

SUSTAINABILITY OFFICE STRATEGIC PLAN 2023



Sustainability Office



MUST Sustainability Office

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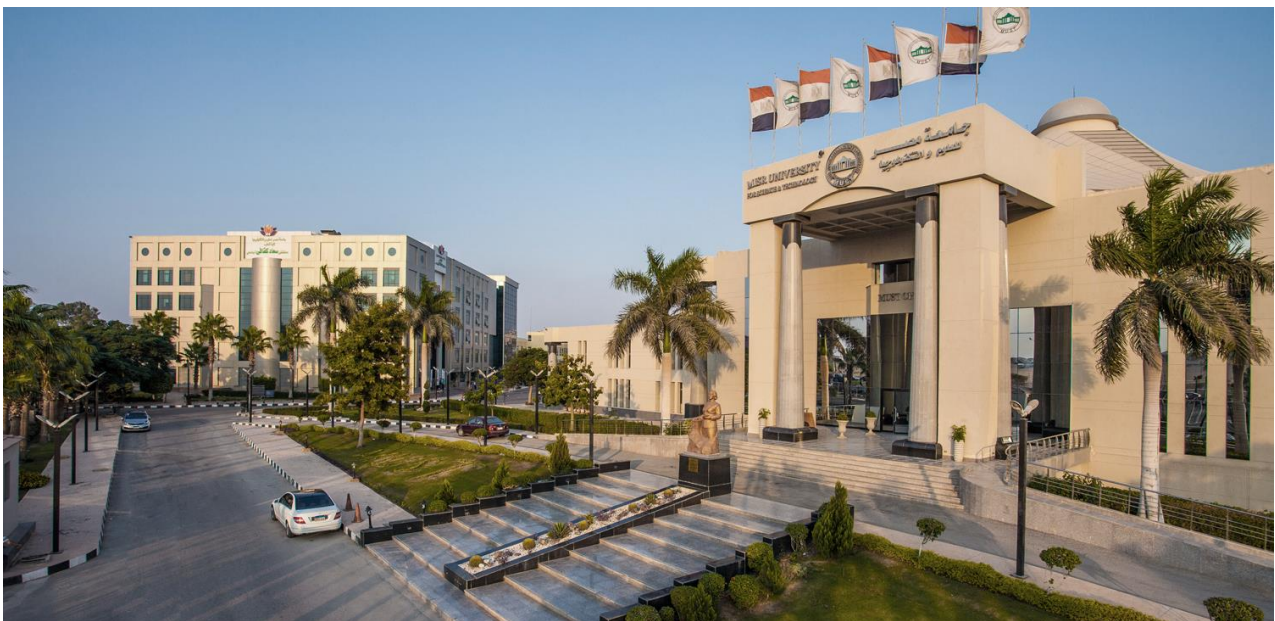
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MOTIVATION

Misr University for Science & Technology (MUST) is the first private university established in Egypt with nearly 20,000+ students. Since 1996, MUST has been recognized for effectiveness and notability of its academic programs as well as the success of its sustainability efforts. MUST is also well known for its dedication to excellence.

The university was founded by Dr. Soaad Kafafy, with the core purpose of high-quality academic teaching, research, and public service in order to build the capacity of individual students and help them develop enlightened and critical thinking, understanding, and the capacity to act accordingly. The university was founded to shape society as well as individuals via the dissemination of knowledge, skills and competence. The university is a representative of the human commitment to the betterment of the world at an international scale and this objective is delivered through its exploration of innovative ideas and preparation of its students as global citizens.

It is our responsibility as members of MUST community to honor Dr. Soaad's noble purpose and continue to live her legacy. In that regard, we are always keen on joining the global movements of development that seek to enhance the quality of living of the human beings. We seek continuous development of our services, to provide an integrated quality education experience to our students.



**Sustainability Office
Strategic plan 2023**



LETTER FROM OUR PRESIDENT

Every country has its own fundamental pillars, and Egypt's most valuable pillar is the youth. That's why the upcoming generations are the ones that will assist Egypt in its development and prosperity. But that will not happen in the blink of an eye, it needs persistence and determination. Above all that, it needs good quality of education.

Here at MUST we aim to provide our students with the prosperous environment they deserve. To help them reach their full potential and become lifelong learners prepared to enter the competitive world, armed with the skills they need to stand out. We seek continuous improvement of the service of education we provide and beyond. It is our responsibility to think ahead and prepare our students for the future that awaits.



With this thought in mind, we are working on integrating the sustainability development goals in our roles in governing, teaching and social practices. We also intend to enhance our facilities to reflect this newly adopted mentality and contribute to the global efforts of fighting climate change and saving our environment.

" we are working on integrating the sustainability development goals in our roles in governing, teaching and social practices."

Prof. Dr. Ashraf Haider Ghaleb

EXECUTIVE SUMMARY

A sustainability strategy is the declaration of MUST taking responsibility of its share in helping fight the global crisis of climate change. It is an integrated approach for leading the university in the direction of ensuring that all its activities are aligned with the country's vision for 2030 ecologically, economically, and socially along with the UNDP 17 sustainability development goals.

In MUST we redesigned the executive strategy for the university to integrate sustainability considerations in its three main pillars: Environmental, Academic, and Social. The collaboration between the academic and operations sectors to pursuit sustainability creates an environment that encourages students and the whole campus community to support sustainable development from within



PILLARS FOCUS AREAS



Environmental

- **Waste management:** Waste reduction, landfill diversion
- **Energy management:** Reducing consumption and efficient use of resources
- **Water management:** Reducing consumption and efficient use of resources
- **Workplace management:** Using resources without negatively impacting the environment nor the human health
- **Greenhouse gas emissions:** Reducing the carbon footprint



Social

Encouraging living sustainability on campus and advocating for sustainability through campus outreach programs



Academic

Improvement of the research and education programs to integrate sustainability and to facilitate sustainability education on campus.

OFFICE PORTFOLIO



MUST Library

History of the office

The office was established by the university president Prof. Dr. Ashraf Haider Ghaleb. His commitment to join the country's vision for 2030 and fighting climate change was through initiating implementation of the 17 sustainability development goals of the UNDP in all areas of practice among the university.

It started in June 2022 in parallel to the launch of the new campus to ensure embedding sustainability from the early phases of construction and through the transfer process. As we explored means of integrating sustainability on campus, the sustainability office grew more and more mature, and its responsibilities expanded to reach every sector of the university.

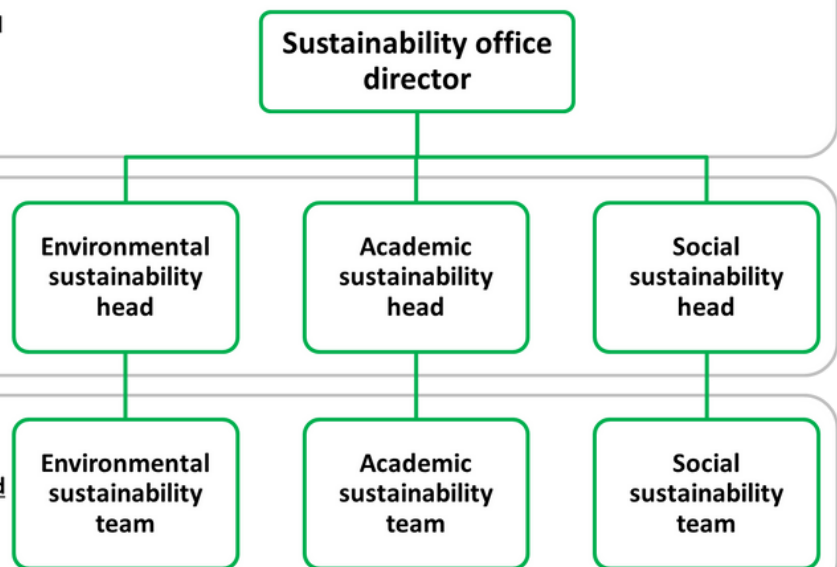
As a result, a proposal of the sustainability office was designed to act as a leading office for planning for implementing sustainability across the three main pillars Environmentally, Socially and Academically.

Team organization chart

Communicate and coordinate with management, shareholders, customers, and employees to address sustainability issues. Enact or oversee a corporate sustainability strategy.

Oversees the overall execution, mission, and efficacy of the sustainability program and department. Conducts compound sustainability reports, communicate with stakeholders.

The Sustainability team works collaboratively to develop, coordinate, and enact effective sustainability initiatives and projects to reduce the University's impact on the environment.



**Sustainability Office
Strategic plan 2023**

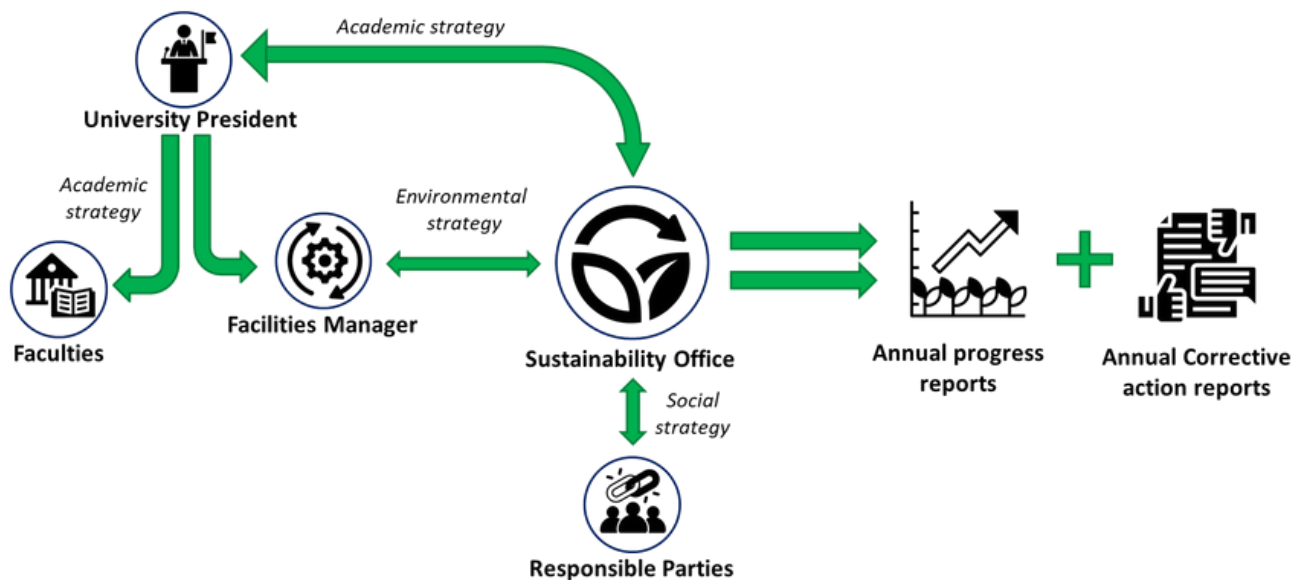


OFFICE PORTFOLIO

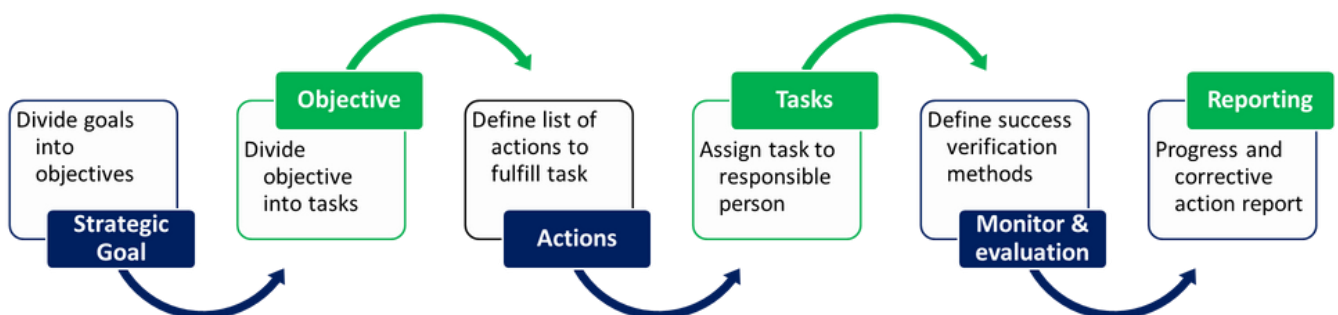
Role of the office

The office of sustainability is responsible for defining goals for the environmental, academic, and social strategies and oversee its implementation. Whereas the strategic planning workflow and the executive workflow is as demonstrated in the figures below.

Strategic planning workflow



Executive workflow



OFFICE STRATEGY

VISION

We envision a resilient facility and an inclusive community with sustainability as the main drive of the institution's governance.

We aim for an ongoing improvement in the wellness of our people and our impact on the environment, hence, positioning MUST university as a leading role model for sustainable practices nationally, regionally, and globally.

MISSION

Our mission is to re-direct the facility management policy to adopt long term sustainable approaches in MUST's operations, academics, administration, and community, to contribute to the global efforts of climate change mitigations through our leading graduates.



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OFFICE STRATEGY

STRATEGIC GOALS

01

Rooting sustainability mindset in MUST culture and community

02

Establish the MUST among the leading voices on sustainability research and education

03

Establish a sustainability governance system for the MUST

04

Joining the race of achieving net zero by 2050

05

Recognizing MUST campus as a green building from: LEED, Green Building Council or similar.

GOAL #01

ACTION PLAN

Rooting sustainability mindset in MUST culture and community

01 Increase community awareness regarding sustainability and encouraging community engagement

- Host lectures and events that raise awareness about sustainability for staff and students and campus outreach programs
- Host workshops that reflect on the interdisciplinarity of sustainability and its relation to each one
- Increase alumni outreach and engagement in sustainability practices
- Encourage on campus sustainability practices
- Publicly announce university carbon footprint, together with their ongoing means for minimizing it

02 Demonstrate university sectors commitment to sustainability

- Make sustainability a prominent part of university marketing
- Initiate sustainability public activities
- Initiate calls for action by other sectors for climate action
- Build partnerships and networks nationally, regionally and globally regarding sustainability in its three pillars (environmental, academic, social)
- Develop and apply sustainability policies in all university departments

GOAL #02

ACTION PLAN



01 Improvement of the academic program

- Integrating sustainability with existing curriculum
- Designing new course modules for sustainability development
- Develop new graduate and undergraduate environmentally specialized degree programs
- Enhance resources for existing academic programs to facilitate environmental studies

02 Improvement of the research program

- Encouraging research in sustainability topics
- Encourage interdisciplinarity of sustainability in their research
- Launch a center for sustainable research on campus
- Encourage engagement in global research communities that support sustainability

03 Enhancing the academic staff and student's capabilities in sustainability

- Provide students with the knowledge skills and motivation to understand and address sustainability
- Provide training on education for sustainability to all the academic staff
- Open channel of discussion and expressing ideas between students and university management related to sustainability
- Encourage sustainability student clubs
- Prepare graduates for the job market through executive education and vocational training of sustainability practices
- Develop exchange programs with leading universities in sustainability
- Showcase any sustainability efforts by members of must community

GOAL #03

ACTION PLAN



Establish a sustainability governance system for the university

01

Improvement of the office of sustainability

- Aligning the sustainability office strategy with the university's strategy
- Recruiting environmental specialists to oversee sustainable facility management
- Encouraging collaboration between different departments with the sustainability office to instill sustainability mindsets and enact sustainability practices

02

Sustainability management and operations

- Provide adequate training and awareness about the relation of sustainability and the area of the employee's practice
- Expanding all management functions to include sustainability practices in their fields
- Oversee alignment of university events and efforts with sustainability strategy
- Conduct a central coordination unit to discuss sustainability related issues on regular basis
- Conduct sustainability audits on yearly basis

GOAL #04

ACTION PLAN

Get the race to zero certificate by
“education race to zero
organization”

01

Building the
foundation

- Collect all required data
 - Carbon footprint calculation according to the organization's guideline
 - Carbon footprint report analysis to set reduction strategies
-

02

Sign up for
the certificate

- Set an operational strategy to a 5% reduction from baseline year (electricity & water, fuel, waste)
 - Set an operational strategy for a 50% reduction in scope 1 & 2 and a 30% reduction in scope 3 from baseline year by 2030
 - Set an operational strategy for the 20% reduction by 2050 to achieve net zero
 - Proceed with implementation of these strategies action plans
-

GOAL #05

ACTION PLAN

Recognizing MUST campus as a green building from: LEED, Green Building Council or similar

01

Decide which LEED certification to approach

- Review different LEED certificates
- Create a SWOT analysis for current situations
- Select the certificate with highest chance of achievement according to SWOT analysis
- Check eligibility by collecting the data and evidence needed to ensure meeting the minimum requirements

02

Develop LEED Scorecard

- Define project scope
- Align the project goals with LEED credits
- Conduct a gap analysis to identify the feasibility of achieving these goals
- Define tasks needed to fulfill the gaps or limitations to achieve these goals
- Define the target LEED certification level
- Acknowledge if there are any extra credits, beyond the goals that are set, to achieve it
- Ensure all prerequisites can be met

03

Submit for certification

- Develop action plan
- Perform quality assurance review
- Ensure it is complete and proofread



Misr University for Science and Technology Sustainability Office

Web: www.must.edu.eg

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