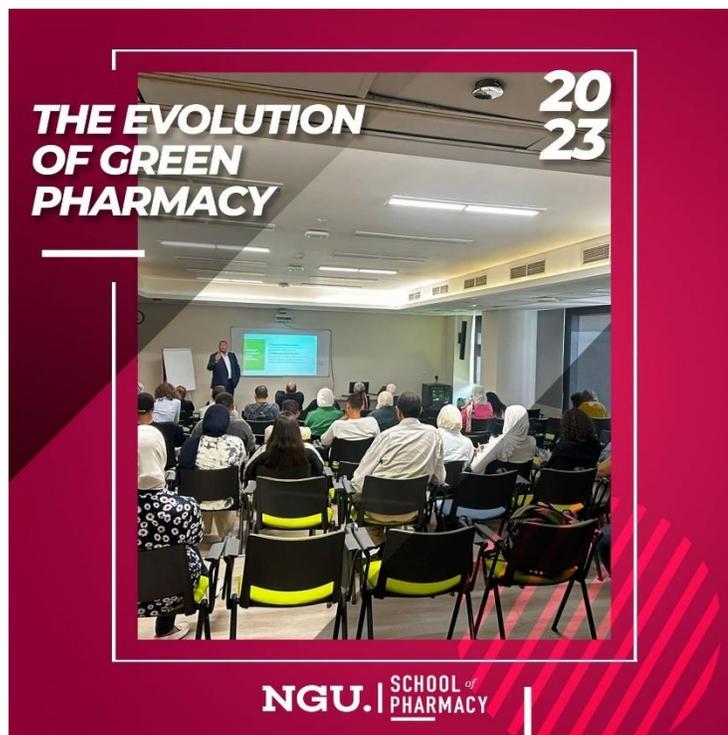
1.1. Sustainable Fashion and Waste Reduction

- SOP students organized a **Winter Clothes Recycling Fair**, collecting and redistributing 100 gently used clothing items to university staff. This initiative promoted **sustainable fashion**, reduced textile waste, and encouraged circular consumption models.



1.2. Green Pharmacy and Eco-Conscious Practice

- The **Green Pharmacy Workshop**, led by Prof. Osama Hussein, emphasized minimizing pharmaceutical waste, conserving energy, and integrating sustainability into drug production and distribution.
- SOP's **Ecofriendly Team** actively promotes recycling, energy conservation, and sustainable habits across campus.



1.3. Climate Awareness Campaigns

- Educational videos such as “**How can you help with climate change?**” and “**70% Decline in Animal Populations since 1970**” highlight the environmental consequences of unsustainable consumption and advocate for behavioral change.

2. School of Dentistry (SOD)

2.1. Medical Waste Management

- SOD ensures proper disposal of medical waste through a certified environmental services company, in compliance with Ministry of Health and Environmental Affairs guidelines.
- This practice supports safe, responsible handling of hazardous materials and protects both public health and the environment.

2.2. Community Dental Services

- Free treatment and awareness sessions are provided at NGU Dental Clinics and Hospital, with educational leaflets promoting responsible health practices and informed consent.

3. School of Economics and Politics (SOEP)

3.1. Research on Sustainable Development Financing

- Faculty publications explore the role of **FinTech** and **sustainable financing** in achieving SDGs, including responsible production and consumption.
- Students engage in projects that examine the economic dimensions of sustainability, including market regulation and ethical consumption.

3.2. Experiential Learning

- Educational visits to the **Egyptian Stock Exchange** and lectures on **crisis management** encourage students to consider the long-term sustainability of economic systems and resource allocation.



4. School of Business and Finance (SOBF)

4.1. Curriculum and Research Integration

- Sustainability is embedded in core and elective modules.
- Hosted NGU's **First Scientific Conference on Sustainability in Business**, promoting climate-conscious research.



5. School of Arts and Design (SOAD)

5.1. Eco-Conscious Design Education

- Studio courses integrate sustainability principles, encouraging students to critically assess material sourcing, production methods, and environmental impact.
- Projects emphasize reuse and repurposing of materials, including recycled media and low-impact installations.
- Students explore ethical consumption through visual storytelling and conceptual design, promoting cultural sensitivity and environmental awareness.

5.2. Curriculum and Exhibition Integration

- Sustainability themes are embedded into coursework, critiques, and public exhibitions, fostering dialogue on responsible production in the arts.

- Faculty-led initiatives support experimentation with biodegradable materials and circular design strategies.
- Graduates are equipped to prioritize sustainability in their professional creative practice, aligning with global SDG 12 targets.

SDG Alignment & Impact

SDG 12: Responsible Consumption and Production

- NGU promotes sustainable practices through recycling, green pharmacy, and responsible waste management.
- Students and faculty engage in research and outreach that support ethical consumption and environmental stewardship.

SDG 13: Climate Action

- Awareness campaigns and eco-conscious initiatives contribute to climate resilience and sustainable resource use.

SDG 3: Good Health and Well-being

- Responsible pharmaceutical and dental practices ensure safe, effective care with minimal environmental impact.

Future Directions

- **Launch Waste Management Workshops:** Educate students and staff on sustainable disposal and recycling practices.
- **Expand Green Curriculum:** Integrate sustainability modules into pharmacy, dentistry, and economics programs.
- **Monitor Resource Use:** Track energy, water, and material consumption across campus to identify areas for improvement.
- **Promote Circular Economy Projects:** Support student-led initiatives that repurpose materials and reduce waste.



SDG 13: Climate Action

Overview

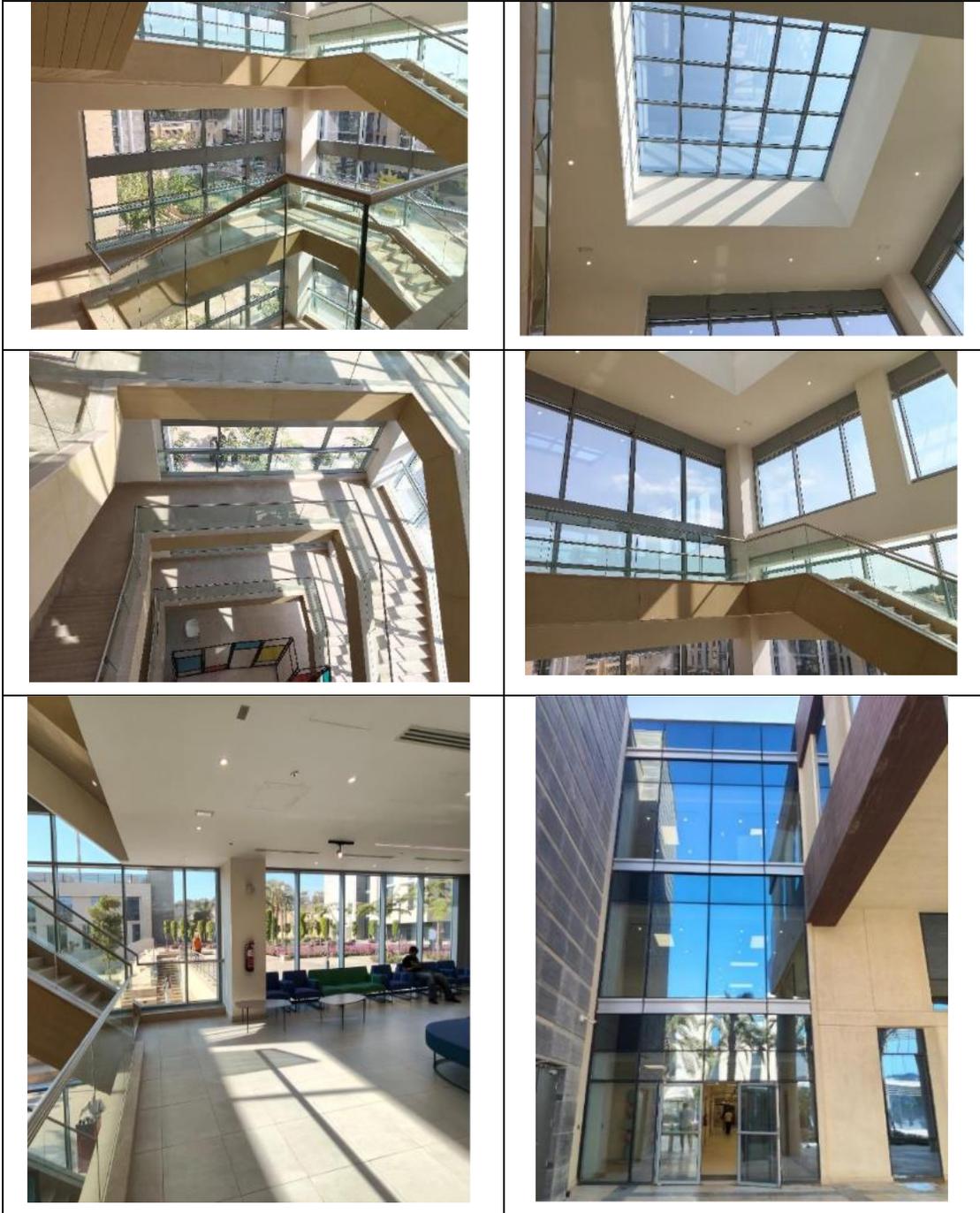
NGU is deeply committed to **SDG 13: Climate Action**, which calls for urgent measures to combat climate change and its impacts. NGU integrates climate awareness, sustainability education, and environmental advocacy across its schools. Through student-led initiatives, faculty engagement, and global representation, NGU fosters a culture of climate responsibility and empowers its academic community to contribute meaningfully to climate resilience and sustainable development.

Key Initiatives

1. Institutional Practices commitment to Climate Action

In alignment with global efforts to combat climate change, NGU is committed to reducing greenhouse gas emissions through sustainable design education and environmentally conscious campus practices. A key institutional strategy includes the integration of natural lighting systems throughout academic and administrative buildings. By maximizing daylight penetration through strategically positioned windows, skylights, and transparent façades, NGU reduces reliance on artificial lighting, thereby conserving energy and lowering carbon emissions. This climate-responsive approach not only enhances indoor environmental quality and occupant well-being but also reflects the university's broader commitment to creating an eco-friendly campus.

Natural Lighting System





Natural lighting reduces dependence on artificial lighting and electricity consumption, promoting energy efficiency and clean energy use



Natural lighting in the Classrooms



Natural lighting in the offices

2. School of Pharmacy (SOP)

2.1. Climate Education and Advocacy

- SOP hosted workshops on **Green Pharmacy** and **Climate Change & Global Health Preparedness**, led by Prof. Osama Hussein and Dr. Radwa Ewaisha, respectively. These sessions emphasized the intersection of environmental sustainability and healthcare.
- SOP students participated in **COP27 and COP28**, with Alaa Abdel-Gawad serving as a **junior negotiator** and youth delegate, focusing on technology transfer and just transition.



2.2. Public Awareness Campaigns

- SOP produced educational videos including:
 - “How is Climate Change Affecting our Health?”
 - “What does a world that is 3°C warmer look like?”
 - “How can you help with climate change?”
 - “70% Decline in Animal Populations since 1970”
- These videos were shared via YouTube and NGU’s website to raise public awareness and promote behavioral change.

2.3. Climate Action Club

- The student-led **Climate Action Club** organized:
 - “**Plant for the Planet**”: Freshmen planted herbs to promote urban greening.
 - **Christmas Carnival**: A tree built from recycled plastic bottles showcased creative reuse.
 - **Care for Every Breath**: A conference on climate-related respiratory health, featuring international experts.

3. School of Dentistry (SOD)

3.1. Sustainable Operations

- SOD ensures proper **medical waste disposal** through certified environmental services, in compliance with national health and environmental standards.
- Community dental services include **transportation for patients from remote areas**, reducing access barriers and promoting equitable care.

4. School of Economics and Politics (SOEP)

Climate Governance and Youth Representation

- SOEP students participated in the **Arab Youth Parliament Simulation** and internships at the **League of Arab States**, contributing to policy dialogues on climate resilience and sustainable development.
- Faculty research includes publications on **FinTech and SDG financing**, addressing the economic dimensions of climate action.

5. School of Medicine (SOM)

Lancet Climate Change Report Launch

SOM launched the **Lancet Countdown Report on Climate Change and Health**, highlighting the intersection of global health and climate issues. Implementation of related awareness activities is currently at **50% progress**, reflecting NGU's commitment to environmental sustainability and health.



SDG Alignment & Impact

SDG 13: Climate Action

- NGU promotes climate awareness through education, advocacy, and sustainable practices.
- Students and faculty engage in global forums and local initiatives that support climate resilience and environmental stewardship.

SDG 3: Good Health and Well-being

- Climate-health campaigns and conferences highlight the impact of environmental change on public health.

SDG 12: Responsible Consumption and Production

- Recycling drives and sustainable fashion events encourage mindful consumption and waste reduction.

SDG 17: Partnerships for the Goals

- Collaborations with COP, UNFCCC, and regional bodies amplify NGU's climate leadership and global engagement.

Future Directions

- **Launch Renewable Energy Workshops:** Educate students on clean energy solutions and sustainable infrastructure.
- **Develop Climate Curriculum:** Integrate climate modules across pharmacy, dentistry, and economics programs.
- **Expand Climate Action Club:** Support cross-disciplinary projects and community outreach.
- **Monitor Carbon Footprint:** Track campus emissions and implement reduction



SDG 14: Life Below Water

Overview

NGU supports **SDG 14: Life Below Water**, which aims to conserve and sustainably use the oceans, seas, and marine resources. While NGU is not a marine-focused institution, its academic and advocacy efforts contribute to raising awareness about aquatic ecosystems and the environmental threats they face. Through educational campaigns, student-led initiatives, and interdisciplinary research, NGU fosters a culture of environmental stewardship that includes the protection of marine biodiversity.

Key Initiatives

1. School of Pharmacy (SOP)

1.1. Climate Awareness Campaigns

- SOP produced a video titled “**70% Decline in Animal Populations since 1970**”, highlighting the dramatic loss of marine and aquatic life in regions such as the Caribbean and South America due to climate change and pollution.
- The video was shared on YouTube and NGU’s website to raise public awareness and encourage responsible environmental behavior.

1.2. Ecofriendly Team and Climate Action Club

- SOP’s student-led teams promote sustainable practices that reduce pollution and waste, indirectly supporting marine conservation by minimizing runoff and plastic use.

2. School of Dentistry (SOD)

Responsible Waste Management

- SOD ensures proper disposal of medical waste through certified environmental services, preventing contamination of water sources and protecting aquatic ecosystems.

SDG Alignment & Impact

SDG 14: Life Below Water

- NGU contributes to marine conservation through awareness campaigns and responsible waste practices.
- Educational content and student engagement promote understanding of the interconnectedness between human activity and aquatic ecosystems.

SDG 12: Responsible Consumption and Production

- Waste reduction and recycling initiatives help prevent marine pollution and support sustainable resource use.

SDG 13: Climate Action

- Climate education and advocacy address the broader environmental factors affecting marine biodiversity.

Future Directions

- **Launch Marine Awareness Modules:** Integrate Ocean conservation topics into sustainability curricula.
- **Promote Plastic-Free Campaigns:** Encourage reduction of single-use plastics across campus.
- **Collaborate with Environmental NGOs:** Partner with marine-focused organizations for joint awareness initiatives.
- **Monitor Waste Impact:** Assess the environmental footprint of campus operations on local ecosystems.



SDG 15: Life on Land

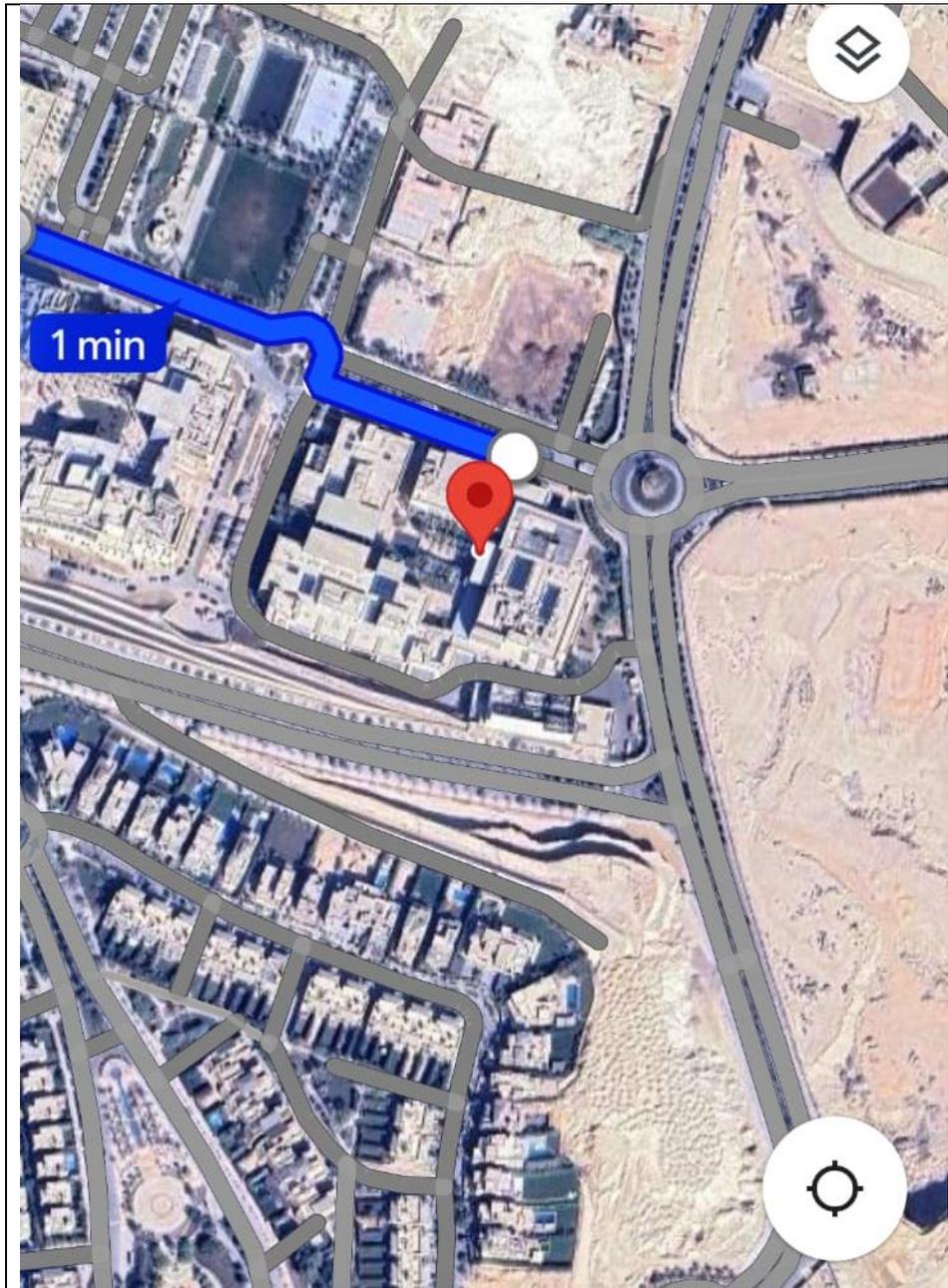
Overview

NGU is committed to **SDG 15: Life on Land**, which focuses on protecting, restoring, and promoting sustainable use of terrestrial ecosystems. NGU integrates biodiversity awareness, sustainable land use, and environmental education into its academic and extracurricular activities. Through student-led campaigns, faculty research, and community engagement, NGU fosters a culture of respect for nature and responsible interaction with terrestrial environments.

Key Initiatives

1. Institutional Practices commitment to Environmental Best Practices

NGU is uniquely situated on the edge of a desert region, surrounded by arid land—a geographical context that has inspired the adoption of environmental design practices and sustainable land use strategies across its campus. This institutional commitment aligns with SDG 15: Life on Land, which advocates for the sustainable management of terrestrial ecosystems, the prevention of desertification, and the restoration of degraded landscapes. In response, NGU has implemented initiatives such as sustainable landscaping, soil conservation, and the integration of green spaces throughout its grounds. These efforts not only enhance biodiversity and ecosystem health but also transform the campus into a resilient and ecologically conscious environment. Through the preservation and strategic placement of green infrastructure, NGU demonstrates its dedication to harmonizing built development with natural systems, contributing meaningfully to the global goals for land sustainability.



Satellite View of Faculty of Arts & Design - New Giza University Campus Surrounded by Desert Landscape

Extensive landscaped zones with fountains and natural vegetation across the university grounds



2. School of Pharmacy (SOP)

2.1. Climate Action Club Activities

- **“Plant for the Planet”**: Freshmen students planted basil and fenugreek during orientation to promote biodiversity and urban greening.
- The initiative emphasized the importance of plant life in climate resilience and ecosystem health

2.2. Educational Campaigns

- SOP produced videos such as:
 - “How can you help with climate change?”
 - “What does a world that is 3°C warmer look like?”
- These campaigns addressed the impact of climate change on terrestrial ecosystems, including desertification, habitat loss, and species migration.

3. School of Dentistry (SOD)

Sustainable Operations

- SOD’s responsible waste management practices help prevent land contamination and support ecosystem health.
- Community outreach and mobile clinics reduce environmental strain by decentralizing services and promoting sustainable access.

SDG Alignment & Impact

SDG 15: Life on Land

- NGU promotes biodiversity and sustainable land use through planting initiatives, environmental education, and responsible operations.
- Students and faculty engage in activities that support ecosystem restoration and conservation.

SDG 13: Climate Action

- Climate-focused campaigns and green practices contribute to land preservation and resilience.

SDG 4: Quality Education

- Environmental topics are integrated into academic programs, fostering ecological literacy and stewardship.

Future Directions

- **Expand Urban Greening Projects:** Launch tree-planting and biodiversity restoration initiatives on and off campus.
- **Integrate Biodiversity into Curriculum:** Include modules on terrestrial ecosystems and conservation in pharmacy and dentistry programs.
- **Promote Sustainable Campus Design:** Enhance green spaces and reduce environmental impact of infrastructure.
- **Collaborate with Conservation Groups:** Partner with NGOs and government bodies to support land-focused sustainability efforts.



SDG 16: Peace, Justice, and Strong Institutions

Overview

NGU actively supports **SDG 16: Peace, Justice, and Strong Institutions**, which promotes inclusive societies, access to justice, and accountable institutions. NGU fosters transparency, ethical governance, and civic engagement across its schools. Through academic collaborations, student representation, and institutional development, NGU strengthens its role as a responsible and forward-thinking educational institution.

Key Initiatives

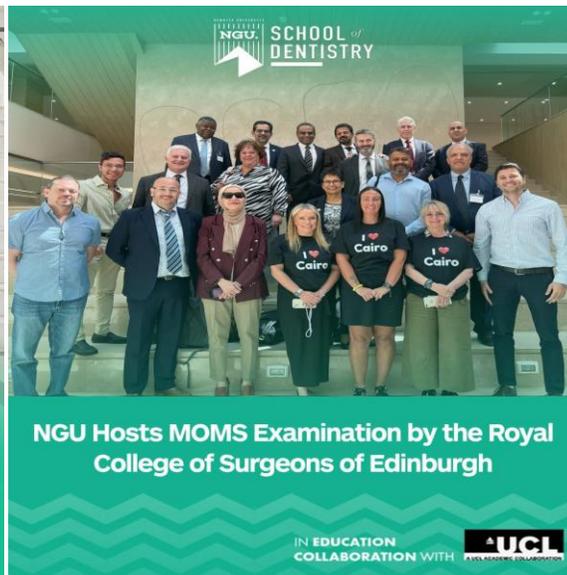
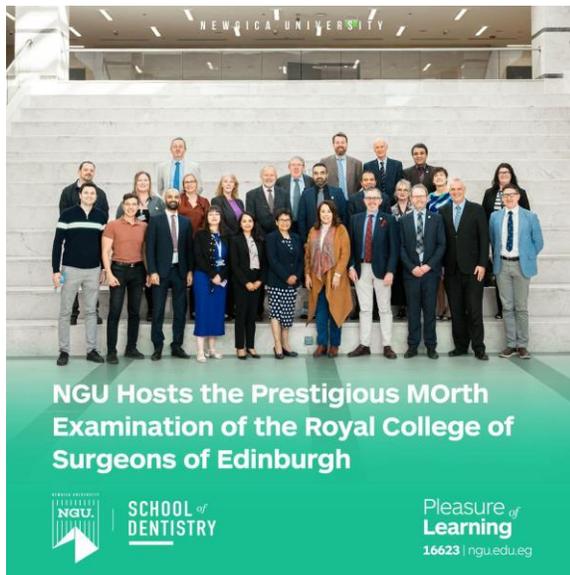
1. School of Dentistry (SOD)

1.1. Institutional Accreditation and Quality Assurance

- Hosted an **external review visit** by Queen's University Belfast (Oct–Nov 2023), receiving highly positive feedback.
- Welcomed the **National Authority for Quality Assurance and Accreditation of Education (NAQAAE)** for institutional accreditation (Feb 2024), reinforcing NGU's commitment to educational integrity.

1.2. International Recognition and Leadership

- Faculty members appointed to **editorial boards and academic committees**, with several receiving **international honors and awards**.
- Hosted **MORTH and MOMS fellowship exams**, accredited by the Royal College of Surgeons of Edinburgh.



1.3. Infrastructure and Digital Governance

- Expanded facilities with new **lecture halls, clinical areas, and laboratories**.
- Activated the **ToNGUe digital patient management system**, enhancing transparency and efficiency in clinical documentation.

2. School of Pharmacy (SOP)

2.1. Climate Governance and Youth Representation

- Student Alaa Abdel-Gawad served as a **junior negotiator** at COP28, representing Egypt in climate policy discussions and advocating for just transition and technology equity.



2.2. Public Health Advocacy

- SOP hosted the “**Care for Every Breath**” conference, addressing the impact of climate change on respiratory health and promoting inclusive dialogue among experts and students.

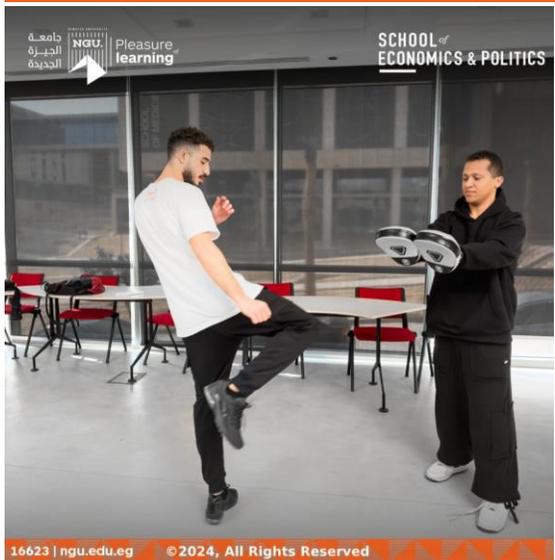
3. School of Economics and Politics (SOEP)

3.1. Governance and Human Rights Education

- Hosted lectures by **Ambassador Wafaa Bassim** on crisis and risk management, and by **Ambassador Walid Hagag** and **Counsellor Hatem Magued** at the Institute of Diplomatic Studies.
- Signed a protocol with the **National Council for Human Rights**, attended by Ambassador Dr. Moshira Khattab.



- Founded the **Human Rights Club** (Dr. Hoda Shaltout) and **Model United Nations** (student Hussein Amr Hendy).
- In a compelling session of the “**Democracy, Development and Human Rights**” course, student **Mahmoud Arafa**, a certified kickboxing trainer, co-delivered a lecture exploring the link between sports and human rights. The session emphasized values such as **fair play, non-discrimination, and personal security**, with practical demonstrations that connected theory to lived experience.



Experiential Learning in Diplomacy

- Students participated in the **Arab Youth Parliament Simulation**, the **Council of Arab Youth and Sports Ministers**, and internships at the **League of Arab States**, engaging in policy-making and institutional dialogue.



SDG Alignment & Impact

SDG 16: Peace, Justice, and Strong Institutions

- NGU promotes institutional transparency, student representation, and civic engagement.
- Academic collaborations and governance-focused programs strengthen institutional accountability and global cooperation.

SDG 4: Quality Education

- Experiential learning and policy engagement enhance student understanding of justice and governance.

SDG 17: Partnerships for the Goals

- Collaborations with national and international bodies reinforce NGU's role in shaping inclusive institutions.

Future Directions

- **Expand Governance Curriculum:** Integrate modules on ethics, diplomacy, and institutional development.
- **Strengthen Student Representation:** Support student-led clubs and policy simulations.
- **Enhance Digital Systems:** Continue upgrading platforms for transparency and operational efficiency.
- **Monitor Institutional Impact:** Track accreditation outcomes and stakeholder feedback.



SDG 17: Partnerships for the Goals

Overview

NGU embraces SDG 17: Partnerships for the Goals, which emphasizes global collaboration to achieve sustainable development. NGU builds strategic alliances across academia, government, and civil society to enhance education, research, and community impact. Through joint programs, international exchanges, and formal agreements, NGU fosters a culture of shared progress and interdisciplinary cooperation.

Key Initiatives

1. Institutional Practices commitment

Local Collaboration (Giza): Cairo University

In 2024, **Prof. Dr. Ahmed Sameh Farid**, President of NGU, and **Prof. Dr. Mohamed Al-Khosht**, President of Cairo University signed a **collaboration protocol in medical, dental, and pharmaceutical studies**.

Scope of Collaboration:

- Joint educational and research initiatives in medicine, dentistry, and pharmacy.
- Clinical training and academic exchange.
- Collaborative health awareness events and community service programs.

Significance:

This local collaboration strengthens medical education and research capacity in Giza, promoting shared resources and expertise to advance Egypt’s healthcare sector.



2. School of Dentistry (SOD)

2.1. National and International Collaborations

- Maintains a formal **cooperation protocol with the National Research Centre**, supporting joint research and community initiatives.



- Ongoing agreements with **Cairo University**, **Ain Shams University**, and **Nasser Institute** enable internship rotations across departments.
- Renewed academic collaboration with **Queen's University Belfast** (Sept 2023), reinforcing global academic standards.





2.2. Joint Training and Research

- Hosts workshops and training programs across dental specialties, enhancing staff and student competencies.
- Collaborates with the **Faculty of Dentistry, Cairo University** for cell and tissue sample analysis via the Department of Oral Pathology.

3. School of Pharmacy (SOP)

3.1. Global Climate Engagement

- Student participation in **COP27 and COP28**, and the **Connecting Climate Minds** event in Barbados, reflects SOP's commitment to global partnerships in climate and health.

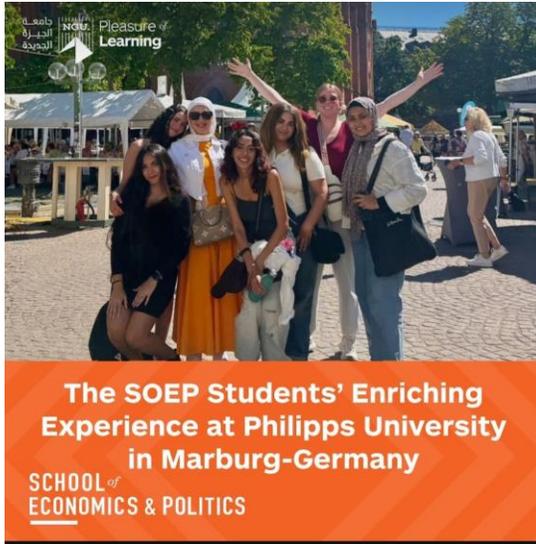
3.2. Public Health and Sustainability

- SOP collaborates with organizations such as **UNICEF, UNFCCC**, and the **Welcome Trust Fund**, contributing to international research and policy development.

4. School of Economics and Politics (SOEP)

4.1. Strategic Academic Partnerships

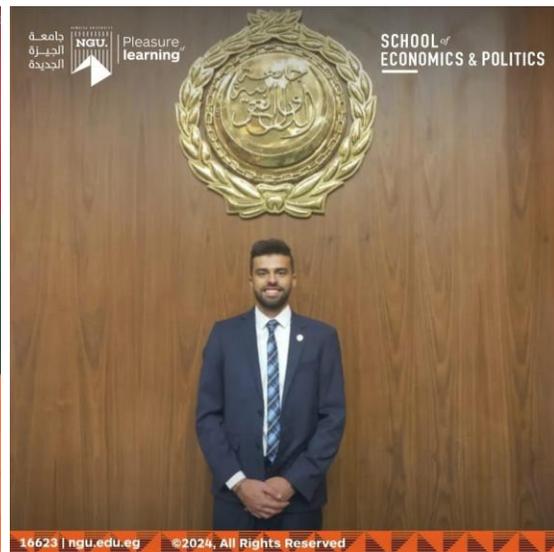
- Students completed a summer program at **Philipps University in Marburg, Germany**, focusing on EU institutions, human rights, and social change.



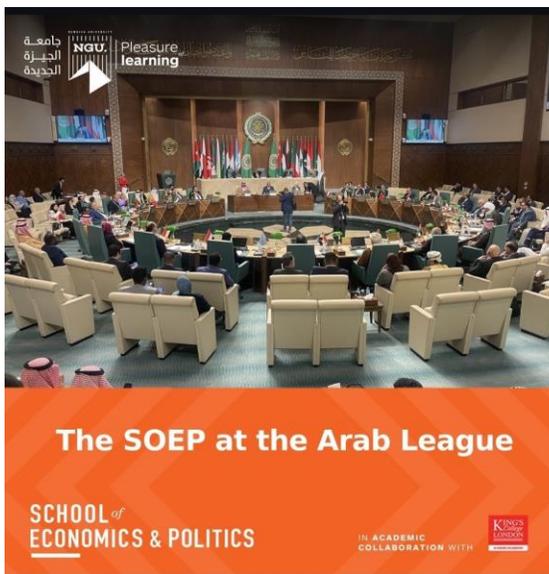
- Ongoing partnership with **King's College London (KCL)** enabled semester exchanges for students including Hala Aboulwafa, Yara Ayman, and Sara Zakaria.

4.2. Regional and Institutional Cooperation

- Collaborations with the **League of Arab States**, **Egyptian Exchange**, **National Council for Human Rights**, and **Competition Protection Agency** support experiential learning and policy engagement.









4.3. Economic Inclusion and Financial Literacy

- SOEP students participated in specialized training sessions at the **Egyptian Stock Exchange (EGX)**, gaining hands-on experience in financial literacy, market dynamics, and stock data interpretation. The visit and training provided equitable access to economic knowledge and empowered students to engage responsibly with financial systems, regardless of background.



4.4. Human Rights and Governance

- The **Human Rights Club**, founded by Dr. Hoda Shaltout, promotes awareness and advocacy for marginalized groups.
- Participation in the **Arab Youth Parliament Simulation** and internships at the **League of Arab States** empower students to engage in inclusive governance and policy-making.

5. School of Business and Finance (SOBF)

5.1. Government and Financial Sector Partnerships

- Signed formal agreements with:
 - **Emirates NBD–Egypt**



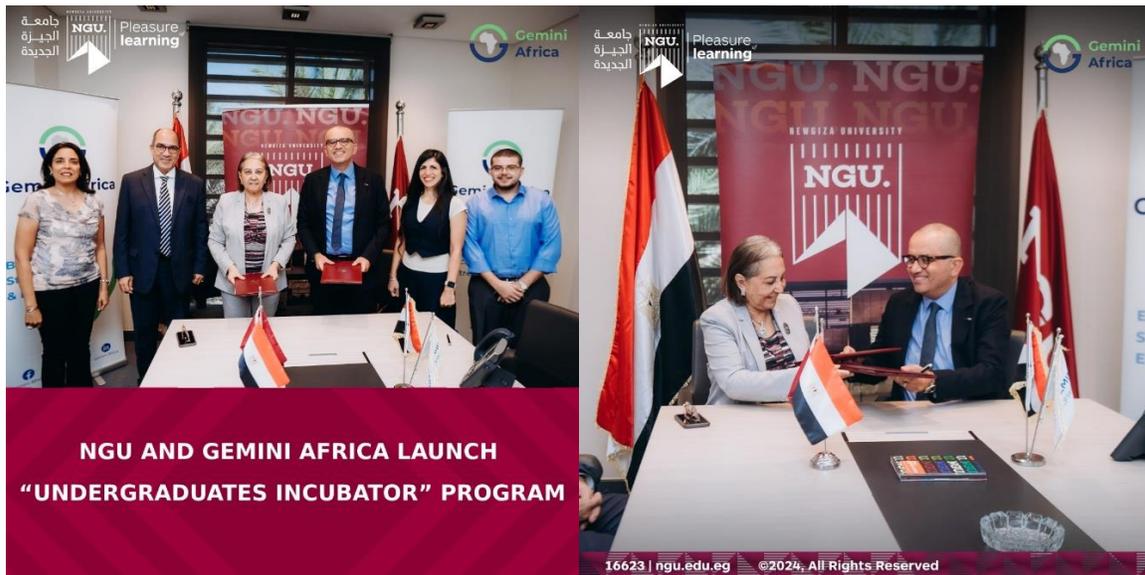
- **Egyptian Banking Institute (EBI)**, the training arm of the Central Bank of Egypt

- Participates in the **FinYoLogy – FinTech for Youth** initiative, in collaboration with the **Central Bank of Egypt, NBE,** and **AlexBank,** promoting FinTech innovation and youth engagement.



- **Gemini Africa Partnership for Entrepreneurship Development**

NGU signed a Memorandum of Understanding (MoU) with Gemini Africa, a subsidiary of the Orascom Group and a leading regional enabler for startups and Micro, Small, and Medium-sized Enterprises (MSMEs) across Egypt and Africa. The partnership, represented by Prof. Dr. Lamis Ragab, NGU Vice President, and Eng. Adly Thoma, Gemini Africa CEO, launched the Gemini NGU Undergraduates Incubator to empower youth and women through innovation, mentorship, and venture development. The collaboration reflects NGU's formal commitment to advancing entrepreneurship, economic empowerment, and sustainable development in alignment with SDG strategies.



5.2. Global Mentorship and Sustainability Networks

- Dr. Lamia El Ayouby is an active member of the **Village Capital Sustainability MENA Mentorship Program**, run in partnership with the **International Finance Corporation (IFC)**.

5.3. Inter-School Collaboration

- SOBF students co-organized the **Baheya Breast Cancer Awareness Campaign** with the School of Medicine.



- Collaborated with SOP for an **Eid El Fitr donation drive**, reinforcing NGU's cross-disciplinary approach to community service.

6. School of Engineering (SOE)

6.1. NGO Collaboration and Educational Outreach

- SOE organized the **Qaitbey Children Camp** (Spring 2024) in collaboration with:
 - **The Sultan Foundation**
 - **ARCHiNOS Architecture**
- The camp engaged children from underserved communities in Cairo through:
 - Sustainability-themed games, storytelling, and roleplay
 - Mapping and modeling activities
 - Recycling workshops and environmental awareness sessions







7. School of Arts and Design (SOAD)

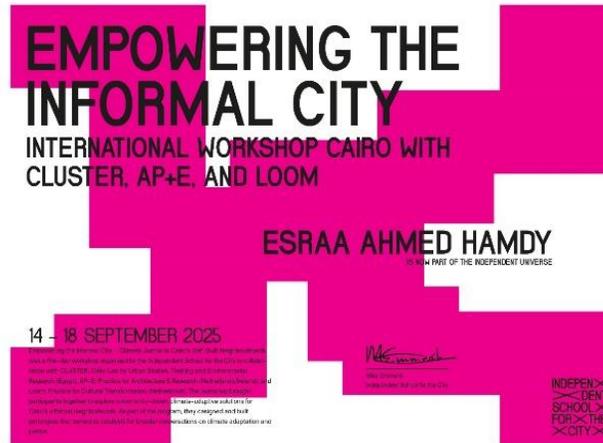
7.1. Strategic International Partnerships

- Newgiza University signed a strategic cooperation agreement with the Euro-Mediterranean University (EMUNI) to establish the Euro-Mediterranean Academy for Cultural and Scientific Cooperation.
- The partnership promotes academic exchange, joint research, and training programs across the Mediterranean region.
- This collaboration reinforces NGU's commitment to global cooperation in education, research, and innovation.



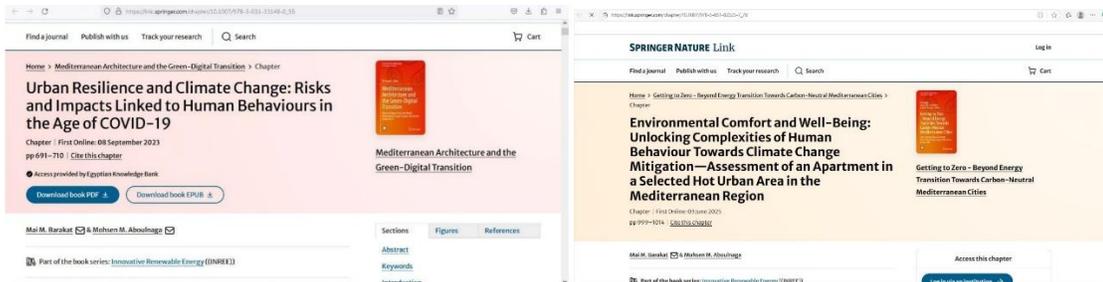
7.2. Policy Engagement with Regional Stakeholders

- SOAD actively participates in joint policy workshops and consultations with regional NGOs and government entities.
- These initiatives promote the integration of sustainable design principles into urban development and educational frameworks.
- The school contributes to shaping informed policies that support environmental responsibility and align with national sustainability goals.



7.3. Academic Collaboration for SDG Best Practices

- SOAD builds partnerships with national and international institutions to foster interdisciplinary research and innovation in sustainable design.
- Collaborative projects address environmental and social challenges, positioning NGU as a hub for creative solutions aligned with the SDGs.



7.4. NGO Collaboration – ALMA & Egyptian Clothing Bank

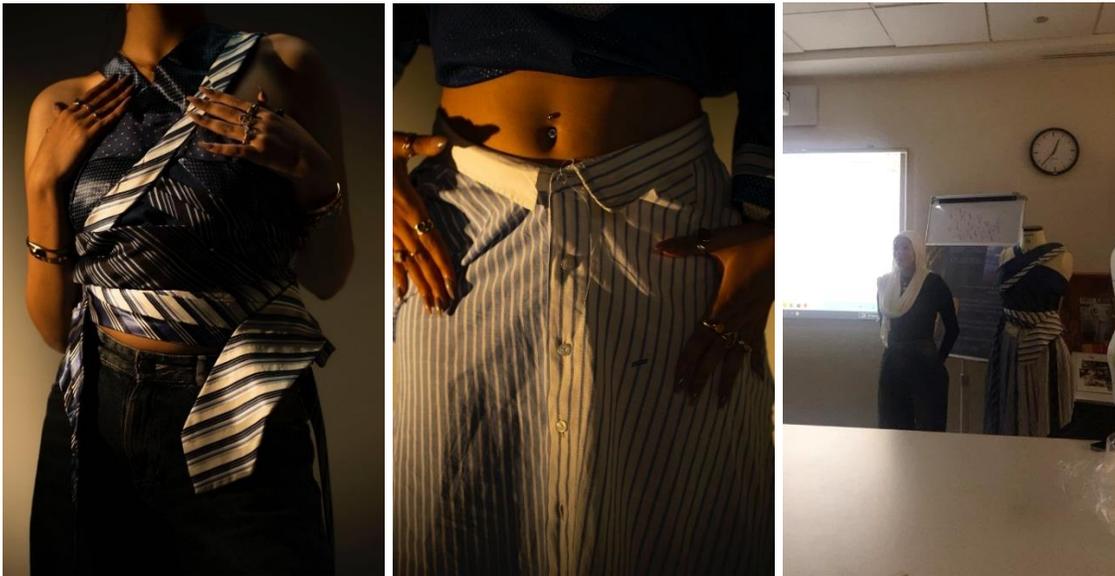
- Students visited **ALMA Organization** and the **Egyptian Clothing Bank** to learn about textile waste management and sustainable fashion.
- Observed fabric sorting, recycling, and upcycling processes that reduce landfill waste and support social causes.
- Learned how sustainable production supports underprivileged communities through employment and clothing distribution.
- Inspired students to rethink waste management and adopt eco-friendly practices in fashion and design.





7.5. Student Projects – ALMA Collaboration

- Students developed creative projects based on insights from the ALMA visit, integrating sustainability into design outcomes.
- Projects emphasized circular economy principles and social impact through responsible textile consumption.





7.6. Furniture Design Competition – Tagdeed Collaboration

- Competition integrated theoretical study with practical application in furniture design.
- Encouraged eco-friendly practices and waste-conscious design solutions.
- Students engaged with industry experts and presented final designs at **The Design Show** exhibition.
- Winning students: **Farah Iskander** and **Zeina Ismail**.



7.7. Graphic Design Collaboration – FWGT Sustainable Design Initiative

- Second-level Graphic Design students participated in a field visit to the **FWGT Sustainable Design Initiative**.
- Students created printed materials and visual identity for the event, which were officially used by the organizers.
- The visit connected academic learning with real-world application and highlighted the role of design in community impact.
- Students reflected on sustainable design practices and their contribution to social and environmental initiatives.



8. School of Information Technology (SOIT)

8.1. International Academic Partnerships

SOIT has established two key international partnerships that enhance global learning and student experience. Through the Visiting Student Program with the University of Nebraska at Omaha (UNO), students gain academic and cultural exposure by spending a semester abroad. Likewise, the 3+1+1 Program with the University of Ottawa, Canada allows students in AI, Data Science, and Computer Science to study internationally and pursue a Master's degree in Digital Transformation and Innovation.



8.2. Community engagement

NGU hosts **World Robot Olympiad** as a partnership between SOIT and IdeaGym. NGU hosts the National Finals of the World Robot Olympiad (WRO) yearly. This global robotics competition brings together young innovators aged 7 to 21 from across Egypt and around the world, inspiring creativity, teamwork, and problem-solving through robotics challenges that address real-world issues. Through initiatives such as NGU IEEE and this fruitful collaboration with IdeaGym, NGU continues to empower the next generation of robotics leaders and foster a vibrant culture of innovation, collaboration, and technological excellence.



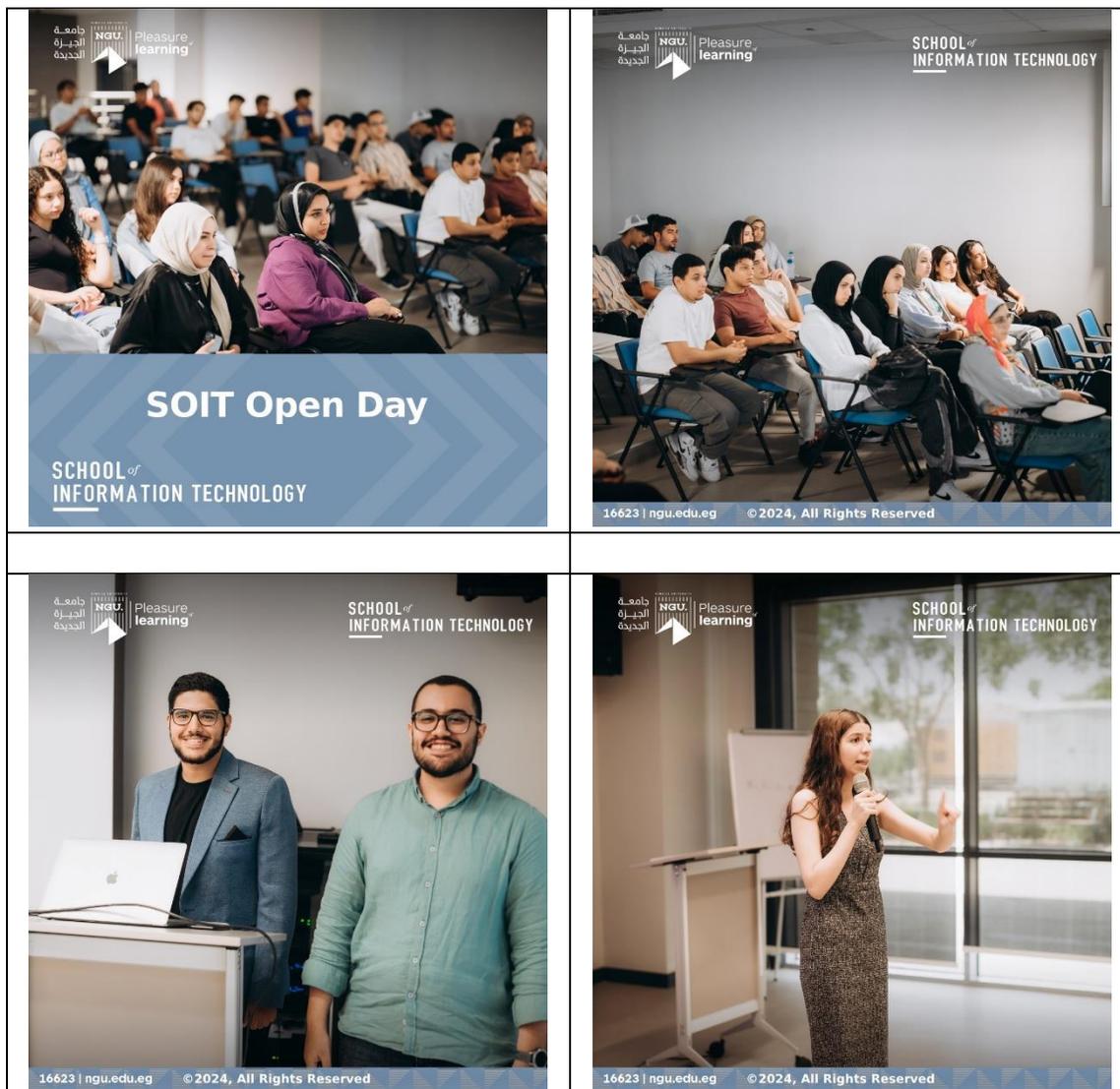
8.3. Inspiring Younger Generation to Pursue Teach

Yassin Hesham presented his experience with NGU’s advanced labs and hands-on projects that equipped him with the skills needed for today’s market. Farah Fouad demonstrated her interning as a Data Analyst at Lipton Teas and Infusions. They are both thriving in a curriculum that emphasizes problem-solving, practical learning, and real-world applications.



8.4. SOIT Open Days

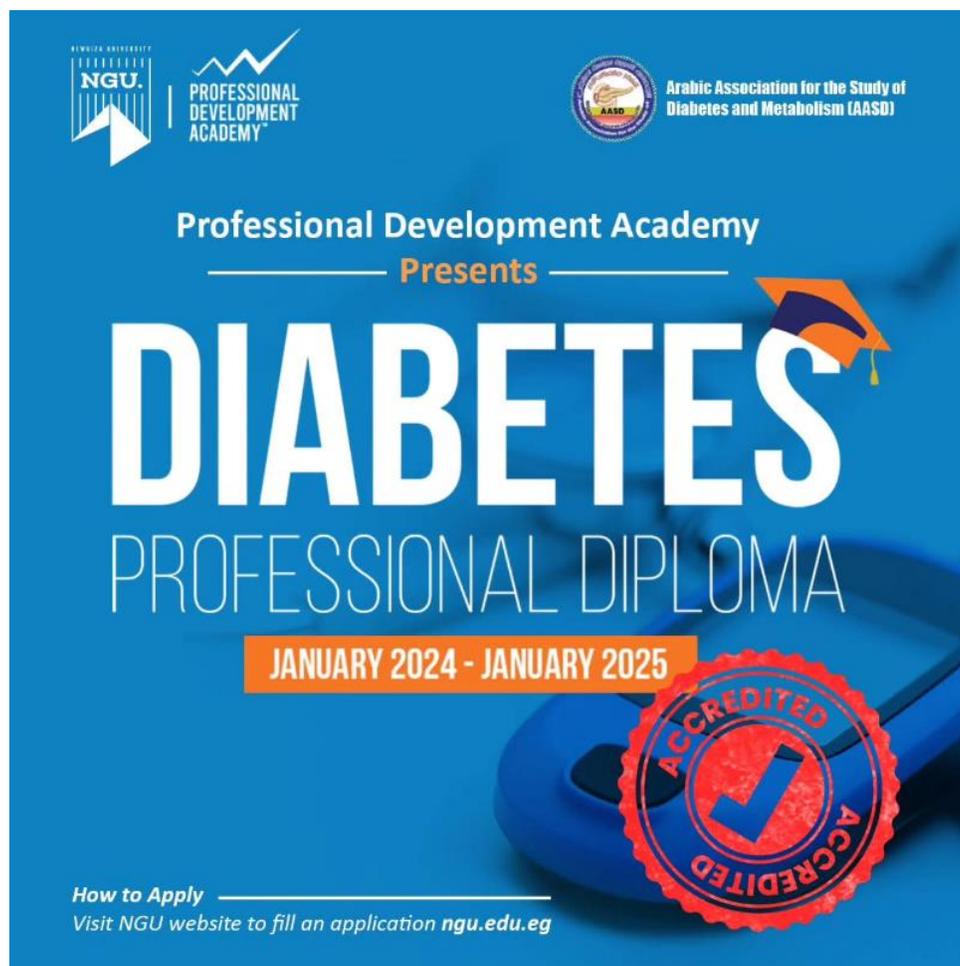
Open Day offered high school students’ chance to listen to inspiring talks from distinguished faculty members and accomplished IT professionals, students discovered diverse career opportunities in Egypt and beyond. Participants immersed themselves in engaging in hands-on workshops, touring our advanced labs, and interacting with current SOIT students to discover the files of AI, data science and technology



9. School of Medicine (SOM)

9.1. Diabetes Professional Diploma

The Professional Development Academy (PDA) at NGU launched the Professional Diabetes Diploma in collaboration with the Arabic Association for the Study of Diabetes and Metabolism (AASD). This diploma is designed for endocrinologists and healthcare professionals across Egypt and the Arab region, providing continuing medical education beyond the university's student body. It aligns with NGU's mission to support lifelong learning and promote community health through advanced professional training.



The poster features a blue background with a blurred image of a blue glucometer. At the top left, the logos for Newgiza University (NGU) and the Professional Development Academy are displayed. At the top right, the logo for the Arabic Association for the Study of Diabetes and Metabolism (AASD) is shown. The main text reads "Professional Development Academy Presents" followed by "DIABETES" in large white letters with a graduation cap icon above the 'S', and "PROFESSIONAL DIPLOMA" in smaller white letters below. An orange banner indicates the dates "JANUARY 2024 - JANUARY 2025". A red circular seal with a white checkmark and the word "ACCREDITED" is positioned in the bottom right. At the bottom left, the text "How to Apply" is followed by a line and the instruction "Visit NGU website to fill an application ngu.edu.eg".

9.2. NGO partnership for social good

SOM students participated with Misr El-Kheir Foundation in the preparation of 500 school bags to be distributed to students from underprivileged families. The campaign is part of the NGO's larger initiative to support the educational needs of disadvantaged communities across Egypt. Students from NGU, across schools, including the Medical School, volunteered in packing the school supply kits. The initiative was carried out with significant enthusiasm and community spirit, and involved over 3 continuous hours of work. University deans, faculty members, and leaders from Misr El-Kheir were present, reinforcing institutional commitment to the collaboration.



9.3. Annual “INSPIRE” Event

NGU Medical Association (NGUMA), with its mission and affiliations with **national (IFMSA Egypt) and international (IFMSA)** medical associations at the annual “INSPIRE” event, organized sessions and entertaining activities to infuse knowledge with fun, and to foster awareness among students and medical professionals.



9.4. IFMSA-Egypt National Conference

NGU hosted the **IFMSA-Egypt National Conference**, one of the largest gatherings of medical students in Egypt. Organized by the **NGU Medical Association (NGUMA)**, the event brought together around **850 medical students** from **35 universities** nationwide. The program included **scientific sessions, medical discussions, networking opportunities, and recreational activities**, and was successfully implemented with **100% achievement**.



SDG Alignment & Impact

SDG 17: Partnerships for the Goals

- NGU builds robust partnerships to advance education, research, and community service.
- International exchanges and joint programs foster global citizenship and interdisciplinary collaboration.

SDG 4: Quality Education

- Strategic alliances enhance curriculum development, faculty training, and student exposure.

SDG 16: Peace, Justice, and Strong Institutions

- Partnerships with governance and human rights bodies strengthen institutional accountability and civic engagement.

Future Directions

- **Expand Global Exchanges:** Increase student and faculty participation in international programs.
- **Strengthen Research Networks:** Develop joint publications and interdisciplinary projects.
- **Enhance Community Partnerships:** Collaborate with NGOs and government bodies for local impact.
- **Monitor Partnership Outcomes:** Track engagement metrics and shared development goals.
- **Enhance Interdisciplinary Collaboration:** Foster more joint initiatives across NGU schools.
- **Track Engagement Metrics:** Evaluate partnership outcomes and alignment with SDG targets.

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